

QUALITY LAB ACCESSORIES

PRODUCT CATALOG



QLA

YOUR DISSOLUTION SPECIALISTS SINCE 1996



ABOUT US

Quality Lab Accessories, LLC, (QLA) is a leading manufacturer and supplier of Dissolution Accessories and Consumables, Calibration Tools and Services to Pharmaceutical Laboratories, worldwide. We pride ourselves on being the only company in our industry that not only has a dedicated sales force but also a fully staffed machine shop and modern manufacturing facility located in Telford, PA. Our products are engineered and manufactured in the USA according to the precise specifications of the U.S. Pharmacopeia and the Original Machine Manufacturer (OEM). QLA is the go-to company for custom fabrication. We solve unique lab problems with innovative designs and common sense solutions.

QLA operates a Quality Management System which complies with the requirements of the ISO 9001 current standard (certificate #FM595556).

In addition to our commitment to ISO, we are also fully committed to all applicable regulatory standards, including:

- ✔ U.S. Pharmacopeia General Chapters 701, 711, 724, 1092 and others
- ✔ ASTM E2503 Standard Practice for Qualification of Basket and Paddle Dissolution Apparatus
- ✔ Calibration tools and services are traceable to NIST standards

Our customers know that help from QLA is just a phone call or email away. We have a large inventory of items in stock and ready to ship within 24 hours. Throughout the world, our customers' needs have been met for over 25 years with unsurpassed customer service and the highest quality products available. QLA's main goal is to give our customers the ultimate Customer Experience in our industry!

OUR QUALITY POLICY

Quality Lab Accessories, LLC, is committed to exceeding our customers' expectations through unparalleled customer service, continual quality improvement, equitable pricing and on-time delivery.

Quality Lab Accessories, LLC, will strive to add customer value by continually reaching for excellence in all facets of our company's operation through ongoing reviews of current methods in order to improve our processes and products.

QLA is ISO 9001 registered.
Certificate #FM595556.



! MANUFACTURER (OEM) REFERENCES

Equivalent manufacturer product part numbers appear as the OEM Ref in the product listings. When "QLA" appears as the OEM Ref, it signifies that QLA innovated the product designed for use in that manufacturer's dissolution application or universal products which can be used in all dissolution applications. An OEM Ref located within a product listing that is not attributed to a specific manufacturer will have the relevant manufacturer's initial icon adjacent to it.

Information including QLA part numbers, descriptions, OEM part numbers, specifications and photographs in this publication are subject to change without notice.

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BASKETS

APPARATUS 1

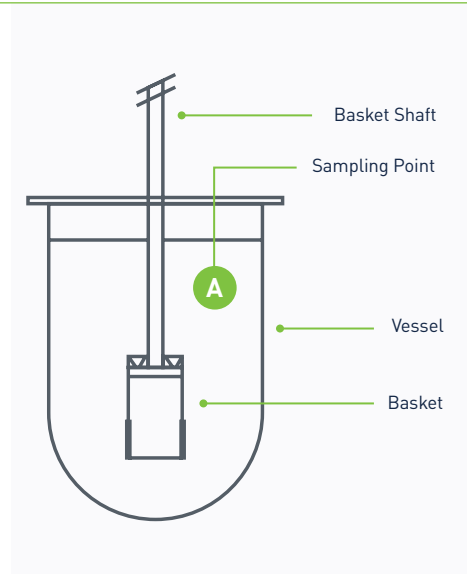
THE BASKET METHOD

Adopted in 1970, the rotating basket method of dissolution testing was the first official method. It essentially consists of an approximately 1 inch (25.4mm) × 1 3/8 inch (34.925mm) stainless steel, 40 mesh wire basket rotated at a constant speed between 25 and 150rpm. This method is now called Apparatus 1 (or Method 1).

The apparatus consists of a metallic drive shaft connected to the cylindrical basket. The basket is positioned inside a vessel made of glass or other inert, transparent material (see page 42). The vessel contents are kept at a constant temperature by being placed inside a water bath or heating jacket. The solution in the vessel is stirred smoothly by the rotating basket.

The USP Method 1 requires a 40 mesh screen unless otherwise specified in the monograph. Other meshes can be used to solve individual problems.

Baskets and basket shafts should be serialized where possible and the serial number noted for each test. All baskets are supplied with a Certificate of Conformance (COC) stating that they are USP compliant, where applicable, and that they meet the machine manufacturer specifications. A Certificate of Analysis (COA) is available at an additional cost.

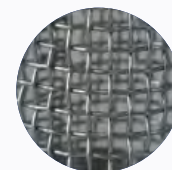


KEY CONSIDERATIONS

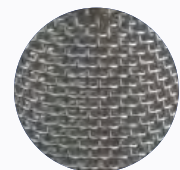
Mesh Openings — One of the biggest problems associated with the basket method involves the clogging of the mesh openings by particles or excipients or the random release of particles through the mesh to the bottom of the vessel. Baskets with a wide variety of mesh openings are available and if the disaggregated particle size is consistent, a variation of mesh size may solve some difficult dissolution problems.

Sintered Mesh — Every QLA stainless steel basket that conforms to USP is manufactured using a sintered mesh. Sintering is a strengthening process that compresses and heats the mesh under high pressures and temperatures. This results in welded joints at all the wire overlaps and adds considerable strength and longevity to the basket.

Suppository Baskets — Made from plastic, these baskets have vertical slots instead of mesh to facilitate dissolution. Blocking and/or clogging of the mesh opening is prevented by the use of such a basket, particularly when oil-based suppositories are used.



10 Mesh



20 Mesh



40 Mesh



Suppository Baskets

Note: Other mesh sizes are available on request. For more information, contact your QLA Sales Rep.

CARE & MAINTENANCE

Basket Handling — Since dissolution basket mesh is easily deformed, baskets should only be handled by the upper rim. QLA offers a special tool for installation and removal of baskets from the basket shaft (see page 13).

Basket Cleaning — Care should be exercised to ensure that baskets are clean prior to use. Often the dosage form can clog the mesh which will prevent free media movement into the basket. Careful cleaning is required to ensure there is no contamination between tests.

Basket Storage — Baskets should be stored correctly to extend their life. They can frequently be found rolling around in a lab drawer! Baskets can easily be stored in the supplier's case or using a specially designed basket holder (see page 13).

Note: All baskets are laser-marked with a unique serial number and come with COC (where applicable).



AGILENT COMPATIBLE

(Includes legacy VanKel)

**BSK005-01**5 Mesh Basket,
Clip Style, 316
SS, Serialized
(MOQ 6 pcs)**QLA**

OEM Ref

**BSK010-01**10 Mesh Basket,
Clip Style, 316
SS, Serialized**12-2125**

OEM Ref

**BSK020-01**20 Mesh Basket,
Clip Style, 316
SS, Serialized**12-2120**

OEM Ref

**BSK020-01B**20 Mesh Bolus
Basket, Clip
Style, 316 SS,
Serialized**12-2180**

OEM Ref

**BSK030-01**30 Mesh Basket,
Clip Style, 316
SS, Serialized**12-2160**

OEM Ref

**BSK040-01**40 Mesh (USP)
Basket, Clip
Style, 316 SS,
Serialized**12-2100**

OEM Ref

**BSK040-01B**40 Mesh Bolus
Basket, Clip
Style, 316 SS,
Serialized**12-2185**

OEM Ref

**BSK060-01**60 Mesh Basket,
Clip Style, 316
SS, Serialized**QLA**

OEM Ref

**BSK100-01**100 Mesh
Basket, Clip
Style, 316 SS,
Serialized**12-2154**

OEM Ref

**BSK150-01**150 Mesh
Basket, Clip
Style, 316 SS,
Serialized**12-2152**

OEM Ref

**HGTGAG-
BSK01**Height Check
Gauge for Clip
Style Baskets**12-7280**

OEM Ref

**CUSBSK-
20/100VK**100 Mesh Basket
with 20 Mesh
Stability Lining,
Clip Style, 316
SS, Serialized**QLA**

OEM Ref

**CUSBSK-
20/150VK**150 Mesh Basket
with 20 Mesh
Stability Lining,
Clip Style, 316
SS, Serialized**QLA**

OEM Ref

**CUSBSK-
20/200VK**200 Mesh Basket
with 20 Mesh
Stability Lining,
Clip Style, 316
SS, Serialized**QLA**

OEM Ref

**CUSBSK-
20/325VK**325 Mesh Basket
with 20 Mesh
Stability Lining,
Clip Style, 316
SS, Serialized**QLA**

OEM Ref

**CUSBSK-
20/400VK**400 Mesh Basket
with 20 Mesh
Stability Lining,
Clip Style, 316
SS, Serialized**QLA**

OEM Ref

**BSKPTV-40**40 Mesh (USP)
Basket, Clip
Style, PTFE
Coated over 316
SS, Serialized**12-2110**

OEM Ref

**BSKSUP-01**Suppository
Basket, Plastic**12-2130**

OEM Ref

CALEVA COMPATIBLE

BSK010-CA
10 Mesh Basket,
Clip Style, 316
SS, Serialized
0810123
OEM Ref



BSK020-CA
20 Mesh Basket,
Clip Style, 316
SS, Serialized
0810021
OEM Ref



BSK040-CA
40 Mesh (USP)
Basket, Clip
Style, 316 SS,
Serialized
0810019
OEM Ref



BSK140-CA
140 Mesh
Basket, Clip
Style, 316 SS,
Serialized
QLA
OEM Ref



BSKSUP-CA
Suppository
Basket, Plastic
QLA
OEM Ref

COPLEY COMPATIBLE

BSK010-COP
10 Mesh Basket,
Clip Style, 316
SS, Serialized
QLA
OEM Ref



BSK020-COP
20 Mesh Basket,
Clip Style, 316
SS, Serialized
QLA
OEM Ref



BSK040-COP
40 Mesh (USP)
Basket, Clip
Style, 316 SS,
Serialized
QLA
OEM Ref



BSKPTCOP-40
40 Mesh (USP)
Basket, Clip
Style, PTFE
Coated over 316
SS, Serialized
QLA
OEM Ref



BSKHUB-COP
Basket Adapter
Hub for Clip
Style Basket, 316
SS, Serialized
QLA
OEM Ref

200+ mesh APP 1 baskets or sinker baskets- the QLA Difference

Due to low structural strength, QLA baskets and basket sinkers with 200 mesh and greater are fitted with a 20 x 20 mesh stability lining. This will allow the QLA-manufactured baskets and basket sinkers to hold their shape and have a longer service life than 200+ mesh baskets and basket sinkers made by others. The reason behind the extra stability lining is to retain a uniform shape from basket to basket. Having a uniform shape between components results in more consistent dissolution profiles as any dent or wrinkle may impart extra hydrodynamic effects on the media. The 20 mesh stability liner does not restrict the openings in the 200+ mesh as it is only connected at the weld points on the rims. This unique design keeps the 20 mesh liner from blocking the holes of the mesh.

DISTEK COMPATIBLE


BSK010-DK
10 Mesh Basket,
Standard Push-
On Style, 316 SS,
Serialized
2821-0160
OEM Ref



BSK010-DKC
10 Mesh Basket,
Evolution
Style, 316 SS,
Serialized
2800-0041
OEM Ref



BSK020-DK
20 Mesh Basket,
Standard Push-
On Style, 316 SS,
Serialized
2821-0159
OEM Ref



BSK020-DKC
20 Mesh Basket,
Evolution
Style, 316 SS,
Serialized
2800-0042
OEM Ref



BSK030-DKC
30 Mesh Basket,
Evolution
Style, 316 SS,
Serialized
QLA
OEM Ref



BSK040-DK
40 Mesh (USP)
Basket, Standard
Push-On
Style, 316 SS,
Serialized
2821-0072
OEM Ref



BSK040-DKC
40 Mesh
(USP) Basket,
Evolution
Style, 316 SS,
Serialized
2800-0032
OEM Ref



BSK060-DKC
60 Mesh Basket,
Evolution
Style, 316 SS,
Serialized
QLA
OEM Ref



BSK080-DKC
80 Mesh Basket,
Evolution
Style, 316 SS,
Serialized
QLA
OEM Ref



BSK100-DK
100 Mesh
Basket, Standard
Push-On
Style, 316 SS,
Serialized
2800-0004
OEM Ref



BSK100-DKC
100 Mesh
Basket,
Evolution
Style, 316 SS,
Serialized
2800-0043
OEM Ref



BSK150-DKC
150 Mesh
Basket, Evolution
Style, 316 SS,
Serialized
2800-0044
OEM Ref



CUSBSK-20/100DK
100 Mesh Basket
with 20 Mesh
Stability Lining,
Standard Push-
On Style, 316 SS,
Serialized
QLA
OEM Ref



CUSBSK-20/100DKC
100 Mesh
Basket with 20
Mesh Stability
Lining, Evolution
Style, 316 SS,
Serialized
QLA
OEM Ref



CUSBSK-20/150DK
150 Mesh Basket
with 20 Mesh
Stability Lining,
Standard Push-
On Style, 316 SS,
Serialized
QLA
OEM Ref



CUSBSK-20/150DKC
150 Mesh
Basket with 20
Mesh Stability
Lining, Evolution
Style, 316 SS,
Serialized
QLA
OEM Ref



CUSBSK-20/200DKC
200 Mesh
Basket with 20
Mesh Stability
Lining, Evolution
Style, 316 SS,
Serialized
QLA
OEM Ref



BSKPTD-40
40 Mesh (USP)
Basket, Standard
Push-On Style,
PTFE Coated
over 316 SS,
Serialized
QLA
OEM Ref



BSKPTDKC-10
10 Mesh Basket,
Evolution Style,
PTFE Coated
over 316 SS,
Serialized
QLA
OEM Ref



BSKPTDKC-20
20 Mesh Basket,
Evolution Style,
PTFE Coated
over 316 SS,
Serialized
QLA
OEM Ref

**BSKPTDKC-40**

40 Mesh (USP)
Basket, Evolution
Style, PTFE
Coated over 316
SS, Serialized

2800-0032-T

OEM Ref

**BSKSUP-DK**

Suppository
Basket, Standard
Push-On Style,
Plastic

3250-0445

OEM Ref

**BSKSUP-DKC**

Suppository
Basket,
Evolution Style,
Plastic

QLA

OEM Ref

**BSKHUB-DK**

Basket Adapter
Hub for Standard
Push-On
Style, 316 SS,
Serialized

2821-1052

OEM Ref

**BSKHUB-DKC**

Basket Adapter
Hub for Evolution
Style, 316 SS,
Serialized

2821-0459

OEM Ref

**BSKCLP-DKC**

Basket Clip for
Evolution Style
Hub, 316 SS

3100-0017

OEM Ref

ELECTROLAB COMPATIBLE**BSK010-EL**

10 Mesh Basket,
Push-On
Style, 316 SS,
Serialized

**0103A00054,
0104A00054**

OEM Ref

**BSK020-EL**

20 Mesh Basket,
Push-On
Style, 316 SS,
Serialized

**0103A00055,
0104A00055**

OEM Ref

**BSK040-EL**

40 Mesh (USP)
Basket, Push-On
Style, 316 SS,
Serialized

**0103A00057,
0104A00057**

OEM Ref

**BSK100-EL**

100 Mesh
Basket, Push-On
Style, 316 SS,
Serialized

**0103A00060,
0104A00060**

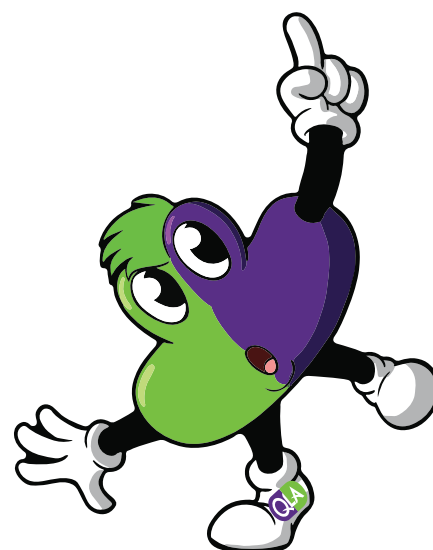
OEM Ref

**CUSBSK-
20/200EL**

200 Mesh Basket
with 20 Mesh
Stability Lining,
Push-On Style, 316
SS, Serialized

QLA

OEM Ref



**QLA is the Only
On-site Basket
Manufacturer
in the Industry**

All baskets are made
in our facility with a
focus on precision
and quality.

ERWEKA COMPATIBLE**BSK010-EW**

10 Mesh Basket,
Clip Style, 316
SS, Serialized

**90-000-6010,
18391**

OEM Ref

**BSK020-EW**

20 Mesh Basket,
Clip Style, 316
SS, Serialized

**90-000-6020,
18392**

OEM Ref

**BSK040-EW**

40 Mesh (USP)
Basket, Clip
Style, 316 SS,
Serialized

**90-000-6040,
18393**

OEM Ref

**BSK100-EW**

100 Mesh Basket,
Clip Style, 316
SS, Serialized

QLA

OEM Ref

**YOUR DISSOLUTION SPECIALISTS**

**BSK150-EW**

150 Mesh Basket,
Clip Style, 316
SS, Serialized

QLA
OEM Ref

**CUSBSK-20/100EW**

100 Mesh Basket
with 20 Mesh
Stability Lining,
Clip Style, 316
SS, Serialized

QLA
OEM Ref

**CUSBSK-20/150EW**

150 Mesh Basket
with 20 Mesh
Stability Lining,
Clip Style, 316
SS, Serialized

QLA
OEM Ref

**BSKPTEW-40**

40 Mesh (USP)
Basket, Clip
Style, PTFE
Coated over 316
SS, Serialized

QLA
OEM Ref

**BSKSUP-EW**

Suppository
Basket, Plastic

**70-000-5004,
18394**

OEM Ref

**BSKHUB-EW**

Basket Adapter
Hub for Old
Clip Style, 316
SS, Serialized
(External thread)

91-000-6001

OEM Ref

**BSKHUB-EWOR**

Basket Adapter
Hub with O-Ring
and Clip, 316
SS, Serialized
(Internal thread)

QLA
OEM Ref

**BSKHUB-EWOR**

Basket Adapter
Hub with O-Ring
and Clip, 316
SS, Serialized
(External thread)

QLA
OEM Ref

TELEDYNE HANSON COMPATIBLE**BSK010-HR**

10 Mesh Basket,
Clip Style, 316
SS, Serialized

65-220-010

OEM Ref

**BSK020-HR**

20 Mesh Basket,
Clip Style, 316
SS, Serialized

65-220-020

OEM Ref

**BSK040-HRP**

40-Mesh (USP)
Precision
Basket, Clip
Style, 316 SS,
Serialized

74-105-252

OEM Ref

**BSK100-HR**

100 Mesh Basket,
Clip Style, 316
SS, Serialized

95-590-153

OEM Ref

**BSK140-HR**

140 Mesh Basket,
Clip Style, 316
SS, Serialized

QLA
OEM Ref

**BSK150-HR**

150 Mesh
Basket, Clip
Style, 316 SS,
Serialized

QLA
OEM Ref

**CUSBSK-20/100HR**

100 Mesh Basket
with 20 Mesh
Stability Lining,
Clip Style, 316
SS, Serialized

QLA
OEM Ref

**CUSBSK-20/150HR**

150 Mesh Basket
with 20 Mesh
Stability Lining,
Clip Style, 316
SS, Serialized

QLA
OEM Ref

**CUSBSK-20/400HR**

400 Mesh Basket
with 20 Mesh
Stability Lining,
Clip Style, 316
SS, Serialized

QLA
OEM Ref

**BSKPTEW-40**

40 Mesh (USP)
Basket, PTFE
Coated over 316
SS, Serialized

QLA
OEM Ref

**BSKSUP-HR**

Suppository
Basket, Plastic

65-700-048

OEM Ref

LAB INDIA COMPATIBLE**BSK010-LI**

10 Mesh Basket,
Clip Style, 316 SS,
Serialized

QLA
OEM Ref

**BSK020-LI**

20 Mesh Basket,
Clip Style, 316 SS,
Serialized

QLA
OEM Ref

**BSK040-LI**

40 Mesh (USP)
Basket, Clip Style,
316 SS, Serialized

QLA
OEM Ref

LOGAN COMPATIBLE**BSK010-LG**

10 Mesh Basket,
Clip Style, 316
SS, Serialized

800-0155
OEM Ref

**BSK020-LG**

20 Mesh Basket,
Clip Style, 316
SS, Serialized

800-0157
OEM Ref

**BSK040-LG**

40 Mesh (USP)
Basket, Clip
Style, 316 SS,
Serialized

800-0154
OEM Ref

**BSK100-LG**

100 Mesh Basket,
Clip Style, 316
SS, Serialized

QLA
OEM Ref

PHARMATEST COMPATIBLE**BSK010-PT**

10 Mesh Basket,
Clip Style, 316
SS, Serialized

311-2804
OEM Ref

**BSK020-PT**

20 Mesh Basket,
Clip Style, 316
SS, Serialized

QLA
OEM Ref

**BSK040-PT**

40 Mesh (USP)
Basket, Clip
Style, 316 SS,
Serialized

311-2801
OEM Ref

**BSK100-PT**

100 Mesh Basket,
Clip Style, 316
SS, Serialized

QLA
OEM Ref

**CUSBSK-
20/100PT**

100 Mesh Basket
with 20 Mesh
Stability Lining,
Clip Style, 316
SS, Serialized

QLA
OEM Ref

**CUSBSK-
20/150PT**

150 Mesh Basket
with 20 Mesh
Stability Lining,
Clip Style, 316
SS, Serialized

QLA
OEM Ref

**BSKPTP-40**

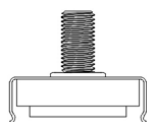
40 Mesh (USP)
Basket, Clip
Style, PTFE
Coated over 316
SS, Serialized

311-2809
OEM Ref

**BSKSUP-PT**

Suppository
Basket, Plastic

311-3000
OEM Ref

**BSKHUB-PT**

Basket Adapter
Hub for Old Clip
Style (Threaded),
316 SS,
Serialized

QLA
OEM Ref

**BSKHUB-PT2**

Basket Adapter
Hub for Clip
Style, 316 SS,
Serialized

QLA
OEM Ref

SOTAX COMPATIBLE


BSK010-ST
10 Mesh Basket,
Clip Style, 316
SS, Serialized

QLA
OEM Ref



BSK010-ST2
10 Mesh Basket,
Clip Style,
Rounded Rim
Sotax style, 316
SS, Serialized

15796-01
OEM Ref



BSK020-ST
20 Mesh Basket,
Clip Style, 316
SS, Serialized

QLA
OEM Ref



BSK020-ST2
20 Mesh Basket,
Clip Style,
Rounded Rim
Sotax style, 316
SS, Serialized

9353
OEM Ref



BSK040-ST
40 Mesh (USP)
Basket, Clip
Style, 316 SS,
Serialized

QLA
OEM Ref



BSK040-ST2
40 Mesh (USP)
Basket, Clip
Style, Rounded
Rim Sotax
style, 316 SS,
Serialized

2830
OEM Ref



BSK060-ST2
60 Mesh Basket,
Clip Style,
Rounded Rim
Sotax style, 316
SS, Serialized

QLA
OEM Ref



BSK080-ST
80 Mesh Basket,
Clip Style, 316
SS, Serialized

QLA
OEM Ref



BSK100-ST
100 Mesh Basket,
Clip Style, 316
SS, Serialized

QLA
OEM Ref



BSK100-ST2
100 Mesh
Basket, Clip
Style, Rounded
Rim Sotax
style, 316 SS,
Serialized

16723-01
OEM Ref



BSK140-ST
140 Mesh
Basket, Clip
Style, 316 SS,
Serialized

QLA
OEM Ref



BSK150-ST2
150 Mesh Basket,
Clip Style,
Rounded Rim
Sotax style, 316
SS, Serialized

16724-01
OEM Ref



**CUSBSK-
20/100ST**
100 Mesh Basket
with 20 Mesh
Stability Lining,
Clip Style, 316
SS, Serialized

QLA
OEM Ref



**CUSBSK-
20/150ST**
150 Mesh Basket
with 20 Mesh
Stability Lining,
Clip Style, 316
SS, Serialized

QLA
OEM Ref



BSKPTST-40
40 Mesh (USP)
Basket, Clip
Style, PTFE
Coated over 316
SS, Serialized

QLA
OEM Ref



BSKSUP-ST
Suppository
Basket, Plastic

QLA
OEM Ref



BSKHUB-ST
Basket Adapter
Hub for Clip Style
(Threaded), 316
SS, Serialized

5301
OEM Ref

METFORMIN SAMPLE HOLDERS

OEM Key **A** Agilent



VERTHLD-500
Vertical Sample
Holder for Metformin
500mg, 316 SS

12-2170 A
OEM Ref



VERTHLD-750-1K
Vertical Sample
Holder for Metformin
750mg or 1000mg,
316 SS

12-2165 A
OEM Ref

OVERSIZED 24.5MM ID BASKETS AND BASKET SHAFTS FOR DABIGATRAN ETEXILATE MESYLATE

Dabigatran Etexilate Mesylate (DEM) requires the use of a special wider basket for dissolution testing.

The basket is wider than the standard USP basket so it will not fit onto a standard basket hub/shaft. Therefore, a special basket hub/shaft must be used.



CUSTBSK-10
10 Mesh Basket,
Clip Style,
24.5mm ID, 316
SS, Serialized

QLA
OEM Ref



CUSTBSK-20
20 Mesh Basket,
Clip Style,
24.5mm ID, 316
SS, Serialized

QLA
OEM Ref



CUSTBSK-40
40 Mesh (USP)
Basket, Clip
Style, 24.5mm
ID, 316 SS,
Serialized

QLA
OEM Ref



CLIPHUB-DK
Detachable
Basket Hub
for 24.5mm
Basket, 316 SS,
Serialized (Distek
compatible)

QLA
OEM Ref



**BSKHUB-
EWOS**
Basket Adapter
Hub for 24.5mm
ID Basket, 316
SS, Serialized
(Old Style Erweka
Hub compatible
with external
thread)

QLA
OEM Ref



**BSKHUB-
STOS**
Basket Adapter
Hub (threaded)
for 24.5mm ID
Basket, 316 SS,
Serialized (Sotax
compatible)

QLA
OEM Ref



CUSTSHT-21
21" (535mm)
Basket Shaft
for 24.5mm
Basket, 316 SS,
Serialized

QLA
OEM Ref



CUSTSHT-24
24" (610mm)
Basket Shaft
for 24.5mm
Basket, 316 SS,
Serialized

QLA
OEM Ref



CUSTSHT-DK
16.5" (420mm)
Basket Shaft
for 24.5mm
Basket, 316 SS,
Serialized (Distek
2100 compatible)

QLA
OEM Ref



**CUSTSHT-
EW20**
20" (508mm)
Basket Shaft
for 24.5mm
Basket, 316
SS, Serialized
(Erweka
compatible)

QLA
OEM Ref



CUSTSHT-HR
16" (405mm)
Basket Shaft
for 24.5mm
Basket, 316
SS, Serialized
(Hanson SR8-
Plus compatible)

QLA
OEM Ref



CUSTSHT-HRV
SPIN ON/OFF
Basket Shaft
for 24.5mm
Basket, 316
SS, Serialized
(Hanson Vision
compatible)

QLA
OEM Ref



CUSTSHT-ST
10.4" (264mm)
Basket Shaft
with 10mm OD
for 24.5mm
Basket, 316
SS, Serialized
(Sotax
compatible)

QLA
OEM Ref



**CUSTSHT-
VK13**
14.5" (370mm)
Basket Shaft
for 24.5mm
Basket, 316
SS, Serialized
(V-Series
compatible)

QLA
OEM Ref



**CUSTSHT-
VK15**
15" (380mm)
Basket Shaft
for 24.5mm
Basket, 316
SS, Serialized
(Legacy VanKel
compatible)

QLA
OEM Ref



**CUSTSHT-
VK19**
19" (480mm)
Basket Shaft
for 24.5mm
Basket, 316
SS, Serialized

QLA
OEM Ref



**SPNSBK-
OICUST**
Spin ON/OFF
Basket Shaft for
24.5mm Basket,
316 SS, Serialized,
(Agilent/
Legacy VanKel
compatible)

QLA
OEM Ref

Basket Storage

QLA's Basket Holders provide a convenient way to organize and store baskets when not in use. The chances of accidentally damaging baskets can be significantly reduced with the use of a good quality basket holder.

Key Benefits:

- Compatible with all popular basket types
- To ensure your tests meet USP requirements, it is essential that all baskets are not bent or deformed
- O-rings ensure baskets are held firmly to the holder
- Clear case with lid now available for BSKHLD-12 only
- Low-cost — it pays for itself by preventing damage to just one basket!



— **BSKHLD-6**
6 Position Basket Holder



— **BSKHLD-12**
12 Position Basket Holder



— **BSKHLD-12CASE**
Clear Acrylic Case with Lid for BSKHLD-12

Basket Insertion and Removal Tool

QLA's Basket Tool provides a firm grip on baskets without damage to the basket during insertion and removal from shafts. The tool grabs the lower rim and protects the delicate wire mesh for an easy fit of the basket onto the shaft.

Key Benefits:

- Can be used with any standard size dissolution basket
- Decreases contamination from hands
- Basket damage can result in excessive basket wobble and mechanical calibration failure
- Simple but effective design
- Can significantly increase the life of baskets and quickly pay for itself

Part No.	Description	OEM Ref
BSKTOOL	Basket Insertion/Removal Tool	QLA
BSKTOOL-DK	Basket Insertion/Removal Tool for Thick Rim (DK) Basket	QLA
BSKTOOL-OS	Basket Insertion/Removal Tool for Oversized 24.5mm ID Basket	QLA



STATIONARY BASKETS

FELODIPINE BASKETS

Can be used on most dissolution testers. Special cover may be required.

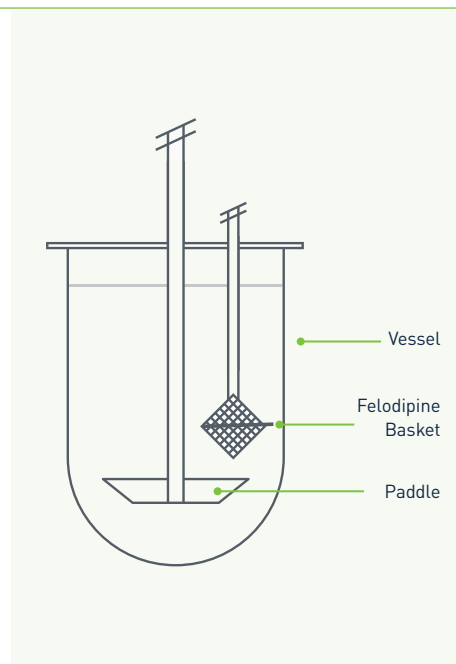
The USP Monograph for Felodipine Extended-Release Tablets specifies the use of a quadrangular stationary basket. The QLA Stationary Basket fully complies with the USP Monograph.

The QLA Felodipine Basket is made from precision-welded 316 stainless steel mesh and the basket is securely fixed to the shaft and will not easily bend or break off. The basket also features a small flap to prevent the tablet from escaping during testing. The flap is fabricated so that it will not fall off or be lost during use.

USP 26 requires the use of a basket suspended a precise distance from the paddle shaft, which in turn requires the use of a modified vessel cover.

Key Considerations:

- The Felodipine Basket method offers a potential solution to problems associated with floating, sticking and swelling dosage forms.
- While the use of sinkers may solve similar problems, their final position in the dissolution vessel may vary, thus contributing to variations in test results — these variations can be eliminated by using the stationary basket.
- Suitability for certain applications must be verified.



For Sotax Baths, a special mounting kit is required for AT7 & Xtend Baths when using the Felodipine Quadrangular Basket and the Float-A-Lyzer® Holder for APP 2 (Page 94).

Standard Stationary Baskets (Hanger with Basket) cannot be used with the parts below.



STABSK-VK8

Felodipine Quadrangular Basket, 8 Mesh, 316 SS, Serialized

QLA

OEM Ref

STAMNTKIT-ST

Felodipine & Float-A-Lyzer® Holder Mounting Kit for Sotax AT7 Baths includes (6) STAMNT-ST, (1) STAGAUGE, (1) STAGUIDE with 950-05-62 Drill Bit and Installation Manual

QLA

OEM Ref

STAMNTKIT-STX

Felodipine & Float-A-Lyzer® Holder Mounting Kit for Sotax Xtend Baths includes (6) STAMNT-ST, (1) STAGAUGE, (1) STAGUIDE-STX with 950-05-62 Drill Bit and Installation Manual

QLA

OEM Ref

**STAGAUGE**

Felodipine & Float-A-Lyzer®
Holder Height Gauge for
Sotax AT7 & Xtend Baths

QLA

OEM Ref

**STAGUIDE**

Felodipine & Float-A-Lyzer®
Holder Drill Guide includes Drill
Bit (950-05-062) for Sotax AT7
Baths

QLA

OEM Ref

**STAGUIDE-STX**

Felodipine & Float-A-Lyzer®
Holder Drill Guide includes
Drill Bit (950-05-062) for
Sotax Xtend Baths

QLA

OEM Ref

**STAMNT-ST**

Felodipine & Float-A-Lyzer®
Holder Mount for Sotax AT7 &
Xtend Baths

QLA

OEM Ref

STATIONARY BASKETS

Can be used on most dissolution testers. Special cover may be required.

OEM Key **A** Agilent**STABSK-10**

Stationary Basket Assembly
with Basket Shaft and
10 Mesh Basket, 316 SS,
Serialized

12-2061 **A**

OEM Ref

**STABSK-20**

Stationary Basket Assembly
with Basket Shaft and 20 Mesh
Basket, 316 SS, Serialized

12-2060 **A**

OEM Ref

**STABSK-40**

Stationary Basket Assembly
with Basket Shaft and
40 Mesh Basket, 316 SS,
Serialized

12-2063 **A**

OEM Ref

BASKET SHAFTS

APPARATUS 1

THE BASKET SHAFT

The basket shaft is the metallic drive shaft in Apparatus 1 which is connected to the cylindrical basket. See page 4 for more information on Apparatus 1. All shafts are constructed from type 316 electropolished stainless steel.

KEY CONSIDERATIONS

Clip or Clipless?

Spring Clips — The USP standard dissolution basket is designed to attach to the basket shaft using spring clips. Over time, these clips can lose strength and fail to grip the basket securely. Baskets that are not gripped securely are likely to exhibit excessive wobble. Only QLA clips are made from special spring-tempered 316 stainless steel. Competitors' clips are made from annealed 316 stainless steel. Spring-tempered 316 stainless steel clips will maintain their gripping strength much longer than annealed 316 stainless steel clips.

O-Ring — The clipless basket fastens to the shaft using an O-ring instead of clips. While it can be argued that this design reduces wobble and is easier to use, the USP still specifies the use of clips and proof of equivalence may be required if a clipless alternative is to be used.



Spring Clip Style



O-Ring Style

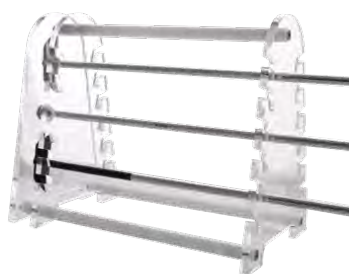
Q03026

Note: All basket shafts are laser-marked with a unique serial number and come with COC.

CARE & MAINTENANCE

Shaft Storage — Bent or scratched shafts fail to comply with USP regulations so it is essential not to store shafts on a desk or loose in a drawer where damage or corrosion can occur. Proper storage in a basket shaft/paddle holder can prevent damage from occurring. See page 24 for Basket Shaft/Paddle Holders.

Wobble — A Wobble Meter (WOBMET-MI) is available to monitor basket shaft wobble. See page 111 for Wobble Meter.



Basket Shaft/Paddle Holder



Wobble Meter

AGILENT COMPATIBLE

(Includes legacy VanKel)



BSKSHT-13

14.5" (370mm)
Basket Shaft for
V-Series, Spring
Clip Style, 316
SS, Serialized

13-3615

OEM Ref



BSKSHT-15

15" (380mm)
Basket Shaft,
Spring Clip
Style, 316 SS,
Serialized

12-2070

OEM Ref



BSKSHT-15C

15" (380mm)
Conical Basket
Shaft, Spring
Clip Style, 316
SS, Serialized

12-2075

OEM Ref



BSKSHT-15CO

15" (380mm)
Conical Basket
Shaft, Push-On
Style, 316 SS,
Serialized

12-2050

OEM Ref



YOUR DISSOLUTION SPECIALISTS

**BSKSHT-19**

19" (480mm)
Basket Shaft,
Spring Clip
Style, 316 SS,
Serialized

12-2080

OEM Ref

**BSKSHT-19C**

19" (480mm)
Conical Basket
Shaft, Spring
Clip Style, 316
SS, Serialized

12-2081

OEM Ref

**BSKSHT-19CO**

19" (480mm)
Conical Basket
Shaft, Push-On
Style, 316 SS,
Serialized

12-2056

OEM Ref

**BSKSHT-21**

21" (535mm)
Basket Shaft,
Spring Clip
Style, 316 SS,
Serialized

13-3620, 14-3620

OEM Ref

**BSKSHT-21C**

21" (535mm)
Conical Basket
Shaft, Spring Clip
Style, 316 SS,
Serialized

14-3624

OEM Ref

**BSKSHT-24**

24" (610mm)
Basket Shaft,
Spring Clip
Style, 316 SS,
Serialized

13-3629

OEM Ref

**BSKSHT-24C**

24" (610mm)
Conical Basket
Shaft, Spring
Clip Style, 316
SS, Serialized

QLA

OEM Ref

COPLEY**COMPATIBLE****BSKHUB-COP**

Basket Adapter
Hub for Clip
Style, 316 SS,
Serialized

QLA

OEM Ref

DISTEK**COMPATIBLE****BSDRNG-16**

16.5" (420mm)
Basket Shaft,
Standard Push-
On Style, 316 SS,
Serialized

2821-0074

OEM Ref

**BSDRNG-19**

19" (480mm)
Basket Shaft,
Standard Push-
On Style, 316 SS,
Serialized

2821-0097

OEM Ref

**BSDRNG-TEF16**

16" (405mm)
Basket Shaft,
Standard Push-
On Style, PTFE
Coated over 316
SS, Serialized

QLA

OEM Ref

**BSKSHT-16.5**

16.5" (420mm)
Basket Shaft,
Spring Clip
Style, 316 SS,
Serialized

QLA

OEM Ref

**BSKSHT-21**

21" (535mm)
Basket Shaft,
Spring Clip
Style, 316 SS,
Serialized

QLA

OEM Ref

**BSKSHT-21C**

21" (535mm)
Conical Basket
Shaft, Spring
Clip Style, 316
SS, Serialized

QLA

OEM Ref

**BSKHUB-DK**

Basket Adapter
Hub for Standard
Push-On
Style, 316 SS,
Serialized

2821-1052

OEM Ref

**BSKHUB-DKC**

Basket Adapter
Hub for Evolution
Style, 316 SS,
Serialized

2821-0459

OEM Ref

**BSKCLP-DKC**

Basket Clip for
Evolution Style,
316 SS

3100-0017

OEM Ref

**SHFT16.5-DK**

16.5" (420mm)
Detachable
Threaded
Shaft, 316 SS,
Serialized

2800-0165

OEM Ref

**SHFT16.5-NPD**

16.5" (420mm)
Detachable
Threaded Shaft,
PTFE Coated
over 316 SS,
Serialized

2800-0165-T

OEM Ref

**SHFT21-DK**

21" (535mm)
Detachable
Threaded
Shaft, 316 SS,
Serialized

2800-0275

OEM Ref

**SHFT21-NPD**

21" (535mm)
Detachable
Threaded Shaft,
PTFE Coated
over 316 SS,
Serialized

2800-0275-T

OEM Ref

**ORING-DK**

Red Silicone
O-Ring for
Distek Basket
Hubs (Pack/12)

5570-8007

OEM Ref

**ORING-SHFT**

Black Viton
O-Ring for Distek
detachable
shafts (Pack/12)

5570-8044

OEM Ref

ERWEKA COMPATIBLE**BSKSEW-15**

15" (380mm)
Basket Shaft
with 10mm
OD, Spring Clip
Style, 316 SS,
Serialized

QLA

OEM Ref

**BSKSEW-19**

19" (480mm)
Basket Shaft
with 10mm
OD, Spring Clip
Style, 316 SS,
Serialized

QLA

OEM Ref

**BSKHUB-EW**

Basket Adapter
Hub for Old
Clip Style, 316
SS, Serialized
(External thread)

91-000-6001

OEM Ref

**BSKSHT-EL**

10.7" (271mm)
Basket Shaft
with 10mm OD,
O-Ring/Push-On
Style, 316 SS,
Serialized (use w/
Model EDT08LX)

QLA

OEM Ref

**BSKHUB-EWOR**

Basket Adapter
Hub with O-Ring
and Clip, 316
SS, Serialized
(Internal thread)

QLA

OEM Ref

**BSKHUB-EWOR1**

Basket Adapter
Hub with O-Ring
and Clip, 316
SS, Serialized
(External thread)

QLA

OEM Ref

**SHFT12-EW**

11.81" (300mm)
Detachable
Shaft with 10mm
OD, 316 SS,
Serialized

QLA

OEM Ref

TELEDYNE HANSON COMPATIBLE

SR8-PLUS

**BSKSHT-16**

16" (405mm) Basket
Shaft, Spring Clip
Style, 316 SS,
Serialized

65-237-000

OEM Ref

**BSKSHT-21HR**

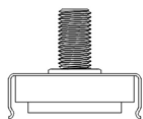
21" (535mm) Basket
Shaft for 2L, Spring
Clip Style, 316 SS,
Serialized

65-260-000

OEM Ref

Vision and CD14

Note: Hanson Vision and
CD14 2-piece Shafts can
be found in SPIN SHAFT
section, page 28

PHARMATEST COMPATIBLE**BSKHUB-PT**

Basket Adapter Hub for Old Clip Style (Threaded), 316 SS, Serialized

QLA

OEM Ref

**BSKHUB-PT2**

Basket Adapter Hub for Clip Style, 316 SS, Serialized

QLA

OEM Ref

**SHFT12-PT**

12.75" (324mm) Detachable Threaded Shaft with 10mm OD, 316 SS, Serialized

QLA

OEM Ref

**SHFT14-PT**

14" (355mm) Detachable Threaded Shaft with 10mm OD, 316 SS, Serialized

316-0116

OEM Ref

**SHFT17-PT**

16.97" (431mm) Detachable Threaded Shaft with 10mm OD, 316 SS, Serialized

QLA

OEM Ref

SOTAX COMPATIBLE**BSKSHT-ST**

10.4" (264mm) Basket Shaft with 10mm OD, Spring Clip Style, 316 SS, Serialized

7558

OEM Ref

**BSKHUB-ST**

Basket Adapter Hub for Clip Style (Threaded), 316 SS, Serialized

5301

OEM Ref



QLA's Laser Marking Capabilities are Endless!

.....

Please contact us for any custom identification needs you may have.

PADDLES

APPARATUS 2

THE PADDLE METHOD

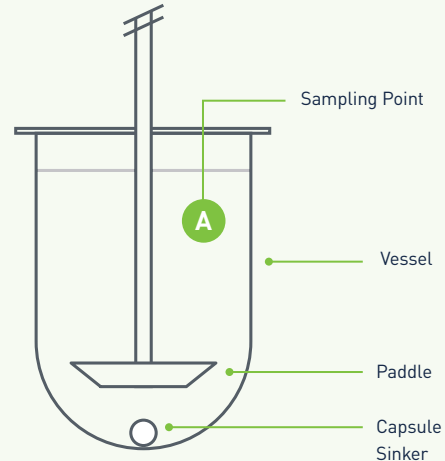
Apparatus 2, commonly known as the paddle method, has similar physical specifications to those of Apparatus 1 with a paddle substituted for the rotating basket.

Some of the dimensions and tolerances for the paddle are critical if consistent results are to be obtained from vessel to vessel.

The USP specifies that the paddle must rotate smoothly without significant wobble. The arc of the paddle blade creates considerable flow and any wobble will have an exaggerated effect on the flow profile.

The contours of the paddle blade must not include any sharp edges — at the tips for instance — that could produce turbulent instead of laminar flow patterns.

All QLA paddles are certified U.S. Pharmacopeia compliant where applicable and meet machine manufacturer specifications.



KEY CONSIDERATIONS

Types of Paddles:

Electropolished 316 Stainless Steel — The 316 stainless steel (316 SS) shaft is strong and has a high resistance to bending. It is electropolished for removal of surface impurities and corrosion resistance.

PTFE Coated — The USP suggests that paddles may be coated with an inert coating. Most paddles are accordingly coated with PTFE or another inert coating. If peeling or flaking of the coating is observed then the paddles should be replaced.

Solid Fluoropolymer — The single piece molded design features a fluoropolymer blade and single piece stem molded onto an electropolished 316 SS shaft.

This innovative design features no paddle-to-shaft joint, thus eliminating potential cross-contamination and removing a probable corrosion path. Wobble is also considerably reduced in the solid fluoropolymer paddle because it is a single piece cast.

CARE & MAINTENANCE

Shaft Storage — Bent or scratched shafts fail to comply with USP regulations so it is essential not to store shafts on a desk or loose in a drawer where damage or corrosion can occur. Proper storage in a basket shaft/paddle holder can prevent damage from occurring. See page 24 for Basket Shaft/Paddle Holders.

Wobble — A Wobble Meter (WOBMET-MI) is available to monitor paddle wobble. See page 111 for Wobble Meter

Q03026

Note: All paddles are laser-marked with a unique serial number and come with COC.

Wobble
Meter



**Polished Stainless Steel
Paddle**
(EPD Series)



PTFE Coated Paddle
(NPD Series)



Solid Fluoropolymer Paddle
(TPD Series)

AGILENT COMPATIBLE

(Includes legacy VanKel)

**EPD013-01**

14.5" (370mm)
Paddle for
V-Series,
Electropolished
316 SS,
Serialized

12-1035; 13-3590; 14-3590

OEM Ref

**EPD015-01**

15" (380mm)
Paddle,
Electropolished
316 SS,
Serialized

12-1030

OEM Ref

**EPD019-01**

19" (480mm)
Paddle,
Electropolished
316 SS,
Serialized

12-1040

OEM Ref

**EPD021-01**

21" (535mm)
Paddle,
Electropolished
316 SS,
Serialized

13-3595; 14-3595

OEM Ref

**EPD024-01**

24" (610mm)
Paddle,
Electropolished
316 SS,
Serialized

13-3597; 14-3597

OEM Ref

**NPD013-01**

14.5" (370mm)
Paddle for
V-Series, PTFE
Coated over 316
SS, Serialized

13-3589

OEM Ref

**NPD015-01**

15" (380mm)
Paddle, PTFE
Coated over 316
SS, Serialized

12-1000

OEM Ref

**NPD019-01**

19" (480mm)
Paddle, PTFE
Coated over 316
SS, Serialized

12-1010

OEM Ref

**NPD021-01**

21" (535mm)
Paddle, PTFE
Coated over 316
SS, Serialized

13-3594; 14-3594

OEM Ref

**NPD024-01**

24" (610mm)
Paddle, PTFE
Coated over 316
SS, Serialized

13-3596

OEM Ref

**TPD013-01**

14.5" (370mm)
Paddle for
V-Series,
Solid Molded
Fluoropolymer,
One Piece
Design,
Serialized

QLA

OEM Ref

**TPD015-01**

15" (380mm)
Paddle,
Solid Molded
Fluoropolymer,
One Piece
Design,
Serialized

QLA

OEM Ref

**TPD019-01**

19" (480mm)
Paddle,
Solid Molded
Fluoropolymer,
One Piece
Design,
Serialized

QLA

OEM Ref

**TPD021-01**

21" (535mm)
Paddle,
Solid Molded
Fluoropolymer,
One Piece
Design,
Serialized

QLA

OEM Ref

COPLEY COMPATIBLE**PDLBLD-COP2**

Paddle Blade, Non-
Welded New Design,
Electropolished 316
SS, Serialized

QLA

OEM Ref

DISTEK COMPATIBLE**EPD016-02**

16.5" (420mm)
Paddle,
Electropolished
316 SS,
Serialized

2800-0239;
2800-0500

OEM Ref

**EPD021-01**

21" (535mm)
Paddle,
Electropolished
316 SS,
Serialized

QLA

OEM Ref

**NPD016-02**

16.5" (420mm)
Paddle, PTFE
Coated over 316
SS, Serialized

2821-0171

OEM Ref

**NPD021-01**

21" (535mm)
Paddle, PTFE
Coated over 316
SS, Serialized

QLA

OEM Ref

**TPD016-02**

16.5" (420mm)
Paddle,
Solid Molded
Fluoropolymer,
One Piece
Design,
Serialized

QLA

OEM Ref

**TPD021-01**

21" (535mm)
Paddle,
Solid Molded
Fluoropolymer,
One Piece
Design,
Serialized

QLA

OEM Ref

**SHFT16.5-DK**

16.5" (420mm)
Detachable
Threaded
Shaft, 316 SS,
Serialized

2800-0165

OEM Ref

**SHFT16.5-NPD**

16.5" (420mm)
Detachable
Threaded Shaft,
PTFE Coated
over 316 SS,
Serialized

2800-0165-T

OEM Ref

**SHFT21-DK**

21" (535mm)
Detachable
Threaded
Shaft, 316 SS,
Serialized

2800-0275

OEM Ref

**SHFT21-NPD**

21" (535mm)
Detachable
Threaded Shaft,
PTFE Coated
over 316 SS,
Serialized

2800-0275-T

OEM Ref

**ORING-SHFT**

Black Viton
O-Ring for Distek
detachable
shafts (Pack/12)

5570-8044

OEM Ref

**PDLBLD-DK**

Paddle Blade,
Electropolished
316 SS,
Serialized

3251-1050

OEM Ref

**PDLBLD-NPD**

Paddle Blade,
PTFE Coated
over 316 SS,
Serialized

3251-1050-T

OEM Ref

ERWEKA COMPATIBLE**PDLBLD-EW**

Paddle Blade, 10mm
OD, Electropolished
316 SS, Serialized

QLA

OEM Ref

**SHFT12-EW**

11.81" (300mm)
Detachable 10mm OD
Shaft for Erweka, 316
SS, Serialized

QLA

OEM Ref

ELECTROLAB COMPATIBLE**EPD012-EL**

12" (305mm) Paddle with
10mm OD, Electropolished
316 SS, Serialized (use w/
Model EDT08LX)

QLA

OEM Ref

TELEDYNE HANSON COMPATIBLE

SR8-PLUS



EPD016-01
16" (405mm)
Paddle,
Electropolished
316 SS,
Serialized
65-700-036
OEM Ref



NPD016-01
16" (405mm)
Paddle, PTFE
Coated over 316
SS, Serialized
65-700-030
OEM Ref



TPD016-01
16" (405mm)
Paddle,
Solid Molded
Fluoropolymer,
One Piece
Design,
Serialized
72-800-456
OEM Ref



TPD018-01
18" (460mm)
Paddle,
Solid Molded
Fluoropolymer,
One Piece
Design,
Serialized
72-800-461
OEM Ref

LOGAN COMPATIBLE



PDLBLD-LG
Paddle Blade
with extension,
Electropolished 316
SS, Serialized (40mm
total height, 8-32
thread)
QLA
OEM Ref



PDLBLD-LGI
Paddle Blade,
Electropolished 316
SS, Serialized (19mm
total height-no
extension, 8-32 thread)
800-0059
OEM Ref



PDLBLD-LGNPD
Paddle Blade with
extension, PTFE
Coated over 316 SS,
Serialized (40mm total
height, 8-32 thread)
QLA
OEM Ref

PHARMATEST COMPATIBLE



EPD017-PT
17.87" (453mm)
Paddle with 10mm OD,
Electropolished 316
SS, Serialized
QLA
OEM Ref



PDLBLD-PT
Solid Fluoropolymer
Paddle Blade with SS
Threaded Insert
QLA
OEM Ref



PDLBLD-SHZ
Paddle Blade,
Electropolished 316
SS, Serialized (MOQ
6 pcs)
QLA
OEM Ref

SOTAX COMPATIBLE



EPD012-ST
11.85" (300mm)
Paddle with
10mm OD,
Electropolished
316 SS,
Serialized
7525
OEM Ref



NPD012-ST
11.85" (300mm)
Paddle with
10mm OD, PTFE
Coated over 316
SS, Serialized
7525-2
OEM Ref



TPD012-ST
11.85" (300mm)
Paddle with 10mm
OD, Solid Molded
Fluoropolymer,
One Piece Design,
Serialized
QLA
OEM Ref



PDLBLD-STSO
Paddle Blade with
sample opening,
Electropolished
316 SS, Serialized
2985-2
OEM Ref

Vision and CD14

Note: Hanson Vision and CD14 2-piece Shafts can be found in SPIN SHAFT section, page 28

BIPHASIC PADDLES

Dissolution testing of poorly soluble drugs has been challenging due to the volume limitations of standard dissolution equipment which often resulted in non-sink conditions. Biphasic dissolution was introduced as an attractive methodology to maintain sink conditions and assist the formulation development of poorly soluble drugs. Biphasic dissolution consists of a standard dissolution shaft and paddle with a second paddle added to the shaft that is adjustable in height from the vessel base. The lower paddle is designed to agitate the aqueous layer of the media and the upper paddle is designed to agitate the organic layer of the media.



PDLBLD-BI

Biphasic Paddle
with 2 set screws for
3/8"OD shaft, 316 SS

QLA

OEM Ref



PDLBLD-BI10

Biphasic Paddle
with 2 set screws
for 10mm OD shaft,
316 SS

QLA

OEM Ref

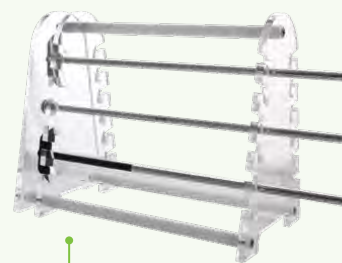
Basket Shaft/Paddle Holders

Ideal for both basket shaft and paddle storage.

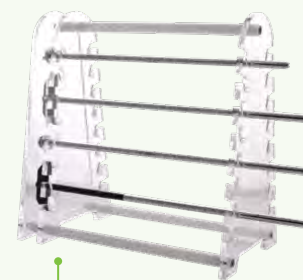
Key Benefits:

- Prevents shafts/paddles from becoming bent or scratched
- Allows quick and easy transport of many shafts/paddles
- Handy end plate to stop shafts/paddles from sliding out when carrying
- Holds most lengths and types of basket shafts and paddles
- Non-corrosive, quality plastic construction
- Space-saving, attractive design
- Available in both 12 and 16 capacities for full-length shafts and 12 capacity for Spin Shafts and Sotax Shafts

Part No.	Description	OEM Ref
PADHLD-12A	12 Position Paddle/Basket Shaft Holder for Full-Length Shafts	QLA
PADHLD-16A	16 Position Paddle/Basket Shaft Holder for Full-Length Shafts	QLA
PADHLD-3.75	12 Position Paddle/Basket Shaft Holder for Spin ON/OFF Shafts	QLA
PADHLD-12A-S	12 Position Paddle/Shaft Holder, Captured, 9" standoff (overall 11.14") for Sotax Shafts	QLA



PADHLD-12A



PADHLD-16A

Dual Purpose: The Basket Shaft/Paddle Holders are designed for optimal handling and storage of both basket shafts and paddles. Why not use one to keep a set of both paddles and basket shafts next to each bath?

SPIN SHAFT ACCESSORIES

APPARATUS 1 & 2

THE SPIN SHAFT

Spin ON/OFF Shafts for Apparatus 1 & 2 offer a quick, convenient change between paddle and basket methods without the need to reset the shaft height.

These two-piece basket/paddle/cylinder shafts join above the media to prevent potential contamination.

KEY CONSIDERATIONS

Spin Shaft Features:

- Spin ON/OFF Shafts may be used on any Agilent/VanKel, Distek, Erweka, Pharmatest or Teledyne Hanson dissolution instruments.
- Distek's primary design is the bottom detachable basket hub and paddle blade but QLA also manufactures Spin ON/OFF Shafts for Distek 2100 and 2500 baths as well.
- It is unnecessary to remove the upper shaft when changing from APP 1 to APP 2.
- There is no need to readjust shaft height or the locking mechanism.
- The attachment connection for Spin ON/OFF Shafts is located outside the media, eliminating any chance of contamination.
- Precision manufacturing has assured USP compliance and detachable components meet USP specifications.
- Spin ON/OFF Shafts are engineered to minimize the risk of cross-threading and ensure a secure connection.
- Wobble data is well within USP tolerance.

AGILENT COMPATIBLE

(Includes legacy VanKel)



SPNSHT-13

Spin ON/OFF 14.5" (370mm) Upper Shaft for V-Series, 316 SS, Serialized (when fully assembled)

QLA

OEM Ref



SPNSHT-15

Spin ON/OFF 15" (380mm) Upper Shaft, 316 SS, Serialized (when fully assembled)

12-1400, 13-3612, 14-3612

OEM Ref



SPNSHT-19

Spin ON/OFF 19" (480mm) Upper Shaft, 316 SS, Serialized (when fully assembled)

12-1401

OEM Ref



SPNSHT-21

Spin ON/OFF 21" (535mm) Upper Shaft, 316 SS, Serialized (when fully assembled)

13-3613, 14-3613

OEM Ref



SPNSHT-24

Spin ON/OFF 24" (610mm) Upper Shaft, 316 SS, Serialized (when fully assembled)

13-3614, 14-3614

OEM Ref



SPNSHT-01

Spin ON/OFF Basket Shaft, Spring Clip Style, 316 SS, Serialized

13-3631, 14-3631

OEM Ref



SPNRNG-01

Spin ON/OFF Basket Shaft, Push-On Style for VanKel, 316 SS, Serialized

13-3632

OEM Ref



SPNEPD-01

Spin ON/OFF Paddle, Electropolished 316 SS, Serialized

13-3603, 14-3603

OEM Ref

**SPNEPD-MINI**

Spin ON/OFF
Small Volume
(Mini) Paddle,
Electropolished
316 SS,
Serialized
(QLA/Agilent
Thread - Upper
Shaft available
separately)

13-3608; 14-3608

OEM Ref

**SPNEPD-CPMINI**

Spin ON/OFF
Small Volume
(Mini) Paddle
for Chinese
Pharmacopeia,
Electropolished
316 SS, Serialized
(QLA/Agilent
Thread - Upper
Shaft available
separately)

14-1449

OEM Ref

**SPNEPD-012L**

Spin ON/OFF
Paddle for 2L,
Electropolished
316 SS,
Serialized

13-3605, 14-3605

OEM Ref

**SPNNPD-01**

Spin ON/OFF
Paddle, PTFE
Coated over 316
SS, Serialized

13-3602, 14-3602

OEM Ref

**SPNNPD-MINI**

Spin ON/OFF
Small Volume
(Mini) Paddle,
PTFE Coated
over 316 SS,
Serialized
(QLA/Agilent
Thread - Upper
Shaft available
separately)

13-3607; 14-3607

OEM Ref

**SPNNPD-012L**

Spin ON/OFF
Paddle for 2L,
PTFE Coated
over 316 SS,
Serialized

13-3604, 14-3604

OEM Ref

**SPNPPD-01**

Spin ON/OFF
Paddle, Solid
PEEK, Serialized

QLA

OEM Ref

**SPNTPD-01**

Spin ON/
OFF Paddle,
Solid Molded
Fluoropolymer,
One Piece
Design,
Serialized

QLA

OEM Ref

DISTEK COMPATIBLE**SPNSHT-16.5**

Spin ON/OFF
16.5" (420mm)
Upper Shaft, 316
SS, Serialized
(when fully
assembled)

QLA

OEM Ref

**SPNSHT-21**

Spin ON/OFF 21"
(535mm) Upper
Shaft, 316 SS,
Serialized (when
fully assembled)

QLA

OEM Ref

**SPNRNG-DK**

Spin ON/OFF
Basket Shaft,
Standard Push-
On Style for
Distek, 316 SS,
Serialized

QLA

OEM Ref

**SPNEPD-01**

Spin ON/
OFF Paddle,
Electropolished
316 SS,
Serialized

QLA

OEM Ref

**SPNNPD-01**

Spin ON/OFF
Paddle, PTFE
Coated over 316
SS, Serialized

QLA

OEM Ref

**SPNPPD-01**

Spin ON/OFF
Paddle, Solid
PEEK, Serialized

QLA

OEM Ref

**SPNTPD-01**

Spin ON/
OFF Paddle,
Solid Molded
Fluoropolymer,
One Piece Design,
Serialized

QLA

OEM Ref

ERWEKA COMPATIBLE**SPNSHT-7EW**

Spin ON/OFF 7" (180mm) Upper Shaft for Low Head, 316 SS, Serialized (when fully assembled)

22391

OEM Ref

**SPNSHT-15EW**

Spin ON/OFF 15" (380mm) Upper Shaft for High Head, 316 SS, Serialized (when fully assembled)

22394

OEM Ref

**SPNSBK-EW**

Spin ON/OFF Basket Shaft, Spring Clip Style, 316 SS, Serialized

QLA

OEM Ref

**SPNEPD-EW**

Spin ON/OFF Paddle, Electropolished 316 SS, Serialized

QLA

OEM Ref

**SPNTPD-EW**

Spin ON/OFF Paddle, Solid Molded Fluoropolymer, One Piece Design, Serialized

QLA

OEM Ref

TELEDYNE HANSON COMPATIBLE

SR8-PLUS

**SPNSHT-16**

Spin ON/OFF 16" (405mm) Upper Shaft for SR8-Plus, 316 SS, Serialized (when fully assembled)

QLA

OEM Ref

**SPNSBK-HR**

Spin ON/OFF Basket Shaft, Spring Clip Style, 316 SS, Serialized (Use with SPNSHT-16)

QLA

OEM Ref

**SPNEPD-01**

Spin ON/OFF Paddle, Electropolished 316 SS, Serialized

QLA

OEM Ref

**SPNPPD-01**

Spin ON/OFF Paddle, PTFE Coated over 316 SS, Serialized

QLA

OEM Ref

**SPNPPD-01**

Spin ON/OFF Paddle, Solid PEEK, Serialized

QLA

OEM Ref

**SPNTPD-01**

Spin ON/OFF Paddle, Solid Molded Fluoropolymer, One Piece Design, Serialized

QLA

OEM Ref

TELEDYNE HANSON COMPATIBLE

VISION AND CD14



NDT10-HR

10" (255mm) Spin ON/
OFF Upper Shaft, 316
SS, Serialized

74-105-050

OEM Ref



NDT12-HR

12" (305mm) Spin ON/
OFF Upper Shaft, 316
SS, Serialized

74-205-049

OEM Ref



LCB15-HR

15" (380mm) Spin ON/
OFF Upper Shaft, 316
SS, Serialized

74-205-050

OEM Ref



SPNBSK-HRV

Spin ON/OFF
Basket Shaft,
Spring Clip
Style, 316 SS,
Serialized

74-105-251

OEM Ref



SPNBSK- HRV2L

Spin ON/OFF
Basket Shaft for
2L, Spring Clip
Style, 316 SS,
Serialized

74-105-371

OEM Ref



SPNEPD-HRV

Spin ON/
OFF Paddle,
Electropolished
316 SS,
Serialized

74-105-202

OEM Ref



SPNEPD- HRV2L

Spin ON/OFF
Paddle for 2L,
Electropolished
316 SS,
Serialized

74-105-361

OEM Ref



SPNNPD-HRV

Spin ON/OFF
Paddle, PTFE
Coated over 316
SS, Serialized

QLA

OEM Ref



SPNTPD-HRV

Spin ON/
OFF Paddle,
Solid Molded
Fluoropolymer,
One Piece
Design,
Serialized

74-105-201

OEM Ref



SPNTPD- HRV2L

Spin ON/OFF
Paddle for 2L,
Solid Molded
Fluoropolymer,
One Piece
Design,
Serialized

74-105-351

OEM Ref

PHARMATEST COMPATIBLE



SPNSHT-PT

Spin ON/OFF 14.125"
(359mm) Upper Shaft
with 10mm OD, 316
SS, Serialized

QLA

OEM Ref



SPNSHT-PT2

Spin ON/OFF 3.625"
(92mm) Lower Shaft
with 10mm OD, 316
SS, Serialized

QLA

OEM Ref



SPNBSK-PT

Spin ON/OFF Spring
Clip Style Basket
Shaft with 10mm OD
(internal thread), 316
SS, Serialized

QLA

OEM Ref

**SPNEPD-PT**

Spin ON/OFF Paddle with 10mm OD, Electropolished 316 SS, Serialized

316-0210-6

OEM Ref

**SPNNPD-PT**

Spin ON/OFF Paddle with 10mm OD, PTFE Coated over 316 SS, Serialized

QLA

OEM Ref

NOTE: Spin ON/OFF APP 6 cylinders can be found on pages 91-92 in Transdermal Testing: APP 5 & APP 6 section.

ULTRACENTER™ PRECISION TAPERED SHAFTS

Patent Pending

QLA UltraCenter™ Precision Tapered upper and lower shafts provide a significantly more accurate paddle and/or basket shaft assembly. The tapered fit between the upper and lower shaft results in an extremely concentric assembly with far less wobble. They were specifically designed to complement QLA AccuCenter™ Brackets and UltraCenter™ Vessels. UltraCenter™ upper and lower shafts are interchangeable. These shafts are another QLA innovative dissolution component developed to help achieve Enhanced Mechanical Calibration in accordance with the current ASTM standard. Dissolution instruments calibrated to this standard do not need further calibration with USP calibrator tablets.

**ASTMSHT-13**

14.5" (370mm) UltraCenter™ Precision Tapered Upper Spin Shaft for V-Series, 316 SS, Serialized (when fully assembled)

QLA

OEM Ref

**ASTMSHT-15**

15" (380mm) UltraCenter™ Precision Tapered Upper Spin Shaft for VanKel, 316 SS, Serialized (when fully assembled)

QLA

OEM Ref

**ASTMSHT-16**

16" (405mm) UltraCenter™ Precision Tapered Upper Spin Shaft for Hanson SR8-Plus, 316 SS, Serialized (when fully assembled)

QLA

OEM Ref

**ASTMSHT-16.5**

16.5" (420mm) UltraCenter™ Precision Tapered Upper Spin Shaft for Distek 2100, 316 SS, Serialized (when fully assembled)

QLA

OEM Ref

**ASTMSHT-19**

19" (480mm) UltraCenter™ Precision Tapered Upper Spin Shaft for Agilent/VanKel/Varian, 316 SS, Serialized (when fully assembled)

QLA

OEM Ref

**ASTMSHT-21**

21" (535mm) UltraCenter™ Precision Tapered Upper Spin Shaft, 316 SS, Serialized (when fully assembled)

QLA

OEM Ref

**ASTMSHT-24**

24" (610mm)
UltraCenter™
Precision Tapered
Upper Spin Shaft, 316
SS, Serialized (when
fully assembled)

QLA
OEM Ref

**SPNBSK-ASTM**

UltraCenter™
Precision Tapered
Spin ON/OFF Spring
Clip Style Basket
Shaft, 316 SS,
Serialized (Upper
Shaft available
separately)

QLA
OEM Ref

**SPNEPD-ASTM**

UltraCenter™
Precision Tapered
Spin ON/OFF Paddle,
Electropolished 316
SS, Serialized (Upper
Shaft available
separately)

QLA
OEM Ref

**SPNNPD-ASTM**

UltraCenter™
Precision Tapered
Spin ON/OFF Paddle,
PTFE Coated over
316 SS, Serialized
(Upper Shaft
available separately)

QLA
OEM Ref

**SPNTPD-ASTM**

UltraCenter™
Precision Tapered
Spin ON/OFF
Paddle, Solid Molded
Fluoropolymer,
One Piece Design,
Serialized (Upper
Shaft available
separately)

QLA
OEM Ref

Spin Shaft Tightening and Loosening Tool

- Provides for a secure connection and ensures the 2 piece shaft doesn't come loose or detached during operation
- Rubber lined for extra grip and will not scratch or damage the shaft
- Use two tools for best results.

SHFTOOL

Spin Shaft Tightening/
Loosening Tool

QLA
OEM Ref



CAPSULE SINKERS

THE SINKER

Floating tablets rarely dissolve at a reproducible rate. Using a sinker in Apparatus 2 fixes the tablet to a certain point and aids reproducibility. Sinkers can also be useful where tablets may stick to the sides of the vessel.

USP 711 states: "A small, loose piece of non-reactive material such as not more than a few turns of wire helix may be attached to dosage units that would otherwise float. Other validated sinker devices may be used."

Once a sinker design is selected for a particular application, the dimensions and drawings should be recorded to ensure uniformity in the procedure.

KEY CONSIDERATIONS

Inevitably, homemade sinkers tend not to be reproducible and so commercially available sinkers are quite popular. The choice of sinker will depend on the tablet or capsule.

General Guidelines:

- **Sinker Size** — The sinker should have minimal surface contact with the tablet as this can affect the dissolution rate. Sinkers are available in different sizes to accommodate most capsule/tablet dimensions. See the sinker and capsule guide on pages 38-41.
- **Sinker Weight** — Should be heavy enough to ensure that the tablet sinks to the bottom of the vessel and doesn't move for the duration of the test.
- **PTFE Coated Sinkers** — Can be used where there may be a reaction between steel and the tablet. They also work well with magnetic retrievers.
- **Uncoated** — 316 stainless steel sinkers are more durable than coated sinkers.
- **Basket Sinkers** — Ideal for coin-shaped tablets but care should be taken that the outer coating of the tablet does not clog the mesh.
- **Wire Spirals** — Should be as wide as practically possible to avoid clogging which would affect the dissolution rate.

OEM Key

- A** Agilent
- S** Sotax

3 PRONG SINKERS



CAPWHT-VK

3 Prong Capsule Sinker, Nylon

12-3050 **A**
OEM Ref



MAGWHT-VK

3 Prong Capsule Sinker with Magnetic Legs, Nylon

12-3056 **A**
OEM Ref



CAPWHT-SV

3 Prong Capsule Sinker, 316 SS

QLA
OEM Ref

BASKET SINKERS



CUSBSK-JP

Japanese Pharmacopeia Cage Style Basket Sinker, 316 SS, .47" (12mm) D x 1.00" (25.4mm) L capacity (same dims as shown in USP)

12-3070 **A**
OEM Ref



CUSBSK-JPMAG

Magnetic Japanese Pharmacopeia Cage Style Basket Sinker, 316 SS, .47" (12mm) D x 1.00" (25.4mm) L capacity (same dims as shown in USP)

QLA
OEM Ref



CUSBSK-ALF

Alfuzosin Hydrochloride Basket Sinker, 316 SS, .67" (17mm) D x 1.32" (33.5mm) L capacity

QLA
OEM Ref



CUSBSK-ROP

Ropinirole Basket Sinker, 316 SS, .64" (16.3mm) D x 1.3" (33mm) L capacity

QLA
OEM Ref

**CUSBSK-ROPTF**

Ropinirole Basket Sinkers, PTFE Coated over 316 SS, .64" (16.3mm) D x 1.3" (33mm) L capacity

QLA

OEM Ref

**BSK008-01**

8 Mesh Basket Sinkers, 316 SS, 1.06" (26.9mm) L x .62" (15.7mm) W capacity

QLA

OEM Ref

**BSK008-01LG**

8 Mesh Basket Sinkers, 316 SS, 1.5" (38mm) L x .62" (15.7mm) W capacity

QLA

OEM Ref

**BSK008-01XL**

8 Mesh Basket Sinkers, 316 SS, 2.0" (50.8mm) L x .62" (15.7mm) W capacity

QLA

OEM Ref

**BSK008-JP**

8 Mesh Basket Sinkers, 316 SS, .90" (22.9mm) L x .51" (12.9mm) W capacity

QLA

OEM Ref

**BSK008-JPM**

8 Mesh Basket Sinkers, 316 SS, .40" (10.2mm) L x .51" (12.9mm) W capacity

QLA

OEM Ref

**BSK008-JPS**

8 Mesh Basket Sinkers, 316 SS, .330" (8.4mm) L x .51" (12.9mm) W capacity

QLA

OEM Ref

**BSK008-JPXS**

8 Mesh Basket Sinkers, 316 SS, .235" (5.9mm) L x .51" (12.9mm) W capacity

QLA

OEM Ref

**SNK008-VK**

8 Mesh Sinkers Basket with Lid, 316 SS, .62" (15.7mm) L x .79" (20.2mm) W capacity

12-3062 A

OEM Ref

**SNK010-VK**

10 Mesh Sinkers Basket with Lid, 316 SS, .62" (15.7mm) L x .79" (20.2mm) W capacity

12-3060 A

OEM Ref

**SNK020-VK**

20 Mesh Sinkers Basket with Lid, 316 SS, .62" (15.7mm) L x .79" (20.2mm) W capacity

12-3063 A

OEM Ref

**SNK030-VK**

30 Mesh Sinkers Basket with Lid, 316 SS, .62" (15.7mm) L x .79" (20.2mm) W capacity

QLA

OEM Ref

**SNK040-VK**

40 Mesh Sinkers Basket with Lid, 316 SS, .62" (15.7mm) L x .79" (20.2mm) W capacity

12-3064 A

OEM Ref

**SNK080-VK**

80 Mesh Sinkers Basket with Lid, 316 SS, .62" (15.7mm) L x .79" (20.2mm) W capacity

QLA

OEM Ref

**SNK100-VK**

100 Mesh Sinkers Basket with Lid, 316 SS, .62" (15.7mm) L x .79" (20.2mm) W capacity

QLA

OEM Ref

**SNK20/200-VK**

200 Mesh Sinkers Basket with Lid and 20 Mesh Stability Lining, 316 SS

QLA

OEM Ref

**SNK20/400-VK**

400 Mesh Sinkers Basket with Lid and 20 Mesh Stability Lining, 316 SS

QLA

OEM Ref

O-RING SINKERS



CAPWHT-S99

O-Ring Sinkers, 316 SS

8399 S

OEM Ref



CAPWHT-S000

O-Ring Sinkers fits Capsule Sizes 0,00,000, 316 SS

QLA

OEM Ref

SPIRAL SINKERS



CAPWHT-2S

Spiral Capsule Sinkers, 316 SS, .84" (21.3mm) L x .37" (9.4mm) W capacity, 8.5 coils

QLA

OEM Ref



CAPWHT-02

Spiral Capsule Sinkers, PTFE Coated Music Wire, .84" (21.3mm) L x .37" (9.4mm) W capacity, 8.5 coils

QLA

OEM Ref



CAPWHT-4S

Spiral Capsule Sinkers, 316 SS, .84" (21.3mm) L x .385" (9.8mm) W capacity, 5 coils

QLA

OEM Ref



CAPWHT-04

Spiral Capsule Sinkers, PTFE Coated Music Wire, .84" (21.3mm) L x .385" (9.8mm) W capacity, 5 coils

QLA

OEM Ref



CAPWHT-8S

Spiral Capsule Sinkers, 316 SS, 1.06" (27mm) L x .709" (18mm) W capacity, 8 coils

QLA

OEM Ref



CAPWHT-LG

Spiral Capsule Sinkers, PTFE Coated Music Wire, 1.10" (27.9mm) L x .41" (10.4mm) W capacity, 6.5 coils

QLA

OEM Ref

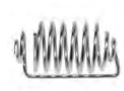


CAPWHT-LGMT

Spiral Capsule Sinkers, Orange PTFE Coated Music Wire, .944" (24mm) L x .485" (12.3mm) W capacity, 6.5 coils

QLA

OEM Ref



CAPWHT-LGMTSS

Spiral Capsule Sinkers, 316 SS, .944" (24mm) L x .485" (12.3mm) W capacity, 6.5 coils

QLA

OEM Ref



CAPWHT-LGMTTF

Spiral Capsule Sinkers, PTFE Coated Music Wire, .944" (24mm) L x .485" (12.3mm) W capacity, 6.5 coils

QLA

OEM Ref



CAPWHT-XL

Spiral Capsule Sinkers, PTFE Coated Music Wire, 1.15" (29.2mm) L x .465" (11.8mm) W capacity, 5.5 coils

QLA

OEM Ref



CAPWHT-XLS

Spiral Capsule Sinkers, 316 SS, 1.15" (29.2mm) L x .465" (11.8mm) W capacity, 5.5 coils

QLA

OEM Ref



CAPWHT-XLSS

Spiral Capsule Sinkers, 316 SS, .885" (22.5mm) L x .465" (11.8mm) W capacity, 3 coils

QLA

OEM Ref

**CAPWHT-XS**

Spiral Capsule Sinker, 316 SS, .885" (22.5mm) L x .575" (14.6mm) W capacity, 8.5 coils

QLA

OEM Ref

**CAPWHT-0XS**

Spiral Capsule Sinker, PTFE Coated Music Wire, .885" (22.5mm) L x .575" (14.6mm) W capacity, 8.5 coils

QLA

OEM Ref

**CAPWHT-XSTEF**

Spiral Capsule Sinker, PTFE Coated 316 SS, .885" (22.5mm) L x .575" (14.6mm) W capacity, 8.5 coils

QLA

OEM Ref

**CAPWHT-XXLS**

Spiral Capsule Sinker, 316 SS, 1.6" (40.6mm) L x .512" (13mm) W capacity, 6 coils

QLA

OEM Ref

**CAPWHT-10920**

Spiral Capsule Sinker for Capsule Size 0 per USP <1092>, 316 SS, Approx .93" (23.7mm) L x .33" (8.5mm) W capacity, 4 coils (.032"/20 gauge wire diameter (Initial wire length=12cm))

QLA

OEM Ref

**CAPWHT-10921&2**

Spiral Capsule Sinker for Capsule Sizes 1 & 2 per USP <1092>, 316 SS, Approx .81" (20.5mm) L x .28" (7mm) W capacity, 4 coils (.032"/20 gauge wire diameter (Initial wire length=10cm))

QLA

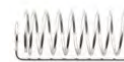
OEM Ref

**CAPWHT-10923&4**

Spiral Capsule Sinker for Capsule Sizes 3 & 4 per USP <1092>, 316 SS, Approx .79" (20mm) L x .22" (5.5mm) W capacity, 4 coils (.032"/20 gauge wire diameter (Initial wire length=8cm))

QLA

OEM Ref

**CAPWHT-HR011**

Spiral Capsule Sinker, 316 SS, 1.06" (26.9mm) L x .39" (10mm) W capacity, 8 coils

65-190-011/ 65-190-012/ 65-190-013

OEM Ref

**CAPWHT-HR011TF**

Spiral Capsule Sinker, PTFE Coated over 316 SS, 1.06" (26.9mm) L x .39" (10mm) W capacity, 8 coils

QLA

OEM Ref

**CAPWHT-IM**

Spiral Capsule Sinker per Isosorbide Mononitrate E-R Tablets Monograph, Approx 1.00" (25.4mm) L x .28" (7mm) ID, 316 SS (.032"/20 gauge wire diameter (Initial wire length= 25.4cm))

QLA

OEM Ref

**CAPWHT-NF**

Nitrofurantoin Spiral Capsule Sinker, PTFE Coated over 316 SS, .87" (22mm) L x .33" (8.5mm) W capacity, 4 coils (.032"/20 gauge wire diameter)

QLA

OEM Ref

**CAPWHT-17075**

Spiral Capsule Sinker, PTFE Coated Music Wire, .69" (17.49mm) L x .30" (7.6mm) W capacity, 5.5 coils (Max OD of sinker=.55" (14mm))

QLA

OEM Ref

**CAPWHT-18088**

Spiral Capsule Sinker, 316 SS, .71" (18mm) L x .32" (8mm) W capacity, 8.5 coils

QLA

OEM Ref

**CAPWHT-20074.1**

Spiral Capsule Sinker, PTFE Coated Music Wire, .74" (18.7mm) L x .283" (7.1mm) W capacity, 4 coils

QLA

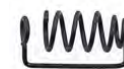
OEM Ref

**CAPWHT-20074.5**

Spiral Capsule Sinker, PTFE Coated Music Wire, .76" (19.3mm) L x .283" (7.1mm) W capacity, 4.5 coils

QLA

OEM Ref

**CAPWHT-20075**

Spiral Capsule Sinker, PTFE Coated Music Wire, .80" (20.4mm) L x .30" (7.6mm) W capacity, 5.5 coils

QLA

OEM Ref



CAPWHT-21086

Spiral Capsule Sinker, PTFE Coated Music Wire, .84" (21.3mm) L x .31" (8mm) W capacity, 6.5 coils

QLA
OEM Ref



CAPWHT-21087

Spiral Capsule Sinker, PTFE Coated Music Wire, .84" (21.3mm) L x .31" (8mm) W capacity, 7.5 coils

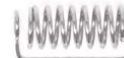
QLA
OEM Ref



CAPWHT-21088

Spiral Capsule Sinker, PTFE Coated Music Wire, .84" (21.3mm) L x .31" (8mm) W capacity, 8.5 coils

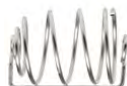
QLA
OEM Ref



CAPWHT-23088

Spiral Capsule Sinker, 316 SS, .91" (23mm) L x .32" (8mm) W capacity, 8.5 coils

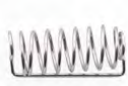
QLA
OEM Ref



CAPWHT-29173.5S

Spiral Capsule Sinker, 316 SS, 1.11" (28.3mm) L x .689" (17.5mm) W capacity, 3.5 coils

QLA
OEM Ref



CAPWHT-3010

Spiral Capsule Sinker, 316 SS, 1.18" (30mm) L x .42" (10.7mm) W capacity, 9 coils

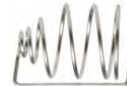
QLA
OEM Ref



CAPWHT-30184.5S

Spiral Capsule Sinker, 316 SS, 1.15" (29.2mm) L x .70" (18mm) W capacity, 4.5 coils

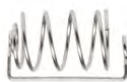
QLA
OEM Ref



CAPWHT-30194S

Spiral Capsule Sinker, 316 SS, 1.15" (29.2mm) L x .75" (19mm) W capacity, 4 coils

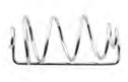
QLA
OEM Ref



CAPWHT-32144S

Spiral Capsule Sinker, 316 SS, 1.21" (30.8mm) L x .575" (14.6mm) W capacity, 4 coils

QLA
OEM Ref



CAPWHT-3414

Spiral Capsule Sinker, 316 SS, 1.34" (34mm) L x .55" (14mm) W capacity, 3 coils

QLA
OEM Ref



CAPWHT-34178S

Spiral Capsule Sinker, 316 SS, 1.30" (32.9mm) L x .67" (17mm) W capacity, 8 coils

QLA
OEM Ref



CAPWSC-01S

Spiral Capsule Sinker with Screw-on Cap, 316 SS, .765" (19.4mm) L x .275" (7.1mm) W capacity, 6 coils

QLA
OEM Ref



CAPWSC-02S

Spiral Capsule Sinker with Screw-on Cap, 316 SS, .765" (19.4mm) L x .355" (9mm) W capacity, 6 coils

QLA
OEM Ref



CAPWSC-03S

Spiral Capsule Sinker with Screw-on Cap, 316 SS, .765" (19.4mm) L x .433" (11mm) W capacity, 6 coils

QLA
OEM Ref

SPRING STYLE SINKERS

OEM Key **S** Sotax**CAPWST-15**

Spring Style Capsule Sinker, 316 SS, .61" (15.5mm) L x .19" (5mm) W capacity, 6 coils

8280 S
OEM Ref

**CAPWST-18**

Spring Style Capsule Sinker, 316 SS, .71" (18mm) L x .24" (6mm) W capacity, 8 coils

7346 S
OEM Ref

**CAPWST-18TEF**

Spring Style Capsule Sinker, PTFE Coated over 316 SS, .71" (18mm) L x .24" (6mm) W capacity, 8 coils

QLA
OEM Ref

**CAPWST-19**

Spring Style Capsule Sinker, 316 SS, .76" (19.3mm) L x .28" (7mm) W capacity, 8 coils

8283 S
OEM Ref

**CAPWST-19TEF**

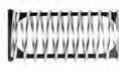
Spring Style Capsule Sinker, PTFE Coated over 316 SS, .76" (19.3mm) L x .28" (7mm) W capacity, 8 coils

QLA
OEM Ref

**CAPWST-23**

Spring Style Capsule Sinker, 316 SS, .91" (23mm) L x .31" (8mm) W capacity, 9 coils

6881 S
OEM Ref

**CAPWST-31**

Spring Style Capsule Sinker, 316 SS, 1.22" (31mm) L x .43" (11mm) W capacity, 11 coils

7349 S
OEM Ref

OTHER STYLE SINKERS

**CAPWHT-PC**

Breath Film Sinker, 316 SS

QLA
OEM Ref

**CAPWHT-PC3120**

Paper Clip Style Sinker, 316 SS, 31mm L x 20mm W

QLA
OEM Ref

**CAPWHT-HC6.35**

Hose Clamp Sinker with .25" (6.35mm) ID opening, .040" (1.02mm) dia. wire, 316 SS

QLA
OEM Ref

**CAPWHT-TR**

Time-Release Tablet Sinker, 316 SS

QLA
OEM Ref

**CAPWHT-TR1**

Time-Release Tablet Sinker with .305" (7.7mm) x .375" (9.5mm) ID opening, .043" (1.1mm) dia. wire, 316 SS

QLA
OEM Ref

**CAPWHT-TR2**

Time-Release Tablet Sinker with .194" (4.9mm) x .280" (7.1mm) ID opening, .030" (.76mm) dia. wire, 316 SS

QLA
OEM Ref

**CAPWHT-TR3**

Time-Release Tablet Sinker with .263" (6.7mm) x .390" (9.9mm) ID opening, .030" (.76mm) dia. wire, 316 SS

QLA
OEM Ref

**CAPWHT-TR4**

Time-Release Tablet Sinker with .263" (6.7mm) x .484" (12.3mm) ID opening, .030" (.76mm) dia. wire, 316 SS

QLA
OEM Ref

**CAPWHT-TR5**

Time-Release Capsule Sinker with .149" (3.8mm) x .463" (11.75mm) ID opening, .030" (.76mm) dia. wire, 316 SS

QLA

OEM Ref

**CAPWHT-U01**

U-Shaped Sinker, .69" (17.5mm) Inside Width (fits Capsule Sizes 0 and 1), 316 SS

QLA

OEM Ref

**CAPWHT-U2**

U-Shaped Sinker, .62" (15.9mm) Inside Width (fits Capsule Size 2), 316 SS

QLA

OEM Ref

316 STAINLESS STEEL WIRE**OEM Key** **A** Agilent**WIRESK-VK**

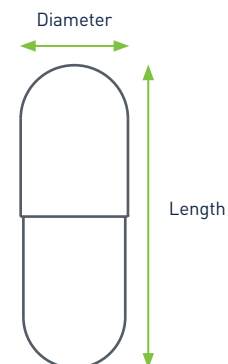
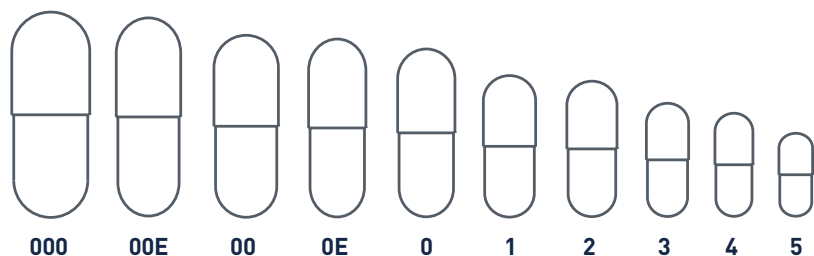
316 SS Sinker Wire, .032" (.81mm) dia., 50' (15m) Roll

12-3000 **A**

OEM Ref

CAPSULES

CAPSULE SIZE	LENGTH		DIAMETER	
	(inches)	(mm)	(inches)	(mm)
000	1.029	26.1	0.390	9.91
00E	1.012	25.7	0.336	8.53
00	0.917	23.3	0.336	8.53
0E	0.909	23.1	0.301	7.65
0	0.854	21.7	0.301	7.65
1	0.765	19.4	0.272	6.91
2	0.709	18.0	0.250	6.35
3	0.626	15.9	0.229	5.83
4	0.563	14.3	0.209	5.32
5	0.437	11.1	0.193	4.91

**Capsules Shown at Actual Size****Custom Design and Fabrication**

QLA provides design and fabrication services including custom sinkers, to any specification.

We can advise you on any project that comes up.



Please speak with your QLA Sales Rep about your requirements.

Sinker Type

	PART NUMBER	STYLE	MATERIAL	COATING
3 Prong	CAPWHT-VK	3 Prong	Nylon	-
	MAGWHT-VK	3 Prong	Nylon/ Magnetic Steel	-
	CAPWHT-SV	3 Prong	316 SS	-
Basket, JP	CUSBSK-JP	Basket, JP	316 SS	-
	CUSBSK-JPMAG	Basket, JP	316 SS	-
Basket	CUSBSK-ALF	Basket	316 SS	-
	CUSBSK-ROP	Basket	316 SS	-
	CUSBSK-ROPTF	Basket	316 SS	PTFE
Basket, 8 Mesh	BSK008-JP	Basket, 8 Mesh	316 SS	-
Basket, 8 Mesh	BSK008-JPM	Basket, 8 Mesh	316 SS	-
Basket, 8 Mesh	BSK008-JPS	Basket, 8 Mesh	316 SS	-
Basket, 8 Mesh	BSK008-JPXS	Basket, 8 Mesh	316 SS	-
Basket, 8 Mesh	BSK008-01	Basket, 8 Mesh	316 SS	-
Basket, 8 Mesh	BSK008-01LG	Basket, 8 Mesh	316 SS	-
Basket, 8 Mesh	BSK008-01XL	Basket, 8 Mesh	316 SS	-
Basket, 8 Mesh	SNK008-VK	Basket, 8 Mesh	316 SS	-
Basket, 10 Mesh	SNK010-VK	Basket, 10 Mesh	316 SS	-
Basket, 20 Mesh	SNK020-VK	Basket, 20 Mesh	316 SS	-
Basket, 30 Mesh	SNK030-VK	Basket, 30 Mesh	316 SS	-
Basket, 40 Mesh	SNK040-VK	Basket, 40 Mesh	316 SS	-
Basket, 80 Mesh	SNK080-VK	Basket, 80 Mesh	316 SS	-
Basket, 100 Mesh	SNK100-VK	Basket, 100 Mesh	316 SS	-
Basket, 200 Mesh w/20 Mesh Lining	SNK20/200-VK	Basket, 200 Mesh w/20 Mesh Lining	316 SS	-
Basket, 400 Mesh w/20 Mesh Lining	SNK20/400-VK	Basket, 400 Mesh w/20 Mesh Lining	316 SS	-
O-Ring	CAPWHT-S99	O-Ring	316 SS	-
O-Ring	CAPWHT-S000	O-Ring	316 SS	-
Spiral	CAPWHT-2S	Spiral	316 SS	-
	CAPWHT-02	Spiral	Music Wire	PTFE
	CAPWHT-4S	Spiral	316 SS	-
	CAPWHT-04	Spiral	Music Wire	PTFE
	CAPWHT-8S	Spiral	316 SS	-
	CAPWHT-LG	Spiral	Music Wire	PTFE
	CAPWHT-LGMT	Spiral	Music Wire	PTFE
	CAPWHT-LGMTSS	Spiral	316 SS	-
	CAPWHT-LGMTTF	Spiral	Music Wire	PTFE
	CAPWHT-XL	Spiral	Music Wire	PTFE
	CAPWHT-XLS	Spiral	316 SS	-
	CAPWHT-XLSS	Spiral	316 SS	-
	CAPWHT-XS	Spiral	316 SS	-
	CAPWHT-0XS	Spiral	Music Wire	PTFE
	CAPWHT-XSTEF	Spiral	316 SS	PTFE
	CAPWHT-XXLS	Spiral	316 SS	-
	CAPWHT-10920	Spiral	316 SS	-
	CAPWHT-10921&2	Spiral	316 SS	-
	CAPWHT-10923&4	Spiral	316 SS	-
	CAPWHT-HR011	Spiral	316 SS	-

INSIDE DIAMETER		INSIDE LENGTH		WIRE DIAMETER		MAX CAPSULE SIZE	MIN CAPSULE SIZE	NO. OF COILS	NOMINAL SINKER WEIGHT (grams)
(inches)	(mm)	(inches)	(mm)	(inches)	(mm)				
0.17/0.31	4.32/7.87	1.00	25.40	0.51	12.90	1	3	-	0.87
0.17/0.31	4.32/7.87	1.00	25.40	0.51	12.90	1	3	-	1.10
0.210/0.275	5.3/7.0	1.00	25.40	0.365	9.30	1	3	-	1.25
0.472	12.00	1.00	25.40	0.67	17.00	00	5	-	2.15
0.47	12.00	1.00	25.40	0.67	17.00	00	5	-	2.15
0.67	17.00	1.32	33.50	0.787	20.00	000	4	-	15.10
0.64	16.30	1.30	33.00	0.748	19.00	000	4	-	14.70
0.64	16.30	1.30	33.00	0.748	19.00	000	4	-	14.70
0.51	12.90	0.90	22.90	0.71	18.00	0	5	-	2.90
0.51	13.00	0.40	10.10	0.71	18.00	3	5	-	2.00
0.51	13.00	0.33	8.40	0.71	18.00	5	5	-	1.70
0.51	13.00	0.23	6.00	0.71	18.00	5	5	-	1.40
0.62	15.70	1.06	26.90	0.81	20.57	000	5	-	3.80
0.62	15.70	1.50	38.10	0.81	20.57	000	5	-	6.10
0.62	15.70	2.00	50.80	0.81	20.57	000	5	-	8.40
0.795	20.20	0.62	15.70	1.00	25.40	1	5	-	20.30
0.795	20.20	0.62	15.70	1.00	25.40	1	5	-	20.30
0.795	20.20	0.62	15.70	1.00	25.40	1	5	-	20.30
0.79	20.20	0.62	15.70	1.00	25.40	1	5	-	20.30
0.795	20.20	0.62	15.70	1.00	25.40	1	5	-	20.30
0.795	20.20	0.62	15.70	1.00	25.40	1	5	-	20.30
0.79	20.20	0.62	15.70	1.00	25.40	1	5	-	20.30
0.795	20.20	0.62	15.70	1	25.40	1	5	-	20.30
0.79	20.20	0.62	15.70	1	25.40	1	5	-	20.30
0.301	7.65	0.904	23.00	0.6	15.10	00	3	-	1.01
0.41	10.40	1.05	26.60	0.78	19.70	000	0	-	1.15
0.37	9.40	0.84	21.30	0.64	16.20	00	4	8.5	3.00
0.37	9.40	0.84	21.30	0.64	16.20	00	4	8.5	2.05
0.385	9.80	0.84	21.30	0.60	15.20	00	3	5	1.95
0.385	9.80	0.84	21.30	0.60	15.20	00	2	5	1.70
0.71	18.00	1.06	27.00	0.98	24.90	000	0	8	9.40
0.41	10.40	1.10	27.90	0.62	15.70	000	2	6.5	2.00
0.48	12.30	0.94	24.00	0.65	16.50	000	4	6.5	1.90
0.48	12.30	0.94	24.00	0.65	16.50	000	4	6.5	1.90
0.48	12.30	0.94	24.00	0.65	16.50	000	4	6.5	1.90
0.465	11.80	1.15	29.20	0.69	17.50	000	2	5.5	2.15
0.465	11.80	1.15	29.20	0.69	17.50	000	2	5.5	2.15
0.465	11.80	0.885	22.50	0.99	17.50	00	2	3	2.05
0.575	14.60	0.885	22.50	0.79	20.10	00	2	8.5	3.60
0.57	14.60	0.89	22.50	0.79	20.10	000	2	8.5	3.60
0.57	14.60	0.88	22.50	0.79	20.10	00	2	8.5	3.60
0.51	13.00	1.60	40.60	0.73	18.50	SPECIAL	0	6	3.00
0.34	8.50	0.93	23.70	0.40	10.12	0	0	4	0.46
0.28	7.00	0.81	20.50	0.34	8.62	1	2	4	0.38
0.22	5.50	0.79	20.00	0.28	7.12	3	4	4	0.30
0.39	10.00	1.06	26.90	0.60	15.30	00	3	8	1.30

	PART NUMBER	STYLE	MATERIAL	COATING
Spiral	CAPWHT-HR011TF	Spiral	316 SS	PTFE
	CAPWHT-IM	Spiral	316 SS	-
	CAPWHT-NF	Spiral	316 SS	PTFE
	CAPWHT-17075	Spiral	Music Wire	PTFE
	CAPWHT-18088	Spiral	316 SS	-
	CAPWHT-20074.1	Spiral	Music Wire	PTFE
	CAPWHT-20074.5	Spiral	Music Wire	PTFE
	CAPWHT-20075	Spiral	Music Wire	PTFE
	CAPWHT-21086	Spiral	Music Wire	PTFE
	CAPWHT-21087	Spiral	Music Wire	PTFE
	CAPWHT-21088	Spiral	Music Wire	PTFE
	CAPWHT-23088	Spiral	316 SS	-
	CAPWHT-29173.5S	Spiral	316 SS	-
	CAPWHT-3010	Spiral	316 SS	-
	CAPWHT-30184.5S	Spiral	316 SS	-
	CAPWHT-30194S	Spiral	316 SS	-
CAPWHT-32144S	Spiral	316 SS	-	
CAPWHT-3414	Spiral	316 SS	-	
CAPWHT-34178S	Spiral	316 SS	-	
Spiral with Cap	CAPWSC-01S	Spiral with Cap	316 SS	-
	CAPWSC-02S	Spiral with Cap	316 SS	-
	CAPWSC-03S	Spiral with Cap	316 SS	-
Spring Style	CAPWST-15	Spring Style	316 SS	-
	CAPWST-18	Spring Style	316 SS	-
	CAPWST-18TEF	Spring Style	316 SS	PTFE
	CAPWST-19	Spring Style	316 SS	-
	CAPWST-19TEF	Spring Style	316 SS	PTFE
	CAPWST-23	Spring Style	316 SS	-
	CAPWST-31	Spring Style	316 SS	-
Strip Film	CAPWHT-PC	Strip Film	316 SS	-
Paper Clip	CAPWHT-PC3120	Paper Clip	316 SS	-
Hose Clamp	CAPWHT-HC6.35	Hose Clamp	316 SS	-
Tablet Holder	CAPWHT-TR	Tablet Holder	316 SS	-
	CAPWHT-TR1	Tablet Holder	316 SS	-
	CAPWHT-TR2	Tablet Holder	316 SS	-
	CAPWHT-TR3	Tablet Holder	316 SS	-
	CAPWHT-TR4	Tablet Holder	316 SS	-
	CAPWHT-TR5	Tablet Holder	316 SS	-
U-Shaped	CAPWHT-U01	U-Shaped	316 SS	-
	CAPWHT-U2	U-Shaped	316 SS	-
Sinker Wire 50'	WIRESK-VK	Sinker Wire 50'	316 SS	-

INSIDE DIAMETER		INSIDE LENGTH		WIRE DIAMETER		MAX CAPSULE SIZE	MIN CAPSULE SIZE	NO. OF COILS	NOMINAL SINKER WEIGHT (grams)
(inches)	(mm)	(inches)	(mm)	(inches)	(mm)				
0.39	10.00	1.06	26.90	0.60	15.30	00	3	8	1.30
0.28	7.00	1.00	25.40	0.34	8.62	1	2	10	1.00
0.33	8.50	0.87	22.00	0.43	11.00	1	5	4	0.50
0.30	7.60	0.69	17.50	0.55	14.00	2	5	5.5	1.35
0.32	8.00	0.71	18.00	0.58	14.70	1	5	8.5	1.45
0.28	7.19	0.74	18.70	0.52	13.16	1	5	4	1.40
0.28	7.19	0.76	19.30	0.53	13.44	1	5	4.5	3.00
0.30	7.60	0.80	20.40	0.55	14.00	1	5	5.5	1.37
0.31	8.00	0.84	21.30	0.58	14.70	0	5	6.5	1.30
0.31	8.00	0.84	21.30	0.58	14.70	0	5	7.5	1.50
0.31	8.00	0.84	21.30	0.58	14.70	0	5	8.5	1.60
0.32	8.00	0.91	23.00	0.58	14.70	0E	4	8.5	2.25
0.69	17.50	1.11	28.30	0.85	21.59	000	0	3.5	3.30
0.42	10.70	1.18	30.00	0.65	16.50	000	2	9	2.40
0.70	17.80	1.15	29.20	0.87	22.15	000	000	4.5	3.50
0.75	19.00	1.15	29.20	0.98	24.90	000	0	4	3.10
0.57	14.60	1.21	30.80	0.79	20.00	000	0	4	3.05
0.55	14.00	1.34	34.00	0.83	21.00	000	0	3	2.40
0.67	17.00	1.30	32.90	0.83	21.00	000	0	8	3.90
0.28	7.10	0.76	19.40	0.411	10.40	1	5	6	3.25
0.35	9.00	0.76	19.40	0.411	10.40	1	5	6	3.25
0.43	11.00	0.76	19.40	0.411	10.40	1	5	6	3.85
0.197	5.00	0.61	15.50	0.34	8.64	5	5	6	0.60
0.236	6.00	0.709	18.00	0.39	9.90	3	4	8	0.75
0.24	6.00	0.71	18.00	0.39	9.90	3	4	8	0.75
0.28	7.00	0.76	19.30	0.46	11.68	2	2	8	1.00
0.28	7.00	0.76	19.30	0.46	11.68	2	2	8	1.00
0.315	8.00	0.906	23.00	0.46	11.68	0	1	9	0.95
0.430	11.00	1.22	31.00	0.60	15.25	000	0	11	3.25
0.425	10.80	0.425	10.80	1.00	25.40	-	-	-	1.17
-	-	-	-	0.79	20.00	000	0	-	0.59
0.25	6.40	-	-	0.79	20.00	1	1	-	0.32
0.211	5.40	0.375	9.50	1.00	25.40	Tablet	-	-	0.55
0.31	7.70	0.38	9.50	1.00	25.40	Tablet	-	-	1.25
0.19	4.90	0.28	7.10	1.00	25.40	Tablet	-	-	0.60
0.26	6.70	0.39	9.91	1.00	25.40	Tablet	-	-	0.60
0.26	6.70	0.48	12.30	1.00	25.40	Tablet	-	-	0.60
0.15	3.80	0.46	11.75	1.00	25.40	Tablet	-	-	0.60
0.69	17.50	0.69	17.50	0.79	20.00	0	0	-	0.33
0.62	15.90	0.62	15.90	0.75	19.00	2	2	-	0.30
-	-	-	-	3.00	-	-	-	-	-

Note: Dimensions and weights above are for reference only and do not include tolerances. Actual part dimensions and weights may vary.

VESSELS

THE VESSEL

Good dissolution vessels are critical in obtaining correct and reproducible results and are sometimes overlooked as a key element in the dissolution test.

All vessels meet the physical dimensions of the USP and have a hemispherical bottom which means that they should be perfectly rounded with no obvious defects of the glass on the inside. Wall thicknesses should be even and reproducible.

Although the USP states the dimensions for vessels, the tolerances are actually quite wide, meaning vessels associated with various dissolution baths are not dimensionally the same. Replacing a vessel with one not specifically designed for the instrument could impair vessel centering and paddle height. Also, larger or smaller inside diameters can affect vessel hydrodynamics.

Note: QLA vessels are acid etched or laser-marked on plastic rim with a unique serial number and come with a Certificate of Conformance (COC), where applicable.

IMPROVE YOUR DISSOLUTION RESULTS WITH QLA ULTRACENTER™ PRECISION VESSELS



UltraCenter™ Precision Vessels are available in clear and amber, Glass Rim, Plastic Rim and Apex versions. QLA's molded Apex vessels are Patent Pending.

Small variations in vessel dimensions have been shown by the USP and others to contribute to excessive changes in dissolution rates. UltraCenter™ Precision Vessels are produced using a unique molded process which provides a precise and consistent inside diameter and spherical radius, resulting in a more reproducible dissolution profile. They are compatible with most dissolution baths and have been adopted as a standard by many major pharmaceutical companies.

When used in conjunction with QLA's AccuBracket™, your lab will achieve the highest level of vessel centering accuracy available. See Vessel Centering Section, page 62.

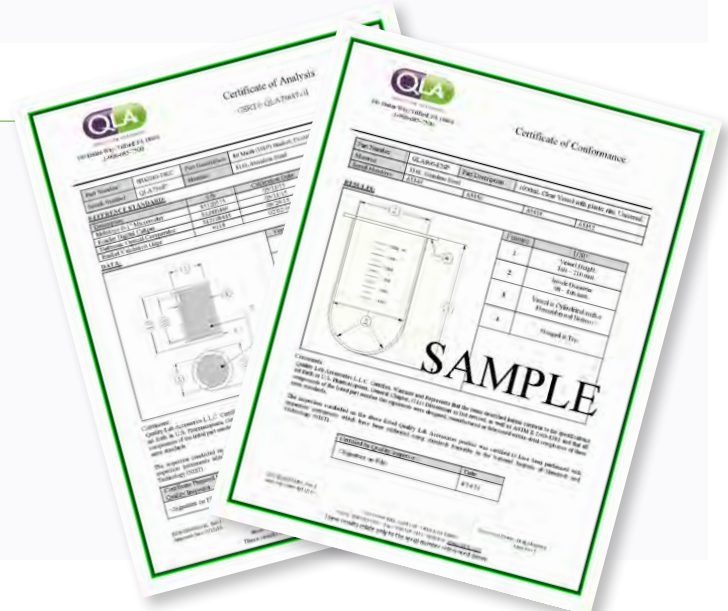
QLA CERTIFICATES

COC

All serialized QLA parts — like baskets, paddles and vessels — come with a Certificate of Conformance (COC) at no extra charge.

COA

Certificate of Analysis (COA) is available for all QLA serialized parts — like baskets, paddles and vessels — for an additional fee.



KEY CONSIDERATIONS

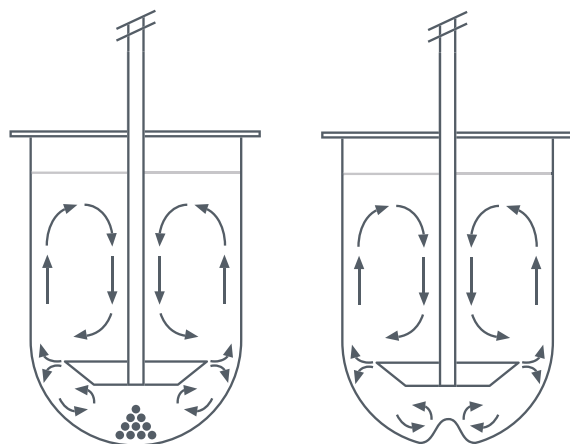
Glass Vessels benefit from good thermal conductivity (it is often necessary to have the temperature of the water bath as much as 2°C higher than the analysis temperature when using plastic vessels). Another advantage of using glass vessels is their high resistance to scratching, which means they have to be replaced less frequently.

Amber Vessels can be used if light-sensitive compounds are being tested. They are available in glass and plastic.

Plastic Vessels are very reproducible because they are made from a mold rather than hand formed. This reduces possible errors in setting the paddle height and centering. They also have feet which allows them to stand upright independently. The biggest disadvantage is that plastic is very prone to scratching and cracking, requiring frequent replacement.

Plastic Rim Vessels were developed to help minimize glass rim breakage that can occur during normal laboratory use. They are produced by a unique proprietary bonding method using high impact plastic which eliminates rim breakage and safety concerns. All QLA Plastic Rim Vessels are dishwasher safe. Plastic Rim Vessels come in both Standard and UltraCenter™ Precision versions. Serial numbers are laser-marked on the plastic rim only.

Apex Vessels are designed to prevent cone formation at the base of the vessel. An undesirable, poorly stirred cone shaped region can develop under the paddle during USP Apparatus 2 dissolution tests. Apex vessels have a cone shape molded into the bottom of the vessel that improves the hydrodynamics around the dosage form and leads to more reproducible dissolution rates. The peak effectively displaces the unstirred cone, forcing the material tested into the region of appropriate hydrodynamics, where all surfaces of the dosage are constantly and uniformly exposed to the moving medium. Apex vessels do not comply with USP specifications and cannot be substituted in existing applications.



Conventional Vessel

Apex Vessel



Glass Vessel



Amber Vessel



Plastic Vessel



Plastic Rim Vessel



Apex Vessel

QLA's UltraCenter™ Precision Apex vessels are Patent Pending.

AGILENT COMPATIBLE

(Includes legacy VanKel)

UltraCenter™ Precision Vessels:**ASTM900-UN**

1000mL Clear UltraCenter™ Precision Glass Vessel, Serialized

QLA

OEM Ref

**ASTM900-UNAM**

1000mL Amber UltraCenter™ Precision Glass Vessel, Serialized

QLA

OEM Ref

**ASTM900-UNP**

1000mL Clear UltraCenter™ Precision Glass Vessel w/Plastic Rim, Serialized

QLA

OEM Ref

**ASTM900-AUNP**

1000mL Amber UltraCenter™ Precision Glass Vessel w/Plastic Rim, Serialized

QLA

OEM Ref

**ASTM900-VK**

1000mL Clear UltraCenter™ Precision Glass Vessel for V-Series/Magnetic Collar Bracket, Magnetic Collar not included, Serialized

QLA

OEM Ref

**ASTM900-AVK**

1000mL Amber UltraCenter™ Precision Glass Vessel for V-Series/Magnetic Collar Bracket, Magnetic Collar not included, Serialized

QLA

OEM Ref

**ASTM9PK-UNP**

1000mL Clear UltraCenter™ Precision Glass Apex Vessel w/Plastic Rim, Serialized

QLA

OEM Ref

**ASTM9PK-AUNP**

1000mL Amber UltraCenter™ Precision Glass Apex Vessel w/Plastic Rim, Serialized

QLA

OEM Ref

Standard Vessels:**GLA100-VK**

100mL Clear Glass Vessel, Serialized

12-5040

OEM Ref

**GLA100-AV**

100mL Amber Glass Vessel, Serialized

12-5041

OEM Ref

**GLA200-VK**

200mL Clear Glass Vessel for Agilent/VanKel Small Volume Only, Serialized

12-5050

OEM Ref

**GLA200-AV**

200mL Amber Glass Vessel for Agilent/VanKel Small Volume Only, Serialized

12-5051

OEM Ref

**GLA250-CP**

250mL Clear Glass Vessel for QLA design Chinese Pharmacopeia Small Volume Assembly (SMVASSY-xxCP), Serialized

QLA

OEM Ref

**GLA250-ACP**

250mL Amber Glass Vessel for QLA design Chinese Pharmacopeia Small Volume Assembly (SMVASSY-xxCP), Serialized

QLA

OEM Ref

**GLA500-01**

500mL Clear Glass Vessel, Serialized

12-5060

OEM Ref

**GLA500-AV**

500mL Amber Glass Vessel, Serialized

QLA

OEM Ref

**GLA500-UNP**

500mL Clear Glass Vessel w/Plastic Rim, Serialized

QLA

OEM Ref

**GLA500-AUNP**

500mL Amber Glass Vessel w/Plastic Rim, Serialized

QLA

OEM Ref

**GLA900-01**

1000mL Clear Glass Vessel, Serialized

12-5000

OEM Ref

**GLA900-AV**

1000mL Amber Glass Vessel, Serialized

12-5010

OEM Ref

**GLA900-UNP**

1000mL Clear Glass Vessel w/Plastic Rim, Serialized

QLA

OEM Ref

**GLA900-AUNP**

1000mL Amber Glass Vessel w/Plastic Rim, Serialized

QLA

OEM Ref

**GLA900-VK**

1000mL Clear Glass Vessel for V-Series/ Magnetic Collar Bracket, Magnetic Collar not included, Serialized

12-5035

OEM Ref

**GLA900-AVK**

1000mL Amber Glass Vessel for V-Series/ Magnetic Collar Bracket, Magnetic Collar not included, Serialized

12-5120

OEM Ref

**GLA9TF-01**

1000mL PTFE Coated Glass Vessel, Serialized

QLA

OEM Ref

**GLA9TF-VK**

1000mL PTFE Coated Glass Vessel for V-Series/ Magnetic Collar Bracket, Magnetic Collar not included, Serialized

QLA

OEM Ref

**GLA9TF-UNP**

1000mL PTFE Coated Glass Vessel w/Plastic Rim, Serialized (MOQ 6 pcs)

QLA

OEM Ref

**GLA9PK-01**

1000mL Clear Glass Apex Vessel, Serialized

12-5500

OEM Ref

**GLA9PK-AV**

1000mL Amber Glass Apex Vessel, Serialized

12-5505

OEM Ref

**GLA9PK-UNP**

1000mL Clear Glass Apex Vessel w/Plastic Rim, Serialized

QLA

OEM Ref

**GLA9PK-AUNP**

1000mL Amber Glass Apex Vessel w/Plastic Rim, Serialized

QLA

OEM Ref

**GLA9PK-VK**

1000mL Clear Glass Apex Vessel for V-Series/ Magnetic Collar Bracket, Magnetic Collar not included, Serialized

12-5125

OEM Ref

**PLA900-01**

1000mL Clear
Plastic Footed
Vessel

12-5200

OEM Ref

**PLA900-AV**

1000mL Amber
Plastic Footed
Vessel

QLA

OEM Ref

**GLA02K-01**

2000ml Clear
Glass Vessel,
Serialized

12-5070

OEM Ref

**GLA02K-UNP**

2000mL Clear
Glass Vessel
w/Plastic Rim,
Serialized

QLA

OEM Ref

**GLA02KPK-01**

2000mL Clear
Glass Apex
Vessel, Serialized

QLA

OEM Ref

**ACCUBKT-VK**

AccuCenter
Bracket includes
316 SS hardware
(Legacy VanKel
and 708-DS
baths)

QLA

OEM Ref

**EZLBKT-01**

Vessel Centering
Bracket with 6
Replaceable Pins
(Legacy VanKel
baths)

12-6050

OEM Ref

**EZLKIT-01**

Vessel Centering
Bracket Repair
Kit (Set of 12
Pins)

QLA

OEM Ref

**EZLPEG-01**

Vessel Centering
Bracket Peg

12-6065

OEM Ref

**KNOB-708**

Vessel Clamp
Knob for
708/709-DS
baths (Set of 2)

QLA

OEM Ref

CALEVA COMPATIBLE**Standard Vessels:****GLA900-CA**

1000mL Clear
Glass Vessel,
Serialized

0810004

OEM Ref

**GLA900-AC**

1000mL Amber
Glass Vessel,
Serialized

0810009

OEM Ref

COPLEY COMPATIBLE**UltraCenter™
Precision Vessels:****ASTM900-COPLEY**

1000mL Clear
UltraCenter™
Precision Glass
Vessel, Serialized

QLA

OEM Ref

**GLA900-COP**

1000mL Clear
Glass Vessel,
Serialized

QLA

OEM Ref

**GLA900-ACOP**

1000mL Amber
Glass Vessel,
Serialized

QLA

OEM Ref

**GLA9PK-COP**

1000mL Clear
Glass Apex
Vessel, Serialized

QLA

OEM Ref

DISTEK COMPATIBLE**UltraCenter™ Precision Vessels:**

ASTM900-UN
1000mL Clear
UltraCenter™
Precision Glass
Vessel, Serialized

QLA
OEM Ref



ASTM900-UNAM
1000mL Amber
UltraCenter™
Precision Glass
Vessel,
Serialized

QLA
OEM Ref



ASTM900-UNP
1000mL Clear
UltraCenter™
Precision Glass
Vessel w/Plastic
Rim, Serialized

QLA
OEM Ref



ASTM900-AUNP
1000mL Amber
UltraCenter™
Precision Glass
Vessel w/Plastic
Rim, Serialized

QLA
OEM Ref



ASTM9PK-UNP
1000mL Clear
UltraCenter™
Precision Glass
Apex Vessel w/
Plastic Rim,
Serialized

QLA
OEM Ref



ASTM9PK-AUNP
1000mL Amber
UltraCenter™
Precision Glass
Apex Vessel w/
Plastic Rim,
Serialized

QLA
OEM Ref

Standard Vessels:

GLA050-DK
50mL Clear
Glass Vessel for
Distek & QLA
Small Volume,
Serialized

QLA
OEM Ref



GLA050-AD
50mL Amber
Glass Vessel for
Distek & QLA
Small Volume,
Serialized

QLA
OEM Ref



GLA100-DK
100mL Clear
Glass Vessel for
Distek & QLA
Small Volume,
Serialized

QLA
OEM Ref



GLA100-AD
100mL Amber
Glass Vessel for
Distek & QLA
Small Volume,
Serialized

QLA
OEM Ref



GLA100PK-DK
100mL Clear
Glass Apex
Vessel for
Distek & QLA
Small Volume,
Serialized

QLA
OEM Ref



GLA200-DK
200mL Clear
Glass Vessel for
Distek & QLA
Small Volume,
Serialized

QLA
OEM Ref



GLA200-AD
200mL Amber
Glass Vessel for
Distek & QLA
Small Volume,
Serialized

QLA
OEM Ref



GLA250-CP
250mL Clear
Glass Vessel
for QLA design
Chinese
Pharmacopoeia
Small Volume
Assembly
(SMVASSY-xxCP),
Serialized

QLA
OEM Ref

**GLA250-ACP**

250mL Amber Glass Vessel for QLA design Chinese Pharmacopeia Small Volume Assembly (SMVASSY-xxCP), Serialized

QLA

OEM Ref

**GLA250-DKCP**

250mL Clear Glass Vessel for Distek Chinese Pharmacopeia Small Volume Assembly, Serialized

3010-0090

OEM Ref

**GLA250PK-DKCP**

250mL Clear Glass Apex Vessel for Distek Chinese Pharmacopeia Small Volume Assembly, Serialized

QLA

OEM Ref

**GLA500-DK**

500mL Clear Glass Vessel, No Ring

3010-0040

OEM Ref

**GLA500-AV**

500mL Amber Glass Vessel, No Ring

3010-0040-AMB

OEM Ref

**GLA500-UNP**

500mL Clear Glass Vessel w/Plastic Rim, Serialized

QLA

OEM Ref

**GLA500-AUNP**

500mL Amber Glass Vessel w/Plastic Rim, Serialized

QLA

OEM Ref

**GLA900-DK**

1000mL Clear Glass Vessel, No Ring, Serialized

QLA

OEM Ref

**GLA900-DKP**

1000mL Clear Premier Glass Vessel, No Ring, Serialized

3010-0096

OEM Ref

**GLA900-AD**

1000mL Amber Glass Vessel, No Ring, Serialized

QLA

OEM Ref

**GLA900-DKAP**

1000mL Amber Premier Glass Vessel, No Ring, Serialized

QLA

OEM Ref

**GLA9CR-DK**

1000mL Clear Glass Vessel w/Acculign Ring, Serialized

3010-0093

OEM Ref

**GLA9CR-AD**

1000mL Amber Glass Vessel w/Acculign Ring, Serialized

3010-0023

OEM Ref

**GLA900-UNP**

1000mL Clear Glass Vessel w/Plastic Rim, Serialized

QLA

OEM Ref

**GLA900-AUNP**

1000mL Amber Glass Vessel w/Plastic Rim, Serialized

QLA

OEM Ref

**GLA9TF-DK**

1000mL PTFE Coated Glass Vessel, No Ring, Serialized

3010-0002-T

OEM Ref

**GLA9TF-UNP**

1000mL PTFE Coated Glass Vessel w/Plastic Rim, Serialized (MOQ 6 pcs)

QLA

OEM Ref

**GLA9PK-DK**

1000mL Clear Glass Apex Vessel w/Acculign Ring, Serialized

3010-0550

OEM Ref

**GLA9PK-AD**

1000mL Amber Glass Apex Vessel w/Acculign Ring, Serialized

3010-0550-AMB

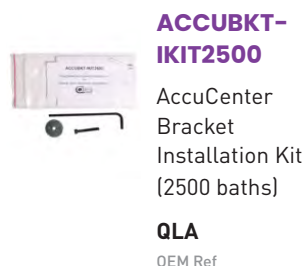
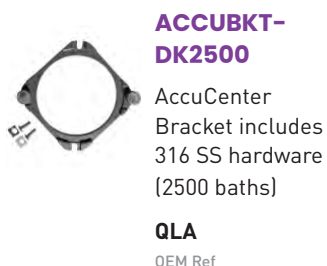
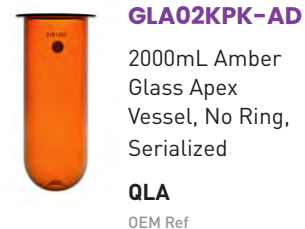
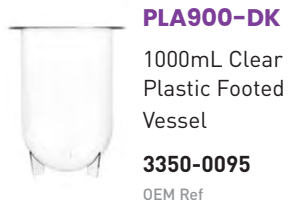
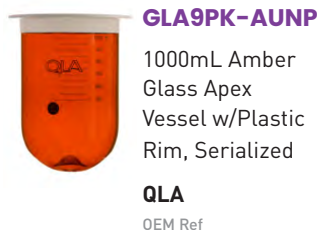
OEM Ref

**GLA9PK-UNP**

1000mL Clear Glass Apex Vessel w/Plastic Rim, Serialized

QLA

OEM Ref



ELECTROLAB COMPATIBLE**Standard Vessels:****GLA100-EL**

100mL Clear Glass Vessel for QLA Small Volume for Electrolab, Serialized

QLA
OEM Ref

**GLA100-AEL**

100mL Amber Glass Vessel for QLA Small Volume for Electrolab, Serialized

QLA
OEM Ref

**GLA900-EL**

1000mL Clear Glass Vessel, Serialized

0104A00004;
0104A00398
OEM Ref

**GLA900-AEL**

1000mL Amber Glass Vessel, Serialized

0103A00005
OEM Ref

**GLA9PK-EL**

1000mL Clear Glass Apex Vessel, Serialized

0103A00010;
0104A00010
OEM Ref

**GLA9PK-AEL**

1000mL Amber Glass Apex Vessel, Serialized

0104A00011
OEM Ref

ERWEKA COMPATIBLE**UltraCenter™ Precision Vessels: Must use with QLA Part# RING-UCEW****ASTM900-UN**

1000mL Clear UltraCenter™ Precision Glass Vessel, Serialized

QLA
OEM Ref

**ASTM900-UNAM**

1000mL Amber UltraCenter™ Precision Vessel, Serialized

QLA
OEM Ref

**ASTM900-UNP**

1000mL Clear UltraCenter™ Precision Glass Vessel w/Plastic Rim, Serialized

QLA
OEM Ref

**ASTM900-AUNP**

1000mL Amber UltraCenter™ Precision Glass Vessel w/Plastic Rim, Serialized

QLA
OEM Ref

**ASTM9PK-UNP**

1000mL Clear UltraCenter™ Precision Glass Apex Vessel w/Plastic Rim, Serialized

QLA
OEM Ref

**ASTM9PK-AUNP**

1000mL Amber UltraCenter™ Precision Glass Apex Vessel w/Plastic Rim, Serialized

QLA
OEM Ref

ERWEKA COMPATIBLE**Standard Vessels:****GLA100-EW**

100mL Clear
Glass Vessel,
Serialized

QLA
OEM Ref

**GLA400-EW**

400mL Clear
Glass Vessel,
Serialized

18373
OEM Ref

**GLA400-AEW**

400mL Amber
Glass Vessel,
Serialized

18374
OEM Ref

**GLA500-EW**

500mL Clear
Glass Vessel,
Serialized

QLA
OEM Ref

**GLA900-EW**

1000mL Clear
Glass Vessel,
Serialized

80-000-1002
OEM Ref

**GLA900-AEW**

1000mL Amber
Glass Vessel,
Serialized

80-000-1004
OEM Ref

**GLA900-EWP**

1000mL Clear
Glass Vessel
w/Plastic Rim,
Serialized

QLA
OEM Ref

**GLA9PK-EW**

1000mL Clear
Glass Apex
Vessel, Serialized

QLA
OEM Ref

**GLA9PK-AEW**

1000mL Amber
Glass Apex
Vessel, Serialized

QLA
OEM Ref

**PLA900-EW**

1000mL Clear
Plastic Footed
Vessel

QLA
OEM Ref

**GLA02K-EW**

2000mL Clear
Glass Vessel,
Serialized

80-000-2002
OEM Ref

**RING01-EW**

Black Centering
Hold Down Ring
with 2 locking
pins (old style)

91-000-3000
OEM Ref

**RING-UCEW**

Vessel Hold
Down Ring for
UltraCenter™ &
Standard Vessels
(DT baths)

QLA
OEM Ref

TELEDYNE HANSON COMPATIBLE**UltraCenter™ Precision Vessels for SR8-Plus:****ASTM900-UN**

1000mL Clear
UltraCenter™
Precision Glass
Vessel, Serialized

QLA
OEM Ref

**ASTM900-UNAM**

1000mL Amber
UltraCenter™
Precision
Glass Vessel,
Serialized

QLA
OEM Ref

**ASTM900-UNP**

1000mL Clear
UltraCenter™
Precision Glass
Vessel w/Plastic
Rim, Serialized

QLA
OEM Ref

**ASTM900-AUNP**

1000mL Amber
UltraCenter™
Precision Glass
Vessel w/Plastic
Rim, Serialized

QLA
OEM Ref



ASTM9PK-UNP
1000mL Clear UltraCenter™ Precision Glass Apex Vessel w/ Plastic Rim, Serialized

QLA
OEM Ref



ASTM9PK-AUNP
1000mL Amber UltraCenter™ Precision Glass Apex Vessel w/ Plastic Rim, Serialized

QLA
OEM Ref

Standard Vessels for SR8-Plus:



GLA150-HR
150mL Clear Glass Vessel for SR8-Plus Small Volume, Serialized

72-600-573
OEM Ref



GLA150-AH
150mL Amber Glass Vessel for SR8-Plus Small Volume, Serialized

72-600-583
OEM Ref



GLA500-HR
500mL Clear Glass Vessel

QLA
OEM Ref



GLA500-UNP
500mL Clear Glass Vessel w/Plastic Rim, Serialized

QLA
OEM Ref



GLA500-AUNP
500mL Amber Glass Vessel w/Plastic Rim, Serialized

QLA
OEM Ref



GLA900-HR
1000mL Clear Glass Vessel, Serialized

72-600-510
OEM Ref



GLA900-AH
1000mL Amber Glass Vessel, Serialized

72-600-556
OEM Ref



GLA900-UNP
1000mL Clear Glass Vessel w/Plastic Rim, Serialized

QLA
OEM Ref



GLA900-AUNP
1000mL Amber Glass Vessel w/Plastic Rim, Serialized

QLA
OEM Ref



GLA9TF-UNP
1000mL PTFE Coated Glass Vessel w/Plastic Rim, Serialized (MOQ 6 pcs)

QLA
OEM Ref



GLA9PK-HR
1000mL Clear Glass Apex Vessel w/Ring, Serialized

95-590-047
OEM Ref



GLA9PK-AH
1000mL Amber Glass Apex Vessel w/Ring, Serialized

95-590-048
OEM Ref



GLA9PK-UNP
1000mL Clear Glass Apex Vessel w/Plastic Rim, Serialized

QLA
OEM Ref



GLA9PK-AUNP
1000mL Amber Glass Apex Vessel w/Plastic Rim, Serialized

QLA
OEM Ref



PLA900-HR
1000mL Clear Plastic Footed Vessel

91-030-003
OEM Ref



PLA900-AH
1000mL Amber Plastic Footed Vessel

QLA
OEM Ref

**GLA02K-HR**

2000ml Clear Glass Vessel, Serialized

72-600-509

OEM Ref

**GLA02K-AHR**

2000ml Amber Glass Vessel, Serialized

72-600-580

OEM Ref

**GLA02K-UNP**

2000mL Clear Glass Vessel w/Plastic Rim, Serialized

QLA

OEM Ref

**ACCUBKT-HR**

AccuCenter Bracket includes 316 SS hardware (SR8-Plus baths)

73-101-519

OEM Ref

**RING01-HR**

Baseplate Centering Ring (SR8-Plus baths)

73-100-550

OEM Ref

**KNOB-HR**

Vessel Clamp Knob for SR8-Plus baths (Set of 2)

QLA

OEM Ref

UltraCenter™ Precision Vessels for Vision:**ASTM900-HRV**

1000mL Clear UltraCenter™ Precision Glass Easi-Lock™ Vessel, Serialized

74-104-121

OEM Ref

**ASTM900-AHRV**

1000mL Amber UltraCenter™ Precision Glass Easi-Lock™ Vessel, Serialized

74-104-122

OEM Ref

Standard Vessels for Vision:**GLA150-HRV**

150mL Clear Glass Vessel for Hanson Vision Small Volume Assembly, Serialized

74-105-151

OEM Ref

**GLA150-AHRV**

150mL Amber Glass Vessel for Hanson Vision Small Volume Assembly, Serialized

74-105-161

OEM Ref

**GLA250-HRV**

250mL Clear Glass Vessel for Hanson Chinese Pharmacopeia Small Volume Assembly, Serialized

74-105-280

OEM Ref

**GLA250PK-HRV**

250mL Clear Glass Apex Vessel for Hanson Chinese Pharmacopeia Small Volume Assembly, Serialized

QLA

OEM Ref

**GLA500-HRV**

500mL Clear Glass Easi-Lock™ Vessel, Serialized (No Graduation Lines)

QLA

OEM Ref

**GLA900-HRV**

1000mL Clear Glass Easi-Lock™ Vessel, Serialized

74-104-101

OEM Ref

**GLA900-AHRV**

1000mL Amber Glass Easi-Lock™ Vessel, Serialized

74-104-102

OEM Ref

**GLA9FB-HRV**

1000mL Clear Glass Easi-Lock™ Vessel with flat bottom, Serialized

QLA

OEM Ref

**GLA9TF-HRV**

1000mL PTFE Coated Glass Easi-Lock™ Vessel, Serialized (MOQ 6 pcs)

QLA

OEM Ref

**GLA9PK-HRV**

1000mL Clear Glass Apex Easi-Lock™ Vessel, Serialized

74-104-131

OEM Ref

**GLA9PK-AHRV**

1000mL Amber Glass Apex Easi-Lock™ Vessel, Serialized

74-104-132

OEM Ref

**GLA02K-HRV**

2000mL Clear Glass Easi-Lock™ Vessel, Serialized

74-104-111

OEM Ref

**GLA02K-AHRV**

2000mL Amber Glass Easi-Lock™ Vessel, Serialized

74-104-112

OEM Ref

**GLA02KPK-HRV**

2000mL Clear Glass Apex Easi-Lock™ Vessel for Hanson Vision, Serialized

QLA

OEM Ref

Standard Vessels for CD14:**GLA500-HRCD**

500mL Clear Glass Easi-Lock™ Vessel, Serialized

QLA

OEM Ref

**GLA900-HRCD**

1000mL Clear Glass Easi-Lock™ Vessel, Serialized

75-107-101

OEM Ref

**GLA900-AHRCD**

1000mL Amber Glass Easi-Lock™ Vessel, Serialized

75-107-102

OEM Ref

**GLA9PK-HRCD**

1000mL Clear Glass Apex Easi-Lock™ Vessel for Hanson CD14, Serialized

QLA

OEM Ref

**GLA9PK-AHRCD**

1000mL Amber Glass Apex Easi-Lock™ Vessel for Hanson CD14, Serialized

QLA

OEM Ref

***Please note** that Teledyne Hanson Vision and CD14 vessels do not have graduation lines. If you require graduation lines on these vessels then speak with your Sales Rep.

LOGAN COMPATIBLE**Standard Vessels:****GLA900-LG**

1000mL Clear Glass Vessel, No Ring, Serialized

800-0124/ 800-0124P

OEM Ref

**GLA900-ALG**

1000mL Amber Glass Vessel, No Ring, Serialized

QLA

OEM Ref

**GLA9PK-LG**

1000mL Clear Glass Apex Vessel w/ Centering Ring, Serialized

800-0140

OEM Ref

**CNTRNG-LG**

Vessel Centering Ring

800-0069

OEM Ref

QLA UltraCenter™ Precision and Standard Vessels

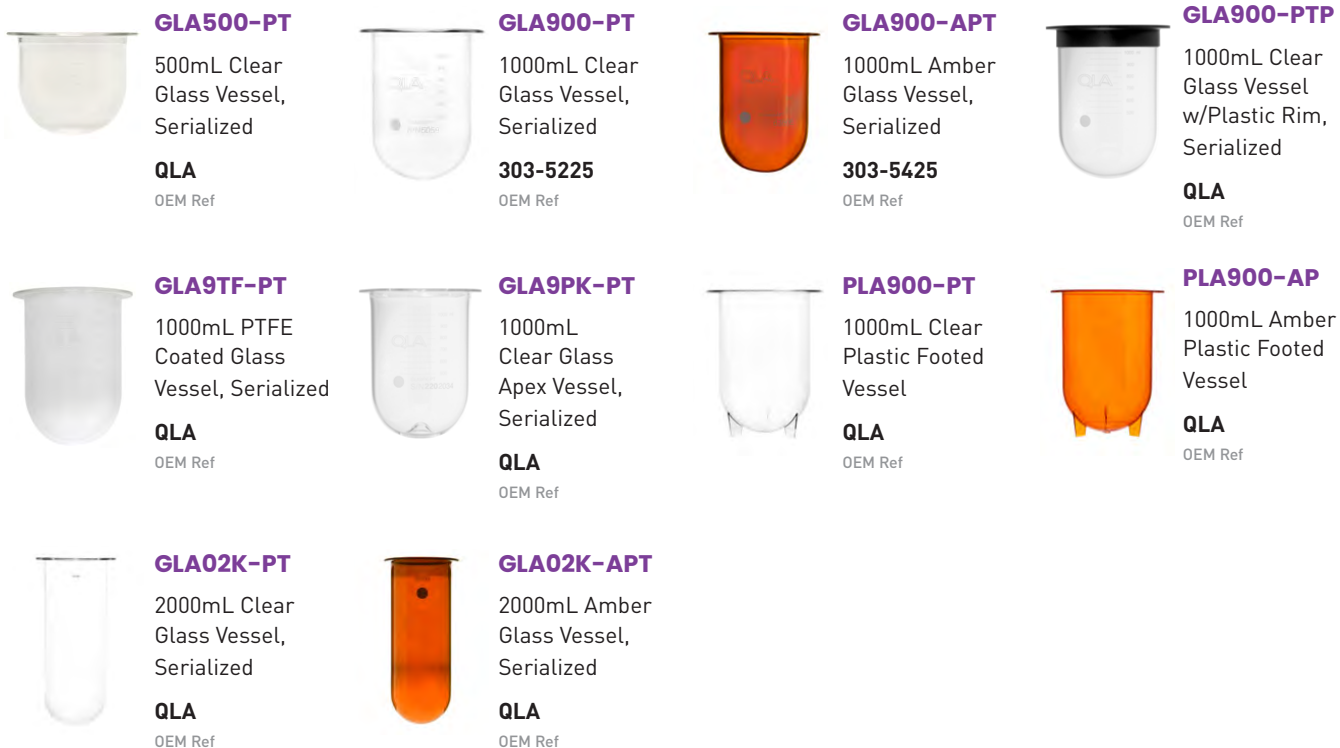
are available in clear and amber, Glass Rim, Plastic Rim and Apex versions. QLA's molded Apex vessels are Patent Pending.



PHARMATEST COMPATIBLE

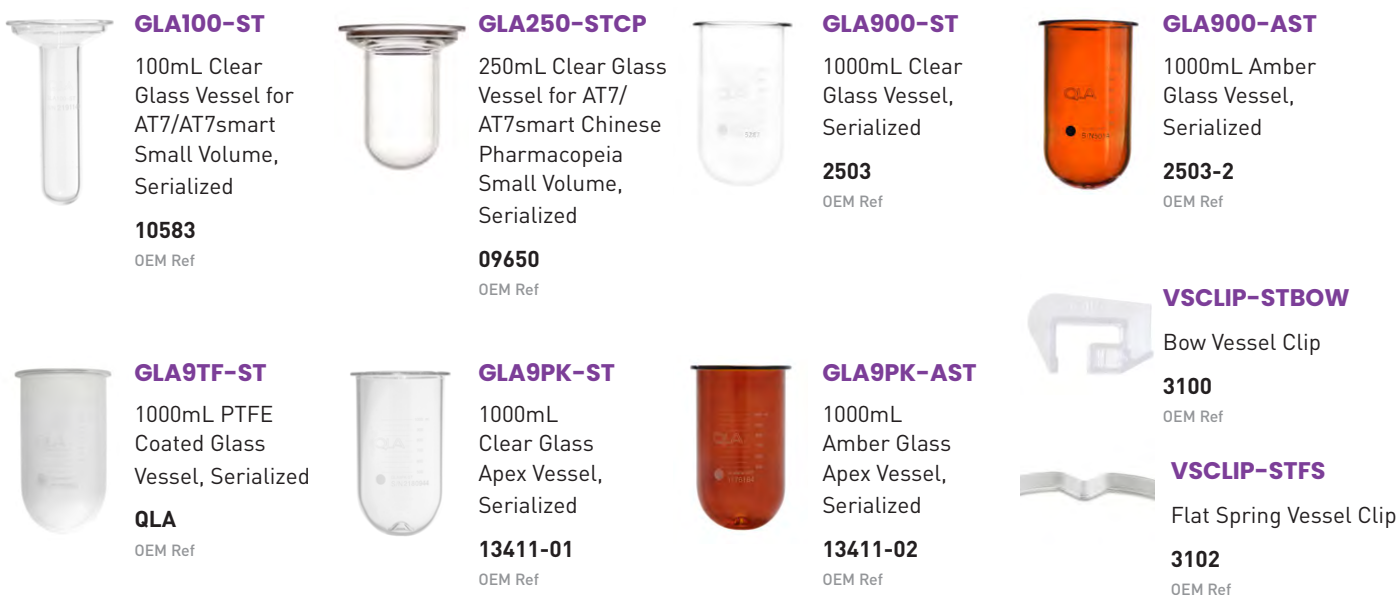
UltraCenter™ Precision Vessels: Please speak with your Sales Representative.

Standard Vessels: Vessels do not fit PTWS 5310

**SOTAX COMPATIBLE**

UltraCenter™ Precision Vessels for AT7 and AT7smart: Please speak with your Sales Representative.

Standard Vessels for AT7 and AT7smart:



UltraCenter™ Precision Vessels for Xtend™:

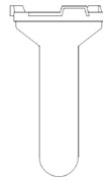


ASTM900-STX

1000mL Clear UltraCenter™ Precision Glass Vessel, Serialized

QLA
OEM Ref

Standard Vessels For Xtend™:



GLA100-STX

100mL Clear Glass Vessel for Xtend™ Small Volume, Serialized

QLA
OEM Ref



GLA250-STXCP

250mL Clear Glass Vessel for Xtend™ Chinese Pharmacopeia Small Volume, Serialized

14536-01
OEM Ref



GLA900-STX

1000mL Clear Glass Vessel, Serialized

14143-01
OEM Ref



GLA900-ASTX

1000mL Amber Glass Vessel, Serialized

QLA
OEM Ref



GLA9PK-STX

1000mL Clear Glass Apex Vessel, Serialized

QLA
OEM Ref



GLA9PK-ASTX

1000mL Amber Glass Apex Vessel, Serialized

QLA
OEM Ref



GLA02K-STX

2000mL Clear Glass Vessel, Serialized

14143-04
OEM Ref



GLA02K-ASTX

2000mL Amber Glass Vessel, Serialized

14143-05
OEM Ref

TOYAMA COMPATIBLE

Standard Vessels:



GLA900-TOY

1000mL Clear Glass Vessel, Serialized

QLA
OEM Ref



GLA900-ATOY

1000mL Amber Glass Vessel, Serialized

QLA
OEM Ref



Are You Getting the REAL DEAL?

When you purchase from an unauthorized distributor, we cannot guarantee you are receiving authentic QLA products.

Look for the QLA holographic label on our packaging to ensure that you are buying **GENUINE QLA ACCESSORIES.**

Universal Vessel Stands

For the safe transportation and storage of vessels

Due to their shape, dissolution vessels are difficult to hold securely. This can often result in scratched, chipped or even smashed vessels.

The noncorrosive rigid ABS plastic stands are available in 6 or 8 vessel capacities and can hold vessels from any dissolution bath manufacturer.

They can also be stacked together to save bench space and enable you to transport many vessels at a time.

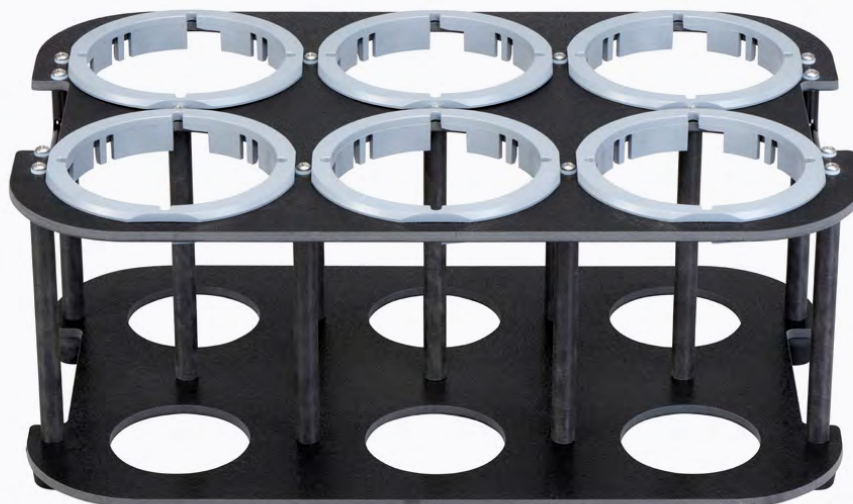
Part No.	Description	OEM Ref
VESSTD-06H	6 Position Vessel Stand, Universal	QLA
VESSTD-08H	8 Position Vessel Stand, Universal	QLA
VESSTD-06HRV	6 Position Vessel Stand for Hanson Vision Vessels	QLA
VESSTD-08HRV	8 Position Vessel Stand for Hanson Vision Vessels	QLA



VESSTD-06H



VESSTD-08H



VESSTD-06HRV

VESSEL COVERS

THE VESSEL COVER

The loss of media due to evaporation can be considerable. Vessel Covers should reduce these problems and provide openings to accommodate cannulas and stoppers. Cover styles include all common one-piece and hinged covers, as well as a unique rotary configuration.

KEY CONSIDERATIONS

Evaporation losses are reduced by using vessel covers with a minimal open area during the test. Slots and holes for temperature verification, sample introduction and sample collection should be closed when not in use. These losses are further reduced when using conical-shaped low evaporation covers.

Cannulas Stoppers — Cannulas can be used with stoppers during manual sampling to ensure that the sample is always taken from the same depth.

Vessel covers must have the appropriate hole for the stopper (which is attached to the cannula) to sit in. The stopper and cannula must match the vessel cover type. See page 64 for Sampling Cannula and Stoppers.

AGILENT COMPATIBLE

(Includes legacy VanKel)



COVERV-00

Low Evaporation Rotary Cover for VanKel Centering Bracket

QLA

OEM Ref



COVERV-01

Clear Cover with Paddle Slot for VanKel Centering Bracket

12-6300

OEM Ref



COVERV-02

Amber Cover with Paddle Slot for VanKel Centering Bracket

12-6320

OEM Ref



COVERV-03

Clear Solid Cover for VanKel Centering Bracket

12-6330

OEM Ref



COVERV-04

Clear Cover for Dosage Delivery Module for VanKel Centering Bracket

12-6310

OEM Ref



COVERV-HG

Low Evaporation Clear Hinged Cover for VanKel Centering Bracket

QLA

OEM Ref



COVERV-01SB

Clear Cover with Paddle Slot & Extra Hole for Stationary Basket & Float-A-Lyzer® for VanKel Centering Bracket

QLA

OEM Ref



COVHGV-SB

Clear Hinged Cover with Extra Hole for Stationary Basket & Float-A-Lyzer® for VanKel Centering Bracket

QLA

OEM Ref



COVERV-LL

Low Evaporation Clear Conical Cover for VanKel Centering Bracket

12-0469

OEM Ref



COVERV-LLHG

Low Evaporation Clear Hinged Conical Cover for VanKel Centering Bracket

12-6328

OEM Ref



COVERV-LLSB

Low Evaporation Clear Conical Cover with Extra Hole for Stationary Basket & Float-A-Lyzer® for VanKel Centering Bracket

QLA

OEM Ref



COVERV-LLVS

Low Evaporation Clear Hinged Conical Cover for Magnetic Collar Bracket

12-6327

OEM Ref





COVERV-LLVSB

Low Evaporation Clear Hinged Conical Cover with Extra Hole for Stationary Basket & Float-A-Lyzer® for Magnetic Collar Bracket

QLA
OEM Ref



COVDFO-LLVS

Low Evaporation Clear Hinged Conical Cover with Opt-Diss Standard Size Arch Probe Slot for Magnetic Collar Bracket

QLA
OEM Ref



COVERV-LLVSV

Low Evaporation Clear Hinged Conical Cover for V-Series Baths (7020 and 7025)

QLA
OEM Ref



COVERV-LLVSVSB

Low Evaporation Clear Hinged Conical Cover with Extra Hole for Stationary Basket & Float-A-Lyzer® for V-Series Baths (7020 and 7025)

QLA
OEM Ref



COVERV-708

Clear Hinged Cover for Agilent 708/709-DS

QLA
OEM Ref



COVERV-708SB

Gray Hinged Cover & Extra Hole for Stationary Basket & Float-A-Lyzer® for Agilent 708/709-DS

QLA
OEM Ref



COVCAP-708

Tablet Dispenser Cap for COVERV-708

QLA
OEM Ref



010-20-456

Black Small Cap for COVERV-708 and Agilent 708-DS Cover (Pack of 100)

12-6365
OEM Ref



COVERV-6K

Clear Cover for VK 600/6000

12-6200
OEM Ref



ACCUCVR-LLV

Low Loss Evaporation Clear Hinged Conical Cover for ACCUBKT-VK & VK auto-sampler

QLA
OEM Ref



ACCUCVR-ALLV

Low Loss Evaporation Gray Hinged Conical Cover for ACCUBKT-VK & VK auto-sampler

QLA
OEM Ref



COVERD-01VKBKT

Clear Hinged Cover with Paddle Slot for ACCUBKT-VK & VK auto-sampler

QLA
OEM Ref

DISTEK COMPATIBLE



COVERD-00

Low Evaporation Rotary Cover

QLA
OEM Ref



COVERD-01

Clear Hinged Cover

2800-0889
OEM Ref



COVERD-02

Amber Hinged Cover

QLA
OEM Ref



COVERD-04

Black Polypropylene Hinged Cover with Small Center Hole

2800-0854
OEM Ref

**COVERD-BK**

Clear Hinged Cover with Large Center Hole for Easy Basket Access, includes Cap

2800-0870

OEM Ref

**COVERAD-BK**

Amber Hinged Cover with Large Center Hole for Easy Basket Access, includes Cap

QLA

OEM Ref

**COVCAP-BK**

Clear Cap for COVERD-BK cover

2800-0055

OEM Ref

**COVCAP-AD**

Amber Cap for COVERAD-BK cover

QLA

OEM Ref

**COVERD-HG**

Low Evaporation Clear Hinged Cover

QLA

OEM Ref

**COVDHG-SB**

Clear Hinged Cover with Extra Hole for Stationary Basket & Float-A-Lyzer®

2800-0881

OEM Ref

**COVADHG-SB**

Amber Hinged Cover with Extra Hole for Stationary Basket & Float-A-Lyzer®

QLA

OEM Ref

**COVDFO-DKBK**

Clear Hinged Cover with Opt-Diss Standard Size Arch Probe Slot and Large Center Hole, includes Cap

QLA

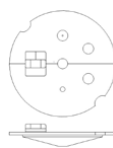
OEM Ref

**ACCUCVR-DK**

Low Loss Evaporation Clear Hinged Conical Cover for ACCUBKT-DK/DK2500

QLA

OEM Ref

**ACCUCVR-DKSB**

Low Loss Evaporation Clear Hinged Conical Cover with Extra Hole for Stationary Basket & Float-A-Lyzer® for ACCUBKT-DK/DK2500

QLA

OEM Ref

**COVPLG-DK**

Probe Hole Plugs for Distek Covers

5720-4037

OEM Ref

**HINGE-DK**

Plastic Hinge for Distek Covers

5560-6011

OEM Ref

TELEDYNE HANSON COMPATIBLE

SR8-PLUS

**COVERH-00**

Low Evaporation Rotary Cover

65-233-170

OEM Ref

**COVERH-01**

Clear Cover with Paddle Slot

72-500-215

OEM Ref

**COVERH-02**

Gray Cover with Paddle Slot

72-800-603

OEM Ref

**COVERH-03**

Amber Cover with Paddle Slot

QLA

OEM Ref

**COVERH-04**

Clear Solid Cover

QLA

OEM Ref

**COVERH-HG**

Low Evaporation Clear Hinged Cover

95-590-046

OEM Ref

**COVHGH-SB**

Clear Hinged Cover with Extra Hole for Stationary Basket & Float-A-Lyzer®

QLA

OEM Ref

**COVERH-LL**

Low Evaporation Clear Conical Cover

QLA

OEM Ref

TELEDYNE HANSON COMPATIBLE

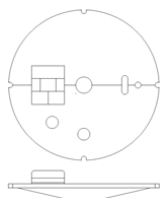
VISION

**COVERH-05**

Clear Hinged Cover, can be used with AutoMag, AutoMag 3 and the SuperMag in a 1L configuration

QLA

OEM Ref

**COVERH-05LL**

Low Evaporation Transparent Hinged Conical Cover, can be used with AutoMag, AutoMag 3 and the SuperMag in a 1L configuration

QLA

OEM Ref

**COVERH-05SB**

Clear Hinged Cover with Extra Hole for Stationary Basket & Float-A-Lyzer®, can be used with AutoMag, AutoMag 3 and the SuperMag in a 1L configuration

QLA

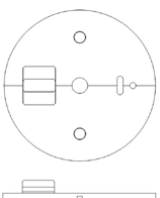
OEM Ref

**COVERH-08**

Clear Hinged Cover with (2) .391" OD holes and Hanson auto-sampler probe holes, includes 2 Caps

QLA

OEM Ref

**COVERH-10**

Clear Hinged Cover with (2) tapered holes for Hanson Vision stopper and Hanson auto-sampler probe holes, can be used with AutoMag, AutoMag 3 and the SuperMag in a 1L configuration

QLA

OEM Ref

**COVERHRV-01**

Gray Hinged Conical Cover with (2) tapered holes for Hanson Vision stopper and Hanson auto-sampler probe holes, can be used with AutoMag and the SuperMag in a 1L configuration

74-104-151

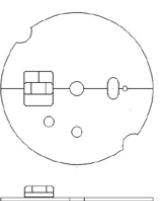
OEM Ref

**COVERHRV-LLHG**

Low Loss Black Hinged Conical Cover with Holes, can be used with AutoMag 2/3

QLA

OEM Ref

**ACCUCVR-HRV**

Low Loss Evaporation Clear Hinged Conical Cover for ACCUBKT & Hanson Auto-Sampler

QLA

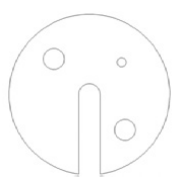
OEM Ref

PHARMATEST COMPATIBLE**COVERPT-01**

Low Evaporation Cover with Sampling Ports

382-3138

OEM Ref

**COVERPT-01SB**

Low Evaporation Cover with Sampling Ports & Extra Hole for Stationary Basket & Float-A-Lyzer®

QLA

OEM Ref

VESSEL CENTERING ACCESSORIES

THE VESSEL CENTERING SYSTEM

Problems with vessel centering? We have THE solution for that!

The QLA AccuCenter™ Bracket provides ultimate centering accuracy on most dissolution instruments (both old and new).

- Cost-effective replacement for OEM centering systems
- Spring loaded, rotary knobs secure the vessel firmly in place and eliminate floating when empty

This innovative bracket is adjustable and designed to center the vessel from the inside diameter and not the outside. When used in conjunction with QLA's UltraCenter™ Precision Vessels, extreme centering accuracy can be achieved. Many older baths were not designed to meet the new tighter centering requirements of Enhanced Mechanical Calibration and/or ASTM. When Pharmaceutical Labs adopt these stricter mechanical guidelines, there is no need to run USP calibrator tablets! This generally results in considerable cost and time savings for your lab. Please speak with your QLA Sales Rep for more information.



AGILENT COMPATIBLE

(Includes legacy VanKel)



ACCUBKT-VK

AccuCenter Bracket includes 316 SS hardware (Legacy VanKel and 708-DS baths)

QLA

OEM Ref



EZLBKT-01

Vessel Centering Bracket with 6 Replaceable Pins (Legacy VanKel baths)

12-6050

OEM Ref



EZLKIT-01

Vessel Centering Bracket Repair Kit (Set of 12 Pins)

QLA

OEM Ref



EZLPEG-01

Vessel Centering Bracket Peg

12-6065

OEM Ref



Stay up to date on hot topics within the Dissolution Industry!

Check out our newest Blogs at:
www.qla-llc.com/blogs/news

DISTEK COMPATIBLE**ACCUBKT-DK**

AccuCenter Bracket includes 316 SS hardware (2100 & 6300 baths)

QLA

OEM Ref

**ACCUBKT-DK2500**

AccuCenter Bracket includes 316 SS hardware (2500 baths)

QLA

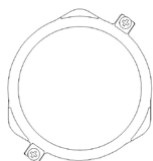
OEM Ref

**ACCUBKT-IKIT2500**

AccuCenter Bracket Installation Kit (2500 baths)

QLA

OEM Ref

**ACCUBKT-DK7100**

AccuCenter Bracket includes 316 SS hardware (7100 baths- must be installed by QLA Lab Services)

QLA

OEM Ref

**RING01-DK**

Accalign Vessel Centering Ring (2100 & 2500 baths)

3350-0096

OEM Ref

ERWEKA COMPATIBLE**RING01-EW**

Black Centering Hold-Down Ring with 2 locking pins (old style)

91-000-3000

OEM Ref

**RING-UCEW**

Vessel Hold-Down Ring for UltraCenter™ & Standard Vessels (DT baths)

QLA

OEM Ref

TELEDYNE HANSON COMPATIBLE

SR8-PLUS

ACCUBKT-HR

AccuCenter Bracket includes 316 SS hardware (SR8-Plus baths)

73-101-519

OEM Ref

**RING01-HR**

Baseplate Centering Ring (SR8-Plus baths)

73-100-550

OEM Ref

LOGAN COMPATIBLE**CNTRNG-LG**

Vessel Centering Ring

800-0069

OEM Ref



SAMPLING CANNULA & STOPPERS

THE CANNULA

Almost every dissolution test relies on samples being taken to produce a result. It is important that the sampling method does not adversely affect the accuracy of the dissolution test. Sampling errors are very common and are often the cause of erroneous results.

The USP defines the sampling point as: "A zone half way between the top of the media and top of the paddle or basket not less than 1cm from the vessel wall. The sampling position is critical but so too is the type of sampling cannula (also known as a probe) used."

KEY CONSIDERATIONS

Sampling Position — The sampling position is important particularly for tests with baskets as there can be a concentration profile between the bottom of the vessel and the stirring element. The sampling position is different for 500mL and 900mL tests. This can create problems for equipment that uses 'through the shaft' sampling.

Cannula Length — Cannula vary in length: 4.75" (120mm) is used for 900mL, 7.75" (195mm) is used for 500mL and extended lengths are normally used for "through the head sampling" whereby the cannula passes through the drive head of the dissolution bath.

Cannula Material — The cannula are made from either stainless steel or PEEK so that they do not absorb or interfere with the active ingredient.

Stoppers — Cannula can be used with stoppers during manual sampling to ensure that the sample is always taken from the same depth. Stoppers are attached to the cannula and sit in a hole in the vessel cover. If these are to be used then it is important to get the stopper and cannula to match the vessel cover type. The range of self-tightening stoppers can be installed and positioned without the need for tools such as screwdrivers. See below for more details.

SELECTING A SELF-TIGHTENING CANNULA STOPPER

Self-tightening cannula stoppers offer a convenient method of setting the cannula sampling position in accordance with USP 711. Adjustable self-tightening cannula stoppers are available for Distek, Hanson and Agilent/VanKel cannula.

Since there are numerous configurations of cannula and dissolution instruments in common use, the specific application should be reviewed to ensure correct stopper selection.

The two factors which determine the specific stopper choice are:

1. Cannula Outside Diameter (OD)
2. Stopper Outside Diameter (OD)/ Vessel Cover Hole Inside Diameter (ID)

The part numbering system incorporates both cannula and stopper outside diameters.

Cannula OD Inches	Manufacturer
.065 (1/16")	Distek/Hanson
.078	Agilent/VanKel
.125 (1/8")	Hanson
.142	Agilent/VanKel

Stopper OD Inches	Manufacturer
.31	Agilent/VanKel
.44	Hanson/Waters
.53	Distek

Part Numbering System:
CANSTP - 065 - 53
 Cannula OD | Stopper OD

Stopper Configurations: Common configurations are listed with the appropriate cannula. Configurations not listed are available by special order. Email qlasales@qla-llc.com or contact your QLA Sales Representative.

AGILENT**COMPATIBLE**

(Includes legacy VanKel)

**CAN475-01**

4.75" (120mm)
Bent 316 SS
Cannula with
SS Luer Lock &
Tygon Tubing

12-3200

OEM Ref

**CAN775-01**

7.75" (195mm)
Bent 316 SS
Cannula with SS
Luer Lock & Tygon
Tubing

12-3210

OEM Ref

**CAN015-01**

15" (380mm) Bent
316 SS Cannula
with SS Luer Lock
& Tygon Tubing
for QLA "01" style
filters (Use with
CANSTP-VKV to
make Agilent #17-
3317)

QLA

OEM Ref

**CANI7-3317**

15" (380mm) Bent
316 SS Cannula
with SS Luer Lock
& Tygon Tubing
for QLA "01" style
filters (CAN015-
01) includes
Adjustable
Cannula Stopper
(CANSTP-VKV) for
V-Series Baths

17-3317

OEM Ref

**CAN475-VK**

4.75" (120mm)
Bent 316 SS
Cannula with
SS Luer Lock &
Perm SS Tip

QLA

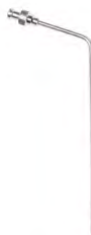
OEM Ref

**CAN775-VK**

7.75" (195mm)
Bent 316 SS
Cannula with SS
Luer Lock & Perm
SS Tip

QLA

OEM Ref

**CA8475-VK**

4.75" (120mm)
Bent 316 SS
1/8" (3.2mm) OD
Cannula with SS
Luer Lock & PTFE
Sleeve

QLA

OEM Ref

**CA8775-VK**

7.75" (195mm)
Bent 316 SS
1/8" (3.2mm) OD
Cannula with SS
Luer Lock & PTFE
Sleeve

QLA

OEM Ref

**CA8015-VK**

15" (380mm)
Bent 316 SS
1/8" (3.2mm) OD
Cannula with
SS Luer Lock &
PTFE Sleeve

QLA

OEM Ref

**CA8475-PV**

4.75" (120mm)
Bent PEEK 1/8"
(3.2mm) OD
Cannula with
PEEK Luer Lock &
PTFE Sleeve

QLA

OEM Ref

**CA8775-PV**

7.75" (195mm)
Bent PEEK 1/8"
(3.2mm) OD
Cannula with
PEEK Luer Lock &
PTFE Sleeve

QLA

OEM Ref

**CA8015-PV**

15" (380mm)
Bent PEEK 1/8"
(3.2mm) OD
Cannula with
PEEK Luer Lock
& PTFE Sleeve

QLA

OEM Ref

**CA8475-VKS**

5.9" (150mm)
Straight 316 SS
1/8" (3.2mm) OD
Cannula with SS
Luer Lock

QLA

OEM Ref

**CAN475-01L**

4.75" (120mm)
Bent 316 SS
Cannula with
Kynar Luer Lock &
Tygon Tubing, low-
cost alternative

QLA

OEM Ref

**CAN775-01L**

7.75" (195mm)
Bent 316 SS
Cannula with
Kynar Luer Lock &
Tygon Tubing, low-
cost alternative

QLA

OEM Ref

**CAN900-45**

4.5" (115mm)
Auto-Sampling
Cannula for
900mL

17-3300

OEM Ref

**CAN900-45SS**

4.5" (115mm)
Agilent/VanKel
Auto-Sampling
Cannula with
perm SS tip for
900mL Sampling
(use with 708-DS
Bath Manifold
only)

QLA

OEM Ref

**CAN500-60**

6.5" (165mm)
Auto-Sampling
Cannula for
500mL

17-3305

OEM Ref

**CAN500-60SS**

6.5" (165mm)
Agilent/VanKel
Auto-Sampling
Cannula with
perm SS tip for
500mL Sampling
(use with 708-DS
Bath Manifold
only)

QLA

OEM Ref

**CANRET-25**

2.5" (65mm)
Auto-Sampling
Return Cannula

17-3320

OEM Ref

**PROBEX-VK**

500mL Cannula
Extension Kit

17-3306

OEM Ref

**CANAPP3-2.75**

2.75" (70mm)
Agilent/VanKel
Auto-Sampling
Straight Return
Cannula for APP 3
Biodissolution

3085-0005

OEM Ref

**CANAPP3-AUTO**

5.775" (147mm)
Agilent/VanKel
Auto-Sampling
Cannula
(through evap
cover) for APP 3
Biodissolution

QLA

OEM Ref

**CANAPP3-DV**

APP 3 DV Series
Sampling Probe
with 4.96"
(126mm) probe
length uses "01"
style porous
filters in housing

QLA

OEM Ref

**CANAPP3-MAN**

5.775" (147mm)
Agilent/VanKel
Manual Sampling
Cannula (through
evap cover) for
APP 3 Biodissolution
includes 3" length
of tygon tubing and
female luer fitting

QLA

OEM Ref

**CANSTP-078-31**

Agilent/VanKel "01"
Style with Tygon
Tubing Cannula
Stopper for VanKel
Centering Bracket
cover

QLA

OEM Ref

**CANSTP-078-53**

Agilent/VanKel "01"
Style with Tygon
Tubing Cannula
Stopper for Distek
cover

QLA

OEM Ref

**CANSTP-142-31**

Agilent/VanKel
1/8" (3.2mm)
OD with PTFE
Sleeve or VK
Style with Perm
SS Tip Cannula
Stopper for VanKel
Centering Bracket
cover

QLA

OEM Ref

**CANSTP-142-53**

Agilent/VanKel 1/8"
(3.2mm) OD with
PTFE Sleeve or VK
Style with Perm
SS Tip Cannula
Stopper for Distek
cover

QLA

OEM Ref

**CANSTP-VK**

Adjustable
Cannula Stopper
with set screw for
VanKel Centering
Bracket cover
(.082" OD)

QLA

OEM Ref

**CA8STP-VK**

Adjustable
Cannula Stopper
with set screw
for 1/8" (3.2mm)
Cannula with
PTFE sleeve for
VanKel Centering
Bracket cover

QLA

OEM Ref

**CANSTP-VKV**

Adjustable
Cannula Stopper
with set screw
for V-Series
7020/7025/7030
(thru head mount
for CAN015-01/
CA8015-VK
cannula). Use
with CAN015-01
to make Agilent#
17-3317

QLA

OEM Ref

**CANSTP082-70XDS**

Adjustable Cannula Stopper with set screw for Agilent 708/709-DS (.082" OD)

QLA
OEM Ref

**CANSTP125-70XDS**

Adjustable Cannula Stopper with set screw for Agilent 708/709-DS Series (.125" OD)

QLA
OEM Ref

**ORING-CANSTP**

Black O-Ring for Adjustable Cannula Stoppers (Pack/12)

QLA
OEM Ref

**RCA-70XDS-VK**

Resident Cannula Adapter for VK8000 auto-sampler probes and Agilent 708-DS cover

17-3300
OEM Ref

**RCA-DK-VK**

Resident Cannula Adapter for VK8000 auto-sampler probes and Distek cover

QLA
OEM Ref

**RCA-SMV-VK**

Resident Cannula Adapter for VK8000 auto-sampler probes and QLA Small Volume Assembly cover (SMVCVR-UN)

QLA
OEM Ref

DISTEK COMPATIBLE**CAN500-DK**

500mL Standard Sampling Probe

2910-0500
OEM Ref

**CAN5BM-DK**

500mL Standard Sampling Probe Bottom

2910-0502
OEM Ref

**CAN900-DK**

900mL Standard Sampling Probe

2910-0900
OEM Ref

**CAN9BM-DK**

900mL Standard Sampling Probe Bottom

2910-0902
OEM Ref

**CAN900-DH**

900mL Standard Sampling Probe uses Hanson/QLA "HR" style filters on SS probe tip

QLA
OEM Ref

**CAN01K-DK**

1000mL Standard Sampling Probe

2910-1000
OEM Ref

**CAN02K-DK**

2000mL Standard Sampling Probe

QLA
OEM Ref

**CANTOP-DK**

Standard Sampling Probe Top (Push-On)

2910-0003
OEM Ref

**ORING-CANDK**

Red Silicone O-Ring for DK Series Probe (Pack/12)

QLA
OEM Ref

**CAN100-DSH**

100mL Solid Housing Sampling Probe (Small Volume)

QLA
OEM Ref

**CAN500-DSH**

500mL Solid Housing Sampling Probe

2910-0506
OEM Ref

**CAN500-DSHR**

500mL Solid Housing Sampling Probe uses Hanson/QLA "HR" style filters on probe tip

QLA
OEM Ref

**CAN900-DSH**

900mL Solid Housing Sampling Probe

2910-0906

OEM Ref

**CAN900-DSHR**

900mL Solid Housing Sampling Probe uses Hanson/QLA "HR" style filters on probe tip

QLA

OEM Ref

**CAN900-DSHRB**

900mL Solid Housing Sampling Probe uses Hanson/QLA "HR" style filters on probe tip- Basket use only

QLA

OEM Ref

**CAN01K-DSH**

1000mL Solid Housing Sampling Probe

2910-1006

OEM Ref

**CANRET-DK**

Return Probe

2910-0001

OEM Ref

**CANFAE-DK**

Female Luer Adapter & Elbow Assembly

QLA

OEM Ref

**CANFLA-DK**

Female Luer Adapter

5720-9059

OEM Ref

**CANFLE-DK**

Male to Female Elbow

5720-9074

OEM Ref

**THD90-065**

90 degree Cannula Elbow

QLA

OEM Ref

**FSLLR-6**

Air-Tight Locking Nut for Female Luer Fittings (Pack/10)

QLA

OEM Ref

**FILASY-DK**

Inline Filter Housing Assembly- Standard DK Series

QLA

OEM Ref

**FILASY-DV**

Inline Filter Housing Assembly- DV Series

QLA

OEM Ref

**CANSTP-065-31**

Distek/Hanson 1/16" (1.6mm) OD Cannula Stopper for VanKel Centering Bracket cover

QLA

OEM Ref

**CANSTP-065-53**

Distek/Hanson 1/16" (1.6mm) OD Cannula Stopper for Distek or QLA Small Volume cover

QLA

OEM Ref

**ORING-CANSTP**

Black O-Ring for Adjustable Cannula Stoppers (Pack/12)

QLA

OEM Ref

**CANSTP-DK**

Adjustable Cannula Stopper with set screw for Distek cover (.082" OD)

QLA

OEM Ref

**CA8STP-DK**

Adjustable Cannula Stopper with set screw for 1/8" (3.2mm) Cannula for Distek cover

QLA

OEM Ref

**CA9STP-DV**

Adjustable Cannula Stopper with set screw for 1/8" (3.2mm) Cannula with PTFE sleeve for Distek cover

QLA

OEM Ref

DV SERIES HIGH-CAPACITY SAMPLING PROBES (PATENT# US 7,850,919 B2)

Increased capacity for most brands of dissolution baths.

Available for 500mL, 900mL, 1000mL and 2000mL tests, the DV Series style sampling probe has a twist-lock housing which safely contains an Agilent/QLA "01" style filter. This means that the same cannula filters can be used for different dissolution baths offering increased flexibility. The surface area of this filter is 7 times greater than the small filter disc traditionally used in the Standard Style resident sampling probes. It is also much easier to remove the larger filter from the housing after use.

The DV Series' thin SS probe can remain in the vessel throughout the dissolution test without affecting the dissolution result, removing the need for an automated cannula lift. The probe simply sits in the vessel cover and samples from the same position every time. It is the ideal solution for auto-samplers that use resident probes.

PROBE ASSEMBLY

Part No.	Description	OEM Ref
CAN500-DV	500mL DV Series Sampling Probe uses QLA "01" filters in housing	2910-0500-Q
CAN5BM-DV	500mL DV Series Sampling Probe Bottom	QLA
CAN750-DV	750mL DV Series Sampling Probe uses QLA "01" style filters in housing	QLA
CAN900-DV	900mL DV Series Sampling Probe uses QLA "01" filters in housing	2910-0900-Q
CAN9BM-DV	900mL DV Series Sampling Probe Bottom	QLA
CAN01K-DV	1000mL DV Series Sampling Probe uses QLA "01" filters in housing	QLA
CAN02K-DV	2000mL DV Series Sampling Probe uses QLA "01" filters in housing	QLA
CANTOP-DV	DV Series Sampling Probe Top for Distek Baths (Locking)	QLA
ORING-CANDV	Red Silicone O-Ring for DV Series Probe (Pack/12)	QLA

HIGH CAPACITY FILTERS

Part No.	Description	OEM Ref
FIL001-01	1 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	QLA
FIL001-01-a	1 Micron Porous Filters, UHMW Polyethylene (Pack/100)	17-4003
FIL002-01	2 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	QLA
FIL002-01-a	2 Micron Porous Filters, UHMW Polyethylene (Pack/100)	QLA
FIL004-01	4 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	QLA
FIL004-01-a	4 Micron Porous Filters, UHMW Polyethylene (Pack/100)	17-4004
FIL005-01	5 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	QLA
FIL005-01-a	5 Micron Porous Filters, UHMW Polyethylene (Pack/100)	QLA
FIL010-01	10 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	17-4005
FIL010-01-a	10 Micron Porous Filters, UHMW Polyethylene (Pack/100)	17-4000
FIL020-01	20 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	QLA
FIL020-01-a	20 Micron Porous Filters, UHMW Polyethylene (Pack/100)	QLA



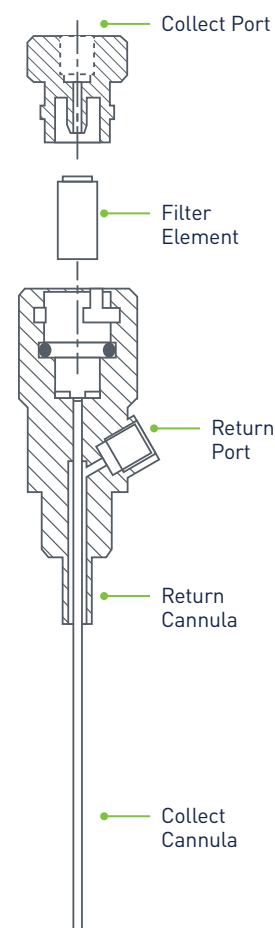
FIL025-01	25 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	QLA
FIL025-01-a	25 Micron Porous Filters, UHMW Polyethylene (Pack/100)	QLA
FIL035-01	35 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	17-4015
FIL035-01-a	35 Micron Porous Filters, UHMW Polyethylene (Pack/100)	17-4010
FIL045-01	45 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	QLA
FIL045-01-a	45 Micron Porous Filters, UHMW Polyethylene (Pack/100)	QLA
FIL070-01	70 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	17-4025
FIL070-01-a	70 Micron Porous Filters, UHMW Polyethylene (Pack/100)	17-4020
FIL090-01	90 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	QLA

DUAL DV SERIES HIGH-CAPACITY SAMPLING PROBES

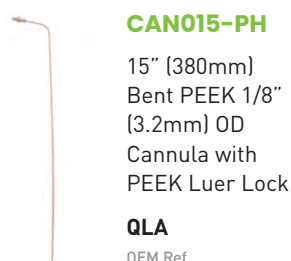
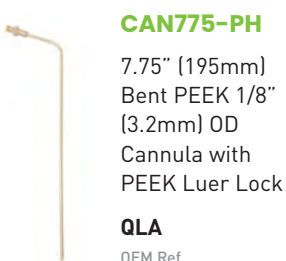
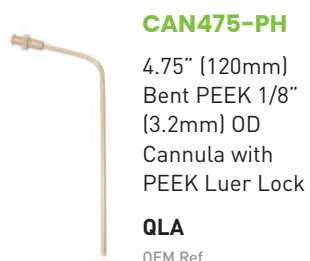
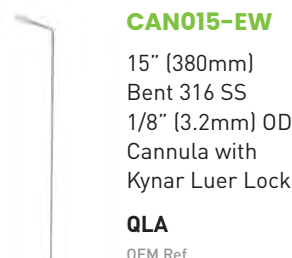
These probes offer the same features and benefits as the DV Series probes described above but with the addition of a return port. The return port provides a "return to vessel" path for Dissolution Protocols which require samples to be returned or Protocols which require media replacement. Since both the collect and return ports are integrated into a single housing only one hole in the vessel cover is used.

PROBE ASSEMBLY

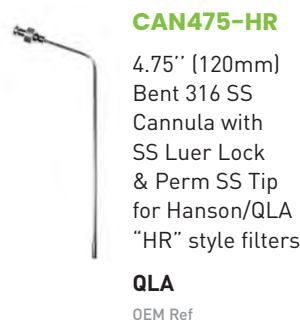
Part No.	Description	OEM Ref
CAN500-DDV	500mL Dual DV Series Sampling Probe uses QLA "01" filters in housing for Distek cover	QLA
CAN500-DHV	500mL Dual DV Series Sampling Probe uses QLA "01" filters in housing for Hanson SR8-Plus cover	QLA
CAN500-DVV	500mL Dual DV Series Sampling Probe uses QLA "01" filters in housing for VanKel Centering Bracket cover	QLA
CAN900-DDV	900mL Dual DV Series Sampling Probe uses QLA "01" filters in housing for Distek cover	QLA
CAN900-DHV	900mL Dual DV Series Sampling Probe uses QLA "01" filters in housing for Hanson SR8-Plus cover	QLA
CAN900-DVV	900mL Dual DV Series Sampling Probe uses QLA "01" filters in housing for VanKel Centering Bracket cover	QLA
CAN01K-DDV	1000mL Dual DV Series Sampling Probe uses QLA "01" filters in housing for Distek cover	QLA
CAN01K-DHV	1000mL Dual DV Series Sampling Probe uses QLA "01" filters in housing for Hanson SR8-Plus cover	QLA
CAN01K-DVV	1000mL Dual DV Series Sampling Probe uses QLA "01" filters in housing for VanKel Centering Bracket cover	QLA
CAN02K-DDV	2000mL Dual DV Series Sampling Probe uses QLA "01" filters in housing for Distek cover	QLA
CAN02K-DHV	2000mL Dual DV Series Sampling Probe uses QLA "01" filters in housing for Hanson SR8-Plus cover	QLA
CAN02K-DVV	2000mL Dual DV Series Sampling Probe uses QLA "01" filters in housing for VanKel Centering Bracket cover	QLA



ERWEKA COMPATIBLE



TELEDYNE HANSON COMPATIBLE



**CAN850-SH**

8.50" (216mm)
Bent 316 SS
1/8" (3.2mm) OD
Cannula with
SS Luer Lock,
used for 2000mL
sampling

QLA

OEM Ref

**CAN015-SH**

15" (380mm)
Bent 316 SS
1/8" (3.2mm) OD
Cannula with SS
Luer Lock

95-590-003

OEM Ref

**CANS15-SH**

15" (380mm)
Straight 316 SS
1/8" (3.2mm) OD
Cannula with SS
Luer Lock

QLA

OEM Ref

**CAN475-PH**

4.75" (120mm)
Bent PEEK 1/8"
(3.2mm) OD
Cannula with
PEEK Luer Lock

95-590-005

OEM Ref

**CAN775-PH**

7.75" (195mm)
Bent PEEK 1/8"
(3.2mm) OD
Cannula with
PEEK Luer Lock

95-590-004

OEM Ref

**CAN015-PH**

15" (380mm)
Bent PEEK 1/8"
(3.2mm) OD
Cannula with
PEEK Luer Lock

95-590-006

OEM Ref

**CANS15-PH**

15" (380mm)
Straight PEEK
1/8" (3.2mm) OD
Cannula with
PEEK Luer Lock

QLA

OEM Ref

**CAN475-SHL**

4.75" (120mm)
Bent 316 SS
1/8" (3.2mm)
OD Cannula
with Kynar Luer
Lock, low-cost
alternative

QLA

OEM Ref

**CAN775-SHL**

7.75" (195mm)
Bent 316 SS
1/8" (3.2mm)
OD Cannula
with Kynar Luer
Lock, low-cost
alternative

QLA

OEM Ref

**CAN475-062L**

4.75" (120mm)
Bent 316 SS
1/16" (1.6mm)
OD Cannula
with Kynar Luer
Lock, low-cost
alternative

QLA

OEM Ref

**CAN775-062L**

7.75" (195mm)
Bent 316 SS
1/16" (1.6mm)
OD Cannula
with Kynar Luer
Lock, low-cost
alternative

QLA

OEM Ref

**CANSTP-125-31**

Hanson 1/8"
(3.2mm) OD or HR
Style with Perm
SS Tip Cannula
Stopper for VanKel
Centering Bracket
cover

QLA

OEM Ref

**CANSTP-125-53**

Hanson 1/8"
(3.2mm) OD or HR
Style with Perm
SS Tip Cannula
Stopper for Distek
cover

QLA

OEM Ref

**CANSTP-065-31**

Distek/Hanson
1/16" (1.6mm)
OD Cannula
Stopper for VanKel
Centering Bracket
cover

QLA

OEM Ref

**CANSTP-065-53**

Distek/Hanson
1/16" (1.6mm) OD
Cannula Stopper
for Distek or QLA
Small Volume
cover

QLA

OEM Ref

**ORING-
CANSTP**

Black O-Ring
for Adjustable
Cannula Stoppers
(Pack/12)

QLA

OEM Ref

**CANSTP-HR**

Adjustable 1/8"
(3.2mm) OD
Cannula Stopper
with set screw for
Hanson SR8-Plus
(Thru Head Mount)

QLA

OEM Ref

**CAN500-HR2**

500mL Fixed
Vessel Mount
1/16" (1.6mm)
Sample Probe for
Hanson Vision

74-104-202

OEM Ref

**CAN900-HR2**

900mL Fixed
Vessel Mount
1/16" (1.6mm)
Sample Probe for
Hanson Vision

74-104-203

OEM Ref

**MCAN2-HR**

1/8" (3.2mm) OD Bent
PEEK Adjustable
Manual Sampling
Cannula with Stopper
for Hanson Vision,
includes markings at
500mL & 900mL for
both Basket & Paddle

74-104-201;**74-104-200**

OEM Ref

**MCAN3-HR**

7.8" (198mm) Bent PEEK 1/8" (3.2mm) OD Cannula with PEEK Luer Lock and Adjustable Stopper (STPR-HR) for 2L Hanson Vision Baths

74-105-360

OEM Ref

**STPR-HR**

Cannula Stopper for Vision Molded Cover

74-104-205

OEM Ref

**CANADJ-HR2**

Fixed Vessel Mount 1/16" (1.6mm) Sample Probe with Stopper & Nut for Hanson Vision (Small Vol, Oint Cell, APP 3)

74-104-204

OEM Ref

PHARMATEST COMPATIBLE**CAN475-SH**

4.75" (120mm) Bent 316 SS 1/8" (3.2mm) OD Cannula with SS Luer Lock

QLA

OEM Ref

**CAN775-SH**

7.75" (195mm) Bent 316 SS 1/8" (3.2mm) OD Cannula with SS Luer Lock

QLA

OEM Ref

**CAN475-PH**

4.75" (120mm) Bent PEEK 1/8" (3.2mm) OD Cannula with PEEK Luer Lock

QLA

OEM Ref

**CAN775-PH**

7.75" (195mm) Bent PEEK 1/8" (3.2mm) OD Cannula with PEEK Luer Lock

QLA

OEM Ref

**CANSTP-PT4B**

Adjustable Cannula Stopper for Pharmatest, Black Delrin

QLA

OEM Ref

SOTAX COMPATIBLE**CAN013-ST**

13" (330mm) Bent 316 SS Cannula with SS Luer Lock (thru head mount)

QLA

OEM Ref

**CAN013-ST-5**

13" (330mm) Bent 316 SS Cannula with SS Luer Lock, Pre-set with stopper at 500mL

QLA

OEM Ref

**CAN013-ST-9**

13" (330mm) Bent 316 SS Cannula with SS Luer Lock, Pre-set with stopper at 900mL

QLA

OEM Ref

**CAN013-ST-5-9**

13" (330mm) Bent 316 SS Cannula with SS Luer Lock and 2 Position Stopper at 500mL and 900mL

QLA

OEM Ref

SOTAX COMPATIBLE**CAN015-ST-9**

15.75" (400mm)
Bent 316 SS
1/8" (3.2mm) OD
Cannula with SS
Luer Lock, Pre-
set with stopper
at 900mL

QLA
OEM Ref

**PRBFSR-5S**

500mL Sample/
Return Probe
Fixed with Filter
Housing, Stopper
& Up/Down
Collars

QLA
OEM Ref

**PRBFSR-9S**

900mL Sample/
Return Probe
Fixed with Filter
Housing, Stopper
& Up/Down
Collars

QLA
OEM Ref

**PRBFSR-ST**

Combined
Sample/Return
Cannula with
Filter Housing
(thru head
mount)

QLA
OEM Ref

**PRBNSR-ST**

Combined
Sample/Return
Cannula without
Filter Housing
(thru head mount)

QLA
OEM Ref

**PRBFS10-ST**

500/900mL 316
SS Cannula with
Inline Filter
Housing (.125" OD)
for AT/AT7smart /
AT Xtend

QLA
OEM Ref

**PRBFS10-ST82**

500/900mL 316
SS Cannula with
Inline Filter
Housing (.082"
OD) for AT/
AT7smart /AT
Xtend

QLA
OEM Ref

**010-06-202**

1" (25.4mm)
gauge block to set
stopper height for
PRBFS10-ST &
PRBFS10-ST82

QLA
OEM Ref

**CANSTP-ST**

Adjustable
Cannula Stopper
with set screw
(use with CAN013-
ST)

QLA
OEM Ref

**ORING-
CANSTPST**

Red Silicone
O-Ring for
CANSTP-ST
(Pack/12)

QLA
OEM Ref

**QLA Superior
Quality Control**

All manufacturing is performed on-site by experienced machinists where we manufacture under strict ISO 9001 standards and have 100% control over product quality.



CANNULA FILTERS

THE CANNULA FILTER

Almost every dissolution test relies on samples being taken to produce a result. Filters are used to prevent particles of a tablet from getting into the sample and affecting the spectrophotometer or HPLC results.

Filters should be shown not to absorb any compounds of interest.

All filters are U.S. Pharmacopeia compliant where applicable and meet machine manufacturer specifications.

Our PureQuality certification program guarantees our filters not to have any Chromium, heavy metals, material contaminants or inorganic elemental interference. These are the purest and highest quality filters available today.



Guaranteed Chromium
and Heavy Metal Free

KEY CONSIDERATIONS

Most manufacturers use a filter on the end of the sampling cannula. These cannula filters are made of Ultra High Molecular Weight (UHMW) Polyethylene and are completely inert to most compounds.

With filters, porosities are nominal and represent an average pore size rather than an absolute pore size. Thus a 35µm and 40µm filter will perform in much the same way.

If in-line filters are used, it is important that a small amount of media is pushed back in the reverse direction to wash particles off the filter and back into the vessel. Particles are part of the tablet and as such should be kept inside the vessel, dissolving with the rest of the tablet.

Failure to do this results in the particles staying on the filter. The effect of this is not only to remove the particles from the media but next time a sample is taken, the media is pulled through the particles stuck to the filter which can give erroneously high readings.

When selecting a filter, it is wise to conduct some tests to ensure that there is no sample absorption onto the filter. If this is a problem then alternative filters and materials are available but external filtration may be required.

Types of Filters:

- **Cannula Filters** — Cannula Filters generally have a large surface area and may affect the hydrodynamics in the vessel. However they have a good flow rate and may be used when high levels of particulates are present to prevent particulates blocking the sample probes. A large porosity range is available. Different manufacturers recommend different filters for use with their sampling cannula and not all are interchangeable because of differences in cannula diameter.
- **Filter Discs** — Some low volume sample probes require an In-Line Filter Disc (or filter frit) which has a lower surface area than a cannula filter. These are designed to keep the filtration process outside the vessel but may suffer from blocking due to the lower surface area.
- **Filter Tips** — Filter Tips are smaller than cannula filters and fit on the end of larger diameter sample probes.



Cannula Filters

(See Agilent/VanKel
Compatible and Distek
DV Series pages 69-70
and 76-77)



Cannula Filters

(See all
Manufacturers
pages 77-83)



Filter Discs

(See Distek
pages 78-79)



Filter Tips

(See Agilent/VanKel
Compatible page 77)

AGILENT COMPATIBLE

Agilent and Legacy VanKel baths normally use either cannula end tip porous filters or filter tips.

Part No.	Description	OEM Ref
FIL001-01	1 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	QLA
FIL001-01-a	1 Micron Porous Filters, UHMW Polyethylene (Pack/100)	17-4003
FIL001-VK	1 Micron Porous Filters, UHMW Polyethylene, Direct Fit-no tygon tubing needed (Jar/1000)	QLA
FIL001-VK-a	1 Micron Porous Filters, UHMW Polyethylene, Direct Fit-no tygon tubing needed (Pack/100)	QLA
FIL002-01	2 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	QLA
FIL002-01-a	2 Micron Porous Filters, UHMW Polyethylene (Pack/100)	QLA
FIL004-01	4 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	QLA
FIL004-01-a	4 Micron Porous Filters, UHMW Polyethylene (Pack/100)	17-4004
FIL005-01	5 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	QLA
FIL005-01-a	5 Micron Porous Filters, UHMW Polyethylene (Pack/100)	QLA
FIL010-01	10 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	17-4005
FIL010-01-a	10 Micron Porous Filters, UHMW Polyethylene (Pack/100)	17-4000
FIL010-VK	10 Micron Porous Filters, UHMW Polyethylene, Direct Fit- no tygon tubing needed (Jar/1000)	QLA
FIL010-VK-a	10 Micron Porous Filters, UHMW Polyethylene, Direct Fit- no tygon tubing needed (Pack/100)	QLA
FIL010-01K	10 Micron Porous Filters, PVDF (Jar/1000)	17-4045
FIL010-01K-a	10 Micron Porous Filters, PVDF (Pack/100)	17-4040
FIL020-01	20 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	QLA
FIL020-01-a	20 Micron Porous Filters, UHMW Polyethylene (Pack/100)	QLA
FIL025-01	25 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	QLA
FIL025-01-a	25 Micron Porous Filters, UHMW Polyethylene (Pack/100)	QLA
FIL035-01	35 micron Porous Filters, UHMW Polyethylene (Jar/1000)	17-4015
FIL035-01-a	35 Micron Porous Filters, UHMW Polyethylene (Pack/100)	17-4010
FIL035-VK	35 Micron Porous Filters, UHMW Polyethylene, Direct Fit- no tygon tubing needed (Jar/1000)	QLA
FIL035-VK-a	35 Micron Porous Filters, UHMW Polyethylene, Direct Fit- no tygon tubing needed (Pack/100)	QLA
FIL035-01K	35 Micron Porous Filters, PVDF (Jar/1000)	17-4055
FIL035-01K-a	35 Micron Porous Filters, PVDF (Pack/100)	17-4050
FIL045-01	45 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	QLA
FIL045-01-a	45 Micron Porous Filters, UHMW Polyethylene (Pack/100)	QLA
FIL045-VK	45 Micron Porous Filters, UHMW Polyethylene, Direct Fit- no tygon tubing needed (Jar/1000)	QLA
FIL045-VK-a	45 Micron Porous Filters, UHMW Polyethylene, Direct Fit- no tygon tubing needed (Pack/100)	QLA



↑
**AGILENT/VanKel
compatible
CANNULA FILTERS**

Tygon Tubing Troubles? Go for a Direct Fit!

Try QLA's VK series porous filters. These filters have been designed to fit directly onto the end of the standard VanKel/Agilent style manual and automated cannula. No tygon tubing needed! Ask your QLA Sales Rep for more information.

FIL070-01	70 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	17-4025
FIL070-01-a	70 Micron Porous Filters, UHMW Polyethylene (Pack/100)	17-4020
FIL070-VK	70 Micron Porous Filters, UHMW Polyethylene, Direct Fit- no tygon tubing needed (Jar/1000)	QLA
FIL070-VK-a	70 Micron Porous Filters, UHMW Polyethylene, Direct Fit- no tygon tubing needed (Pack/100)	QLA
FIL090-01	90 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	QLA
FILTIP-02	2 Micron Filter Tips (Bag/1000)	17-4100
FILTIP-05	5 Micron Filter Tips (Bag/1000)	17-4110
FILTIP-10	10 Micron Filter Tips (Bag/1000)	17-4120
FILTIP-20	20 Micron Filter Tips (Bag/1000)	17-4130
		17-4140;
FILTIP-45	45 Micron Filter Tips (Bag/1000)	5181-1246



AGILENT/VanKel
compatible
FILTER TIPS

CALEVA COMPATIBLE

Caleva baths normally use 1/8" (3.2mm) ID cannula style filters with a large range of porosities.

Part No.	Description	OEM Ref
FIL001-CA	1 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	810101
FIL001-CA-a	1 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	810100
FIL004-CA	4 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	0810104
FIL004-CA-a	4 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	0810103
FIL010-CA	10 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	810107
FIL010-CA-a	10 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	810106
FIL035-CA	35 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	810143
FIL035-CA-a	35 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	810142
FIL040-CA	40 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	0810098
FIL040-CA-a	40 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	0810097
FIL045-CA	45 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL045-CA-a	45 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	QLA
FIL070-CA	70 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	0810146
FIL070-CA-a	70 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	0810145



CALEVA CANNULA
FILTERS

DISTEK COMPATIBLE

Distek baths utilize a resident sampling probe that incorporates a small filter disc. An external end tip filter may also be used on probe tip instead of, or in addition to the filter disc. QLA also carries the newer style Twist Lock filter. For DV Series Auto-Sampler Probe Filters, see pages 69-70.

Part No.	Description	OEM Ref
FIL010-DK	10 Micron Filter Discs, UHMW Polyethylene (Bag/1000)	5720-0203-1000
FIL010-DK-a	10 Micron Filter Discs, UHMW Polyethylene (Pack/100)	5720-0203-100
FIL020-DK	20 Micron Filter Discs, UHMW Polyethylene (Bag/1000)	QLA
FIL020-DK-a	20 Micron Filter Discs, UHMW Polyethylene (Pack/100)	QLA
FIL035-DK	35 Micron Filter Discs, UHMW Polyethylene (Bag/1000)	5720-0235-1000
FIL035-DK-a	35 Micron Filter Discs, UHMW Polyethylene (Pack/100)	5720-0235-100
FIL045-DK	45 Micron Filter Discs, UHMW Polyethylene (Bag/1000)	5720-0275-1000
FIL045-DK-a	45 Micron Filter Discs, UHMW Polyethylene (Pack/100)	5720-0275-100
FIL070-DK	70 Micron Filter Discs, UHMW Polyethylene (Bag/1000)	QLA
FIL070-DK-a	70 Micron Filter Discs, UHMW Polyethylene (Pack/100)	QLA
FIL090-DK	90 Micron Filter Discs, UHMW Polyethylene (Bag/1000)	QLA
FIL090-DK-a	90 Micron Filter Discs, UHMW Polyethylene (Pack/100)	QLA
FIL01S-DK	1 Micron Porous Filters, UHMW Polyethylene, 1/16" (1.6mm) ID (Jar/1000)	QLA
FIL01S-DK-a	1 Micron Porous Filters, UHMW Polyethylene, 1/16" (1.6mm) ID (Pack/100)	QLA
FIL04S-DK	4 Micron Porous Filters, UHMW Polyethylene, 1/16" (1.6mm) ID (Jar/1000)	QLA
FIL04S-DK-a	4 Micron Porous Filters, UHMW Polyethylene, 1/16" (1.6mm) ID (Pack/100)	QLA
FIL10S-DK	10 Micron Porous Filters, UHMW Polyethylene, 1/16" (1.6mm) ID (Jar/1000)	5720-0501
FIL10S-DK-a	10 Micron Porous Filters, UHMW Polyethylene, 1/16" (1.6mm) ID (Pack/100)	5720-0500
FIL20S-DK	20 Micron Porous Filters, UHMW Polyethylene, 1/16" (1.6mm) ID (Jar/1000)	5720-0240-1000
FIL20S-DK-a	20 Micron Porous Filters, UHMW Polyethylene, 1/16" (1.6mm) ID (Pack/100)	5720-0240-100
FIL35S-DK	35 Micron Porous Filters, UHMW Polyethylene, 1/16" (1.6mm) ID (Jar/1000)	5720-0220-1000
FIL35S-DK-a	35 Micron Porous Filters, UHMW Polyethylene, 1/16" (1.6mm) ID (Pack/100)	5720-0220-100
FIL45S-DK	45 Micron Porous Filters, UHMW Polyethylene, 1/16" (1.6mm) ID (Jar/1000)	5720-0020-1000
FIL45S-DK-a	45 Micron Porous Filters, UHMW Polyethylene, 1/16" (1.6mm) ID (Pack/100)	5720-0020-100
FIL70S-DK	70 Micron Porous Filters, UHMW Polyethylene, 1/16" (1.6mm) ID (Jar/1000)	5720-0503
FIL70S-DK-a	70 Micron Porous Filters, UHMW Polyethylene, 1/16" (1.6mm) ID (Pack/100)	5720-0502
FIL01TL-DK	1 Micron Filter Disks for Twist Lock Probe, UHMW Polyethylene (Jar/1000)	QLA
FIL01TL-DK-a	1 Micron Filter Disks for Twist Lock Probe, UHMW Polyethylene (Pack/100)	QLA
FIL05TL-DK	5 Micron Filter Disks for Twist Lock Probe, UHMW Polyethylene (Jar/1000)	QLA



↑
DISTEK FILTER DISCS



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DISTEK CANNULA FILTERS



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DISTEK TWIST LOCK FILTER DISKS

FIL05TL-DK-a	5 Micron Filter Disks for Twist Lock Probe, UHMW Polyethylene (Pack/100)	QLA
FIL10TL-DK	10 Micron Filter Disks for Twist Lock Probe, UHMW Polyethylene (Jar/1000)	5720-0051-1000
FIL10TL-DK-a	10 Micron Filter Disks for Twist Lock Probe, UHMW Polyethylene (Pack/100)	5720-0051-100
FIL20TL-DK	20 Micron Filter Disks for Twist Lock Probe, UHMW Polyethylene (Jar/1000)	QLA
FIL20TL-DK-a	20 Micron Filter Disks for Twist Lock Probe, UHMW Polyethylene (Pack/100)	QLA
FIL35TL-DK	35 Micron Filter Disks for Twist Lock Probe, UHMW Polyethylene (Jar/1000)	QLA
FIL35TL-DK-a	35 Micron Filter Disks for Twist Lock Probe, UHMW Polyethylene (Pack/100)	QLA
FIL45TL-DK	45 Micron Filter Disks for Twist Lock Probe, UHMW Polyethylene (Jar/1000)	5720-0052-1000
FIL45TL-DK-a	45 Micron Filter Disks for Twist Lock Probe, UHMW Polyethylene (Pack/100)	5720-0052-100
FIL70TL-DK	70 Micron Filter Disks for Twist Lock Probe, UHMW Polyethylene (Jar/1000)	5720-0056-1000

ELECTROLAB COMPATIBLE

Part No.	Description	OEM Ref
FIL001-EL	1 Micron Porous Filters, UHMW Polyethylene, 3mm ID (Jar/1000)	QLA
FIL001-EL-a	1 Micron Porous Filters, UHMW Polyethylene, 3mm ID (Pack/100)	QLA
FIL005-EL	5 Micron Porous Filters, UHMW Polyethylene, 3mm ID (Jar/1000)	QLA
FIL005-EL-a	5 Micron Porous Filters, UHMW Polyethylene, 3mm ID (Pack/100)	QLA
FIL010-EL	10 Micron Porous Filters, UHMW Polyethylene, 3mm ID (Jar/1000)	QLA
FIL010-EL-a	10 Micron Porous Filters, UHMW Polyethylene, 3mm ID (Pack/100)	QLA
FIL035-EL	35 Micron Porous Filters, UHMW Polyethylene, 3mm ID (Jar/1000)	QLA
FIL035-EL-a	35 Micron Porous Filters, UHMW Polyethylene, 3mm ID (Pack/100)	QLA
FIL045-EL	45 Micron Porous Filters, UHMW Polyethylene, 3mm ID (Jar/1000)	QLA
FIL045-EL-a	45 Micron Porous Filters, UHMW Polyethylene, 3mm ID (Pack/100)	QLA
FIL070-EL	70 Micron Porous Filters, UHMW Polyethylene, 3mm ID (Jar/1000)	QLA



ELECTROLAB
CANNULA FILTERS

ERWEKA COMPATIBLE

Erweka baths normally use 1/8" (3.2mm) ID cannula style filters with a large range of porosities.

Part No.	Description	OEM Ref
FIL001-EW	1 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	18430; 90-000-0013
FIL001-EW-a	1 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	90-000-0013
FIL004-EW	4 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	18431; 90-000-0023
FIL004-EW-a	4 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	90-000-0023
FIL010-EW	10 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	18432; 90-000-0033
FIL010-EW-a	10 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	90-000-0033
FIL020-EW	20 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	18433
FIL020-EW-a	20 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	QLA
FIL035-EW	35 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL035-EW-a	35 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	QLA
FIL040-EW	40 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL040-EW-a	40 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	QLA
FIL070-EW	70 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL070-EW-a	70 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	QLA
FIL090-EW	90 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL090-EW-a	90 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	QLA



ERWEKA CANNULA FILTERS

TELEDYNE HANSON COMPATIBLE

Teledyne Hanson baths use cannula style filters. The Hanson/Waters Dissolution/HPLC interface uses a narrow bore 1/16" (1.6mm) ID filter instead of the normal 1/8" (3.2mm) ID.

Part No.	Description	OEM Ref
FIL001-HR	1 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	27-101-097
FIL001-HR-a	1 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	27-101-087
FIL002-HR	2 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL002-HR-a	2 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	QLA
FIL004-HR	4 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	27-101-098
FIL004-HR-a	4 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	27-101-088
FIL005-HR	5 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL005-HR-a	5 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	QLA
FIL010-HR	10 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	27-101-091
FIL010-HR-a	10 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	27-101-074
FIL010-HRK	10 Micron Porous Filters, PVDF, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL010-HRK-a	10 Micron Porous Filters, PVDF, 1/8" (3.2mm) ID (Pack/100)	QLA



TELEDYNE HANSON CANNULA FILTERS

FIL020-HR	20 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL020-HR-a	20 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	QLA
FIL035-HR	35 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	27-101-095
FIL035-HR-a	35 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	27-101-085
FIL045-HR	45 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	27-101-099
FIL045-HR-a	45 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	27-101-089
FIL070-HR	70 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	27-101-092
FIL070-HR-a	70 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	27-101-082
FIL090-HR	90 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL090-HR-a	90 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	QLA
FILTOOL-HR	Filter ID Adjustment Tool for Hanson 1/8" ID Filters (if needed for use with PEEK 1/8" OD cannula)	
FIL10S-HR	10 Micron Porous Filters, UHMW Polyethylene, 1/16" (1.6mm) ID (Jar/1000)	27-101-093
FIL10S-HR-a	10 Micron Porous Filters, UHMW Polyethylene, 1/16" (1.6mm) ID (Pack/100)	27-101-083
FIL20S-HR	20 Micron Porous Filters, UHMW Polyethylene, 1/16" (1.6mm) ID (Jar/1000)	QLA
FIL20S-HR-a	20 Micron Porous Filters, UHMW Polyethylene, 1/16" (1.6mm) ID (Pack/100)	27-101-103
FIL35S-HR	35 Micron Porous Filters, UHMW Polyethylene, 1/16" (1.6mm) ID (Jar/1000)	27-101-096
FIL35S-HR-a	35 Micron Porous Filters, UHMW Polyethylene, 1/16" (1.6mm) ID (Pack/100)	27-101-086
FIL45S-HR	45 Micron Porous Filters, UHMW Polyethylene, 1/16" (1.6mm) ID (Jar/1000)	QLA
FIL45S-HR-a	45 Micron Porous Filters, UHMW Polyethylene, 1/16" (1.6mm) ID (Pack/100)	27-101-090
FIL70S-HR	70 Micron Porous Filters, UHMW Polyethylene, 1/16" (1.6mm) ID (Jar/1000)	27-101-094
FIL70S-HR-a	70 Micron Porous Filters, UHMW Polyethylene, 1/16" (1.6mm) ID (Pack/100)	27-101-084



FILTOOL-HR

LOGAN COMPATIBLE

Part No.	Description	OEM Ref
FIL001-LG	1 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	QLA
FIL001-LG-a	1 Micron Porous Filters, UHMW Polyethylene (Pack/100)	QLA
FIL005-LG	5 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	QLA
FIL005-LG-a	5 Micron Porous Filters, UHMW Polyethylene (Pack/100)	QLA
FIL010-LG	10 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	200-1010
FIL010-LG-a	10 Micron Porous Filters, UHMW Polyethylene (Pack/100)	QLA
FIL035-LG	35 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	200-1035
FIL035-LG-a	35 Micron Porous Filters, UHMW Polyethylene (Pack/100)	QLA
FIL070-LG	70 Micron Porous Filters, UHMW Polyethylene (Jar/1000)	200-1070



LOGAN CANNULA FILTERS

LAB INDIA COMPATIBLE

Part No.	Description	OEM Ref
FIL010-LIR	10 Micron Porous Filters with stripper ring, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL020-LI	20 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL020-LIR	20 Micron Porous Filters with stripper ring, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL040-LIR	40 Micron Porous Filters with stripper ring, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL070-LIR	70 Micron Porous Filters with stripper ring, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	QLA



LAB INDIA
CANNULA FILTERS

PHARMATEST COMPATIBLE

Pharmatest baths normally use 1/8" cannula style filters with a large range of porosities.

Part No.	Description	OEM Ref
FIL001-PT	1 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	31-63711-1000
FIL001-PT-a	1 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	31-63711-100
FIL004-PT	4 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL004-PT-a	4 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	QLA
FIL005-PT	5 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	31-63911-1000
FIL005-PT-a	5 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	31-63511-50; 3163911-100
FIL010-PT	10 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	31-63211
FIL010-PT-a	10 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	31-63211-50
FIL010-PTK	10 Micron Porous Filters, PVDF, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL020-PT	20 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL020-PT-a	20 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	QLA
FIL035-PT	35 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	31-63811-1000
FIL035-PT-a	35 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	31-63811-100
FIL070-PT	70 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL070-PT-a	70 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	QLA



PHARMTEST
CANNULA FILTERS

SOTAX COMPATIBLE

Sotax baths normally use 1/8" (3.2mm) cannula style filters with a large range of porosities.

Part No.	Description	OEM Ref
FIL001-ST	1 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL001-ST-a	1 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	F100-3101
FIL004-ST	4 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL004-ST-a	4 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	F100-3104
FIL005-ST	5 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL005-ST-a	5 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	QLA
FIL010-ST	10 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL010-ST-a	10 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	F100-3110
FIL020-ST	20 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL020-ST-a	20 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	QLA
FIL035-ST	35 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL035-ST-a	35 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	F100-3135
FIL070-ST	70 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Jar/1000)	QLA
FIL070-ST-a	70 Micron Porous Filters, UHMW Polyethylene, 1/8" (3.2mm) ID (Pack/100)	F100-3170



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SOTAX CANNULA FILTERS

SUN-SRI SUNFLO COMPATIBLE

Part No.	Description	OEM Ref
FIL010-SUN	10 Micron Porous Filters (longer length), UHMW Polyethylene (Jar/1000)	400-105
FIL010-SUN-a	10 Micron Porous Filters (longer length), UHMW Polyethylene (Pack/100)	400-104
FIL020-SUN	20 Micron Porous Filters (longer length), UHMW Polyethylene (Jar/1000)	400-111
FIL020-SUN-a	20 Micron Porous Filters (longer length), UHMW Polyethylene (Pack/100)	QLA
FIL070-SUN	70 Micron Porous Filters (longer length), UHMW Polyethylene (Jar/1000)	QLA
FIL070-SUN-a	70 Micron Porous Filters (longer length), UHMW Polyethylene (Pack/100)	400-107



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SUN-SRI CANNULA FILTERS

Cannula Filters Color Coding

Some cannula filters are color coded for easy identification of porosity.



BIODISSOLUTION

APPARATUS 3

AGILENT COMPATIBLE



GLA100-VBIO

100mL Clear Outer Glass with Flat Bottom

27-5110
OEM Ref



GLA300-01

300mL Clear Non-Graduated Outer Glass with Flat Bottom

27-5100
OEM Ref



GLA300-02

300mL Clear Graduated Outer Glass with Flat Bottom

QLA
OEM Ref



GLA300-03

300mL Clear Class A 250mL Mark Outer Glass with Flat Bottom

QLA
OEM Ref



GLA300-AV

300mL Amber Non-Graduated Outer Glass with Flat Bottom

QLA
OEM Ref



EVACOV-05

Evaporation Cover for 300mL Outer Glass, PVC

27-1500
OEM Ref



GLAIST-01

100mL Clear Inner Sample Tube with Threaded Ends

27-5000
OEM Ref



GLAIST-AV

100mL Amber Inner Sample Tube with Threaded Ends

QLA
OEM Ref



LOWCAP-03

Lower Cap for 100mL Inner Sample Tube

27-1020
OEM Ref



LOWCAP-05

Lower Cap for 100mL Inner Sample Tube, Wider Style for improved mixing

27-1050
OEM Ref



UPPCAP-03

Upper Cap for 100mL Inner Sample Tube

27-1000
OEM Ref



MSHSCR-10

10 Mesh Screen, Stainless Steel, 1.15" dia. (Pack/25)

27-2099
OEM Ref



MSHSCR-20

20 Mesh Screen, Stainless Steel, 1.15" dia. (Pack/25)

27-2100
OEM Ref



MSHSCR-30

30 Mesh Screen, Stainless Steel, 1.15" dia. (Pack/25)

27-2103
OEM Ref



MSHSCR-40

40 Mesh Screen, Stainless Steel, 1.15" dia. (Pack/25)

27-2105
OEM Ref

Vessel Stands for 300mL Vessels

VESSTD-APP3/20

20 Position Vessel Stand for
300mL Outer Glass

QLA

OEM Ref

VESSTD-APP3/14

14 Position Vessel Stand for
300mL Outer Glass

QLA

OEM Ref



VESSTD-APP3/14

MSHSCR-60

60 Mesh Screen,
Stainless Steel, 1.15"
dia. (Pack/25)

QLA

OEM Ref



MSHSCR-80

80 Mesh Screen,
Stainless Steel, 1.15"
dia. (Pack/25)

QLA

OEM Ref



MSHSCR-100

100 Mesh Screen,
Stainless Steel, 1.15"
dia. (Pack/25)

QLA

OEM Ref



POLSCR-20

20 Mesh Screen,
Polypropylene, 1.25"
dia. (Pack/25)

27-2000

OEM Ref



POLSCR-30

30 Mesh Screen,
Polypropylene, 1.25"
dia. (Pack/25)

QLA

OEM Ref



POLSCR-40

40 Mesh Screen,
Polypropylene, 1.25"
dia. (Pack/25)

27-2005

OEM Ref



POLSCR-78

78 Mesh Screen,
Polypropylene, 1.25"
dia. (Pack/25)

27-2010

OEM Ref



POLSCR-1K

100 Mesh Screen,
Polypropylene, 1.25"
dia. (Pack/25)

27-2015

OEM Ref



CANAPP3-2.75

2.75" (70mm)
Agilent/VanKel Auto-
Sampling Straight
Return Cannula

3085-0005

OEM Ref



CANAPP3-AUTO

5.775" (147mm)
Agilent/VanKel Auto-
Sampling Cannula
(through evap cover)

QLA

OEM Ref



CANAPP3-DV

APP 3 DV Series
Sampling Probe with
4.96" (126mm) probe
length uses "01"
style porous filters in
housing

QLA

OEM Ref



CANAPP3-MAN

5.775" (147mm)
Agilent/VanKel
Manual Sampling
Cannula (through
evap cover) includes
3" length of tygon
tubing and female
luer fitting

QLA

OEM Ref



FLOW-THROUGH DISSOLUTION

APPARATUS 4

SOTAX
COMPATIBLE

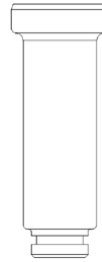
CE7


APP4FC-12S

 APP 4 Acrylic 12mm
Flow Cell

8386

OEM Ref


APP4FC-12SP

APP 4 PEEK 12mm Flow Cell

8287-02

OEM Ref


APP4FC-12SU

 APP 4 Ultem 1000 12mm
Flow Cell

231667

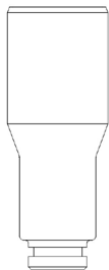
OEM Ref


APP4FC-22S

APP 4 Acrylic 22.6mm Flow Cell

8220

OEM Ref


APP4FC-22SP

 APP 4 PEEK 22.6mm
Flow Cell

8220-02

OEM Ref


APP4FC-22SU

 APP 4 Ultem 1000 22.6mm
Flow Cell

231665

OEM Ref


APP4TH-12

 APP 4 Tablet Holder for
12mm Flow Cell

2645

OEM Ref


APP4TH-22

 APP 4 Tablet Holder for 22.6mm
Flow Cell

1866

OEM Ref

**APP4BEAD-RB5**

APP 4 Ruby Bead, 5mm dia

P100-0100

OEM Ref

**CELLHLD-APP4**

APP 4 Aluminum Cell Holder

QLA

OEM Ref

**ORING-APP4**Black Viton O-Ring for Cap,
2.5mm Wide x 28mm ID
(Each)**QLA**

OEM Ref

**ORING-APP4BS**Black Viton O-Ring for Base
Stem, 11mm OD x 2.5mm Thick
(Pack/12)**D100-1155**

OEM Ref

**ORING-APP4CRC**Black Viton O-Ring for Cell
Receptacle Cover, 44.5mm
OD x 2.6mm Thick (Pack/12)**D100-6705**

OEM Ref

**ORING-APP4CTIP**Black Viton O-Ring for Cell
Tip, 16mm OD x 1.8mm Thick
(Pack/12)**D100-3305**

OEM Ref

**ORING-APP4LFH**Black Viton O-Ring for Lower
Filter Housing (Internal),
30mm OD x 1.8mm Thick
(Pack/12)**D100-5105**

OEM Ref

**ORING-APP4STEM**Black Viton O-Ring for Filter
Housing Stem, 9.6mm OD x
1.8mm Thick (Pack/12)**D100-1415**

OEM Ref

**ORING-APP4TFH**Black Viton O-Ring for Top
Filter Housing (Internal),
28.7mm OD x 1.8mm Thick
(Pack/12)**D100-5005**

OEM Ref

TRANSDERMAL TESTING

APPARATUS 5 AND APPARATUS 6

PADDLE OVER DISK APPARATUS 5

With paddle over disk, a transdermal patch is placed either between a glass disk and an inert Nylon or PTFE mesh (APPFIVE-HR/APPFIVE-HR1), or directly onto Stainless Steel mesh (APPFIVE-V30, APPFIVE-V35, APPFIVE-V56 and APPFIVE-V80). This is placed at the bottom of the vessel, with the release side facing upwards, under a rotating paddle.

Transdermal testing is carried out at 32°C to reflect the temperature of the skin.

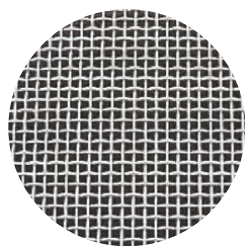
Other variables such as the height setting and sampling requirements are the same as for USP Method 2.

QLA's USP Apparatus 5 products are compatible with all brands of dissolution baths.

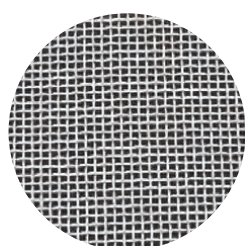
KEY CONSIDERATIONS

The APPFIVE-HR patch holder assembly is a watch glass with a 17 mesh Nylon screen and the APPFIVE-HR1 assembly is a borosilicate watch glass with a 17 mesh PTFE screen. Both are held together by Kynar clips. Patches up to 90mm in diameter can be tested. It is compatible with all brands of dissolution baths and conforms exactly to the USP specification.

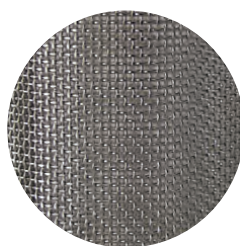
The APPFIVE-V30, APPFIVE-V35, APPFIVE-V56 and APPFIVE-V80 patch holders have stainless steel screens and can accommodate various patch sizes. Various mesh sizes are available.



16 Mesh



20 Mesh



40 Mesh



APPFIVE-HR

Transdermal Patch Holder includes (1) Watch Glass, (1) 17 mesh Nylon screen, (4) Kynar Clips, Serialized

65-190-092 H

OEM Ref



APPFIVE-HR1

Transdermal Patch Holder includes (1) Borosilicate Watch Glass, (1) 17 mesh PTFE screen, (4) Kynar Clips, Serialized

QLA

OEM Ref



APPFIVE-HRCLIP

Kynar Clip for APPFIVE-HR/HR1

65-190-205 H

OEM Ref

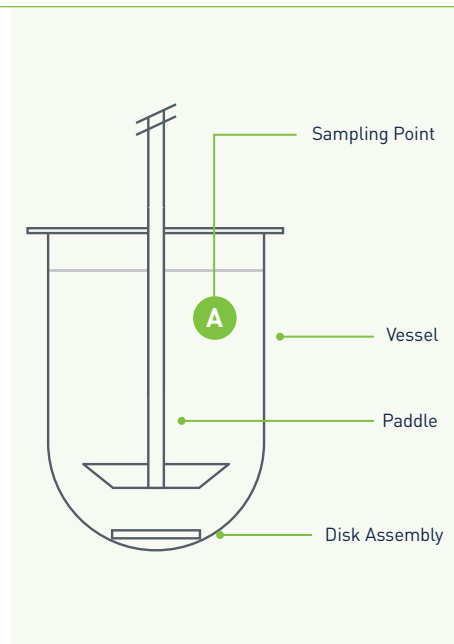


APPFIVE-HRGLA

90mm Watch Glass Only for APPFIVE-HR/HR1, Serialized

QLA

OEM Ref



Note: Other mesh sizes are available on request. For more information, contact your QLA Sales Rep.

OEM Key

A Agilent

E Erweka

D Distek

H Teledyne Hanson



APPFIVE-HRGLA1

90mm
Borosilicate
Watch Glass
Only for
APPFIVE-HR/
HR1, Serialized

QLA
OEM Ref



APPFIVE-HRSCR

17 mesh 3.5"
(89mm) dia.
Screen for
APPFIVE-HR/
HR1, Nylon

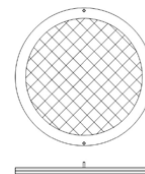
65-190-190 H
OEM Ref



APPFIVE-HRSCRTEF

17 mesh 3.5"
(89mm) dia.
Screen for
APPFIVE-HR/
HR1, PTFE

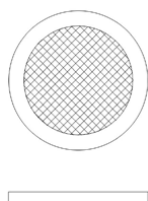
QLA
OEM Ref



APPFIVE-CP80

Chinese
Pharmacopeia
Paddle Disk
Assembly, 80mm
ID/ 92mm OD/
3mm thickness,
(2) 9x9 mesh
screens, 316 SS,
Serialized (MOQ
6 pcs)

QLA
OEM Ref



APPFIVE-EP32

Paddle over
Disk Assembly
per EP 2.9.4,
32.2mm
opening, 120
mesh screen,
316 SS,
Serialized

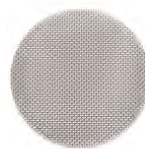
18413 E
OEM Ref



APPFIVE-V30

Paddle over
Disk Assembly,
30mm opening,
40 mesh screen,
316 SS

QLA
OEM Ref



APP5S40-30

40 Mesh
Stainless Steel
Screens for
APPFIVE-V30
(Pack/25)

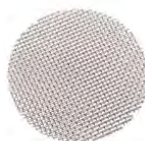
QLA
OEM Ref



APPFIVE-V35

Paddle over Disk
Assembly, 35mm
opening, 40 mesh
screen, 316 SS,
Serialized

12-4200 A
OEM Ref



APP5S16-35

16 Mesh
Stainless Steel
Screens for
APPFIVE-V35
(Pack/25)

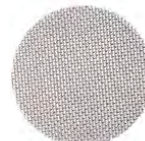
QLA
OEM Ref



APP5S20-35

20 Mesh
Stainless Steel
Screens for
APPFIVE-V35
(Pack/25)

QLA
OEM Ref



APP5S30-35

30 Mesh
Stainless Steel
Screens for
APPFIVE-V35
(Pack/25)

QLA
OEM Ref



APP5S40-35

40 Mesh
Stainless Steel
Screens for
APPFIVE-V35
(Pack/25)

QLA
OEM Ref



APP5S100-35

100 Mesh
Stainless Steel
Screens for
APPFIVE-V35
(Pack/25)

QLA
OEM Ref



APP5S120-35

120 Mesh
Stainless Steel
Screens for
APPFIVE-V35
(Pack/25)

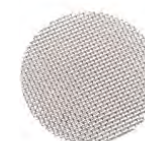
QLA
OEM Ref



APPFIVE-V56

Paddle over Disk
Assembly, 56mm
opening, 120
mesh screen,
316 SS

12-4230 A
OEM Ref



APP5S16-56

16 Mesh
Stainless Steel
Screens for
APPFIVE-V56
(Pack/25)

QLA
OEM Ref

**APP5S20-56**

20 Mesh
Stainless Steel
Screens for
APPFIVE-V56
(Pack/25)

QLA

OEM Ref

**APP5S40-56**

40 Mesh
Stainless Steel
Screens for
APPFIVE-V56
(Pack/25)

QLA

OEM Ref

**APP5S120-56**

120 Mesh
Stainless Steel
Screens for
APPFIVE-V56
(Pack/25)

QLA

OEM Ref

**APPFIVE-V80**

Paddle over
Disk Assembly,
80mm opening,
(2) 16x16 mesh
screens, 316 SS

QLA

OEM Ref

**APP5S16-80**

16 Mesh
Stainless Steel
Screens for
APPFIVE-V80
(Pack/25)

QLA

OEM Ref

**APP5S40-80**

40 Mesh
Stainless Steel
Screens for
APPFIVE-V80
(Pack/25)

QLA

OEM Ref

**APP5S100-80**

100 Mesh
Stainless Steel
Screens for
APPFIVE-V80
(Pack/25)

QLA

OEM Ref

**APP5S120-80**

120 Mesh
Stainless Steel
Screens for
APPFIVE-V80
(Pack/25)

QLA

OEM Ref

**TRANDE-SC**

Custom
Transdermal
Screen, 316 SS

QLA

OEM Ref

ROTATING CYLINDER APPARATUS 6

USP Apparatus 6 rotating cylinder is similar to USP Method 1 (the rotating basket). However, the basket assembly is replaced by a solid 316 Stainless Steel cylinder.

The transdermal patch is fixed to the outside surface of the cylinder.

Transdermal testing is carried out at 32°C to reflect the temperature of the skin.

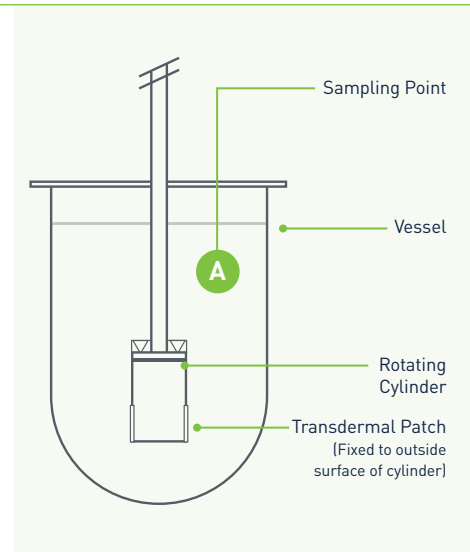
Other variables such as the height setting and sampling requirements are the same as for USP Apparatus 1.

QLA's Rotating Cylinders and Extensions are serialized, come with a Certificate of Conformance and are compatible with most brands of dissolution baths.

KEY CONSIDERATIONS

If an extension (APPSIX-EX) is needed, it should be ordered at the same time as the main cylinder (APPSIX-XX, AP6CYL-DK, SPNAP6-XX). The extension cylinder, which provides the larger surface area, is deceptively delicate and must be handled very carefully making it somewhat operator intensive. Potentially one piece (long) cylinders, which have the same dimensions as the standard apparatus with the extension installed, could be used but as of this writing are not mentioned in USP chapter <724>.

Other shaft lengths are available on request.



Rotating Cylinder assembled with extension

Q03026

STANDARD (SHORT) CYLINDER



APPSIX-01

16" (405mm) APP 6 Rotating Cylinder, 316 SS, Serialized

QLA

OEM Ref



APPSIX-19LC

19" (480mm) APP 6 Rotating Cylinder, 316 SS, Serialized

QLA

OEM Ref



APPSIX-21

21" (533mm) APP 6 Rotating Cylinder, 316 SS, Serialized

QLA

OEM Ref



AP6CYL-DK

Detachable Rotating Cylinder for Distek, 316 SS, Serialized

3200-0142 D

OEM Ref



APPSIX-EL

11.95" (303.5mm) APP 6 Rotating Cylinder with 10mm OD for Electrolab, 316 SS, Serialized

QLA

OEM Ref



APPSIX-EW

16" (405mm) APP 6 Rotating Cylinder with 10mm OD for Erweka, 316 SS, Serialized

QLA

OEM Ref



APPSIX-ST

11.85" (301mm) APP 6 Rotating Cylinder with 10mm OD for Sotax, 316 SS, Serialized-Can NOT be used with APPSIX-EX

QLA

OEM Ref



APPSIX-STASSY

9.59" (244mm) APP 6 Rotating Cylinder and Extension Assembly with 10mm OD for Sotax, 316 SS, Serialized

QLA

OEM Ref



SPNAP6-01

Spin ON/OFF Rotating Cylinder, 316 SS, Serialized (Upper Shaft available separately)

QLA

OEM Ref



SPNAP6-HRV

Spin ON/OFF APP 6 Rotating Cylinder for Hanson Vision, 316 SS, Serialized (Upper Shaft available separately)

74-105-240 H

OEM Ref



APPSIX-EX

Rotating Cylinder Extension for APPSIX-XX/AP6CYL-DK/SPNAP6-XX, 316 SS, Serialized

QLA

OEM Ref

Height Setting Tool (DEPSET-APP6) and Go/No Go Gauge (GNGDEP-APP6) are available for APP 6 cylinder on page 113.

ONE PIECE (LONG) CYLINDER



APP6IPC-01

16" (405mm)
APP 6 Rotating
Cylinder and
Extension
One Piece
Design, 316 SS,
Serialized

QLA
OEM Ref



APP6IPC-21

21" (533mm)
APP 6 Rotating
Cylinder and
Extension
One Piece
Design, 316 SS,
Serialized

QLA
OEM Ref



APP6IPC-01C

APP 6 Rotating
Cylinder and
Extension One
Piece Design
with 10mm
OD adapter for
Copley, 316 SS,
Serialized

QLA
OEM Ref



APP6IPC-DK

Detachable
APP 6 Rotating
Cylinder and
Extension One
Piece Design for
Distek, 316 SS,
Serialized

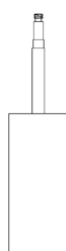
QLA
OEM Ref



APP6IPC-PT1

5.32" (135mm) APP 6
Rotating Cylinder and
Extension One Piece
Design with 10mm OD
for Pharmatest, 316
SS, Serialized (Upper
Shaft not included)

QLA
OEM Ref



SPNAP6IPC-01

Spin ON/OFF APP
6 Rotating Cylinder
and Extension One
Piece Design, 316 SS,
Serialized (Upper Shaft
available separately)
Agilent thread

QLA
OEM Ref

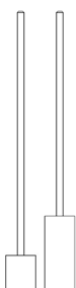


SPNAP6IPC-HRV

Spin ON/OFF APP
6 Rotating Cylinder
and Extension One
Piece Design for
Hanson Vision, 316
SS, Serialized (Upper
Shaft available
separately)

QLA
OEM Ref

CYLINDER (SHORT + LONG) SETS



APP6IPC-01SET

16" (405mm) APP
6 Rotating Cylinder
set which includes
(1) Rotating Cylinder
Only (short) and (1)
Rotating Cylinder/
Extension One Piece
Design (long), 316 SS,
Serialized

QLA
OEM Ref



APP6IPC-21SET

21" (533mm) APP 6
Rotating Cylinder set
which includes (1)
Rotating Cylinder Only
(short) and (1) Rotating
Cylinder/Extension One
Piece Design (long), 316
SS, Serialized

QLA
OEM Ref



APP6IPC-01CSET

APP 6 Rotating Cylinder
set which includes (1)
Rotating Cylinder Only
(short) and (1) Rotating
Cylinder/Extension One
Piece Design (long)
with 10mm OD adapter
for Copley, 316 SS,
Serialized

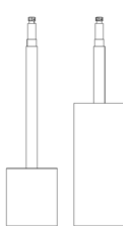
QLA
OEM Ref



APP6IPC-DKSET

Detachable APP 6
Rotating Cylinder set
which includes (1)
Rotating Cylinder Only
(short) and (1) Rotating
Cylinder/Extension
One Piece Design
(long) for Distek, 316
SS, Serialized (Upper
Shaft not included)

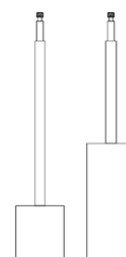
QLA
OEM Ref



SPNAP6IPC-01SET

Spin ON/OFF APP 6
Rotating Cylinder set
which includes (1)
Rotating Cylinder Only
(short) and (1) Rotating
Cylinder/Extension One
Piece Design (long),
316 SS, Serialized
(Upper Shaft available
separately) Agilent
thread

QLA
OEM Ref



SPNAP6IPC-HRVSET

Spin ON/OFF APP 6
Rotating Cylinder set
which includes (1)
Rotating Cylinder Only
(short) and (1) Rotating
Cylinder/Extension One
Piece Design (long) for
Hanson Vision, 316 SS,
Serialized (Upper Shaft
available separately)

QLA
OEM Ref

RECIPROCATING HOLDER

APPARATUS 7

AGILENT COMPATIBLE



GLA050-01

50mL Outer Clear
Glass Tube, Class B

**27-5135; G7972-
47000**

OEM Ref



GLA050-01CA

50mL Outer Clear
Glass Tube, Class A

QLA

OEM Ref



GLATUB- A/25x150mm

Amber Glass Tube 25
x 150mm

27-5160

OEM Ref



APP7AD-1.42

Angled Disk, PTFE
and 316 SS, 1.42" dia.

27-8036

OEM Ref



APP7AR-01

Acrylic Rod

27-3002

OEM Ref



APP7BSK-40

40 Mesh Mini Basket
with 3/8-24 UNF
Threaded End, 316
SS, Serialized, 1.3" L
x .60" OD

27-8620

OEM Ref



APP7BSK-50

50 Mesh Mini Basket
with 3/8-24 UNF
Threaded End, 316
SS, Serialized, 1.3" L
x .60" OD

27-8621

OEM Ref



APP7RD-5

Reciprocating Disk,
316 SS, 5cm sq (Alza
type)

27-8015

OEM Ref

FLOAT-A-LYZER® HOLDERS

Float-A-Lyzer® Holders can be used on most dissolution testers with paddle, basket shafts and small volume apparatus. Special cover may be required. Height setting tools are available. See page 113.



FLTHLD-BSKDK

Float-A-Lyzer® Holder for Distek Standard Push-On Style Basket Hub, Delrin (Use for 900mL to 2000mL. 1mL, 5mL or 10mL Float-A-Lyzer®)

QLA

OEM Ref



FLTHLD-BSKDK with Repligen Float-A-Lyzer® attached to Basket Shaft (Float-A-Lyzer® sold separately/not available from QLA)



FLTHLD-BSKDKC

Float-A-Lyzer® Holder for Distek Evolution Style Basket Hub, Delrin (Use for 900mL to 2000mL. 1mL, 5mL or 10mL Float-A-Lyzer®)

QLA

OEM Ref



FLTHLD-BSKHR

Float-A-Lyzer® Holder for Hanson Clip Style Basket Hub, Delrin (Use for 900mL to 2000mL. 1mL, 5mL or 10mL Float-A-Lyzer®)

QLA

OEM Ref



FLTHLD-BSKxx attached to Clip Style Basket Shaft



FLTHLD-BSKEW

Float-A-Lyzer® Holder for Erweka Clip Style Basket Hub, Delrin (Use for 900mL to 2000mL. 1mL, 5mL or 10mL Float-A-Lyzer®)

QLA

OEM Ref



FLTHLD-BSKPT

Float-A-Lyzer® Holder for Pharmatest Basket Hub, Delrin (Use for 900mL to 2000mL. 1mL, 5mL or 10mL Float-A-Lyzer®)

QLA

OEM Ref



FLTHLD-BSKSV

Float-A-Lyzer® Holder for QLA Small Volume Basket Shaft, Delrin . Use for 100mL to 200mL volumes. (1mL can be used with 100mL & 200mL and 5mL with 200mL only)

QLA

OEM Ref



FLTHLD-BSKVK

Float-A-Lyzer® Holder for Agilent/ VanKel Clip Style Basket Hub, Delrin (Use for 900mL to 2000mL. 1mL, 5mL or 10mL Float-A-Lyzer®)

12-2066

OEM Ref

**FLTHLD-PAD1**

Float-A-Lyzer® Holder with Adjustable Threaded Shaft for use with APP 2, 3.29" (83.5mm) length, 316 SS and Delrin (Bath Compatibility for 1mL= VanKel 700/710/7000/7010/705, Hanson SR8-Plus, all models of Distek, Electrolab, Erweka, Pharmatest and Logan; Bath Compatibility for 5mL= Agilent 708-DS, Hanson Vision Elite 8 & Classic 6)

QLA

OEM Ref

**FLTHLD-PAD2**

Float-A-Lyzer® Holder with Adjustable Threaded Shaft for use with APP 2, 4.64" (117.8mm) length, 316 SS and Delrin (Bath Compatibility for 1mL= Agilent 708-DS, Hanson Vision Elite 8 & Classic 6)

QLA

OEM Ref

**FLTHLD-PAD3**

Float-A-Lyzer® Holder with Adjustable Threaded Shaft for use with APP 2, 7.64" (194mm) length, 316 SS and Delrin (Bath Compatibility for 1mL & 5mL= Sotax Xtend using FLMNT-STX)

QLA

OEM Ref



FLTHLD-PADx with Repligen Float-A-Lyzer® attached to vessel cover (Float-A-Lyzer® sold separately/not available from QLA)

For Sotax AT7 and Xtend Baths, we have a few mounting options available when using the Float-A-Lyzer® Holder for APP 2.

FLMNT-STX

Float-A-Lyzer® Mount for Tablet Drop Port for Sotax Xtend (Cannot be used with Felodipine or Stationary Baskets)

QLA

OEM Ref

STAMNTKIT-ST

Stationary Basket Mounting Kit for Sotax AT7 Baths includes (6) STAMNT-ST, (1) STAGAUGE, (1) STAGUIDE with 950-05-62 Drill Bit and Installation Manual (including Felodipine & Float-A-Lyzer®)

QLA

OEM Ref

STAMNTKIT-STX

Felodipine & Float-A-Lyzer® Holder Mounting Kit for Sotax Xtend Baths includes (6) STAMNT-ST, (1) STAGAUGE, (1) STAGUIDE-STX with 950-05-62 Drill Bit and Installation Manual

QLA

OEM Ref

INTRINSIC DISSOLUTION

The main QLA Intrinsic Dissolution Apparatus is based on the conventional "Wood Appartus Design". This industry standard configuration has a long and successful history. A competitive configuration known as the "Rotating or Stationary Disk Design" requires a flat bottom dissolution vessel. The QLA design uses a standard round bottom dissolution vessel and provides better centering and easier dosage placement. Both designs are currently available.

WOOD APPARATUS DESIGN SETS

Part No.	Description	OEM Ref
IDASET-01	Intrinsic Dissolution Apparatus Complete Set includes 1 each of the following: IDASNH-01 (18" Shaft & Holder), IDAPCH-01 (8mm Punch), IDADIE-01 (8mm Die), IDAGST-01 (Gasket), IDAPLT-01 (Surface Plate)	QLA
IDASET-21	Intrinsic Dissolution Apparatus Complete Set includes 1 each of the following: IDASNH-21 (21" Shaft & Holder), IDAPCH-01 (8mm Punch), IDADIE-01 (8mm Die), IDAGST-01 (Gasket), IDAPLT-01 (Surface Plate). Can be used with Distek 2500, Agilent 708-DS and VanKel with O-Ring Spindle Assembly.	QLA
IDASET-COP	Intrinsic Dissolution Apparatus Complete Set for Copley Baths includes 1 each of the following: IDASNH-COP (Spin ON/OFF Holder-10mm OD adapter), IDAPCH-01 (8mm Punch), IDADIE-01 (8mm Die), IDAGST-01 (Gasket), IDAPLT-01 (Surface Plate)	QLA
IDASET-EL	Intrinsic Dissolution Apparatus Complete Set for Electrolab Baths includes 1 each of the following: IDASNH-EL (10.3" Shaft & Holder-10mm OD), IDAPCH-01 (8mm Punch), IDADIE-01 (8mm Die), IDAGST-01 (Gasket), IDAPLT-01 (Surface Plate)	QLA
IDASET-EW	Intrinsic Dissolution Apparatus Complete Set for Erweka Baths includes 1 each of the following: IDASNH-EW (18" Shaft & Holder-10mm OD), IDAPCH-01 (8mm Punch), IDADIE-01 (8mm Die), IDAGST-01 (Gasket), IDAPLT-01 (Surface Plate)	QLA
IDASET-EW193	Intrinsic Dissolution Apparatus Complete Set for Erweka Baths includes 1 each of the following: IDASNH-EW193 (19.3" Shaft & Holder-10mm OD), IDAPCH-01 (8mm Punch), IDADIE-01 (8mm Die), IDAGST-01 (Gasket), IDAPLT-01 (Surface Plate)	QLA
IDASET-HRV	Intrinsic Dissolution Apparatus Complete Set for Hanson Vision Elite 8 Baths includes 1 each of the following: IDASNH-HRV (19.48" Shaft & Holder), IDAPCH-01 (8mm Punch), IDADIE-01 (8mm Die), IDAGST-01 (Gasket), IDAPLT-01 (Surface Plate)	QLA
IDASNHSET-HRV6	Spin ON/OFF Intrinsic Holder Set for Hanson Vision Classic 6 Baths includes 1 each of the following: IDASHT-HRV6 (15" Upper Spin ON/OFF Shaft with Safety Clip Groove), IDACLIP-HRV6 (Safety Clip) and IDASNH-HRV6 (6.875" Spin ON/OFF Shaft & Holder)	QLA
IDASET-HRV6	Intrinsic Dissolution Apparatus Complete Set for Hanson Vision Classic 6 Baths includes 1 each of the following: IDASHT-HRV6 (15" Upper Spin ON/OFF Shaft with Safety Clip Groove), IDACLIP-HRV6 (Safety Clip), IDASNH-HRV6 (6.875" Spin ON/OFF Shaft & Holder), IDAPCH-01 (8mm Punch), IDADIE-01 (8mm Die), IDAGST-01 (Gasket), IDAPLT-01 (Surface Plate).	QLA
IDASET-PT	Intrinsic Dissolution Apparatus Complete Set for Pharmatest Baths includes 1 each of the following: IDASNH-PT (19.3" Shaft & Holder-10mm OD), IDAPCH-01 (8mm Punch), IDADIE-01 (8mm Die), IDAGST-01 (Gasket), IDAPLT-01 (Surface Plate)	QLA

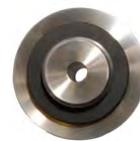


IDASET-XX

Part No.	Description	OEM Ref
IDASET-PT865	Intrinsic Dissolution Apparatus Complete Set for Pharmatest Baths includes 1 each of the following: IDASNH-PT865 (8.65" Shaft & Holder-10mm OD), IDAPCH-01 (8mm Punch), IDADIE-01 (8mm Die), IDAGST-01 (Gasket), IDAPLT-01 (Surface Plate)	QLA
IDASET-ST	Intrinsic Dissolution Apparatus Complete Set for Sotax Baths includes 1 each of the following: IDASNH-ST (10.2" Shaft & Holder- 10mm OD), IDAPCH-01 (8mm Punch), IDADIE-01 (8mm Die), IDAGST-01 (Gasket), IDAPLT-01 (Surface Plate)	QLA
IDASET-ST01	Intrinsic Dissolution Apparatus Complete Set for Sotax Baths includes 1 each of the following: IDASNH-ST01 (10.2" Shaft & Holder- 10mm OD old style shaft), IDAPCH-01 (8mm Punch), IDADIE-01 (8mm Die), IDAGST-01 (Gasket), IDAPLT-01 (Surface Plate)	QLA

INDIVIDUAL COMPONENTS

Part No.	Description	OEM Ref
IDADIE-01	8mm Intrinsic Die includes Gasket (IDAGST-01) and Nylon Screws, Electropolished 316 SS, Serialized	QLA
IDAGST-01	Intrinsic Gasket for IDADIE-01	QLA
IDAPCH-01	8mm Intrinsic Punch and Handle, Serialized	QLA
IDAPLT-01	Intrinsic Surface Plate with Screws, Serialized	QLA
IDASNH-01	18" (457mm) Intrinsic 3/8" (9.5mm) OD Shaft & Holder, Electropolished 316 SS, Serialized	QLA
IDASNH-21	21" (535mm) Intrinsic 3/8" (9.5mm) OD Shaft & Holder, Electropolished 316 SS, Serialized. Can be used with Distek 2500, Agilent 708-DS and VanKel with O-Ring Spindle Assembly.	QLA
IDASNH-COP	Spin ON/OFF Intrinsic Holder with 10mm OD adapter for Copley, Electropolished 316 SS, Serialized	QLA
IDASNH-EL	10.3" (262mm) Intrinsic 10mm OD Shaft & Holder for Electrolab, Electropolished 316 SS, Serialized	QLA
IDASNH-EW	18" (457mm) Intrinsic 10mm OD Shaft & Holder for Erweka, Electropolished 316 SS, Serialized	QLA
IDASNH-EW193	19.3" (490mm) Intrinsic 10mm OD Shaft & Holder for Erweka, Electropolished 316 SS, Serialized	QLA
IDASNH-HRV	19.48" (495mm) Intrinsic 3/8" (9.5mm) OD Shaft & Holder for Hanson Elite 8, Electropolished 316 SS, Serialized	QLA
IDASNH-HRV6	Spin ON/OFF Intrinsic Shaft & Holder for Hanson Vision Classic 6, Electropolished 316 SS, Serialized. Length 6.875" (174.6mm)	QLA



IDADIE-01



IDAGST-01



IDAPCH-01



IDAPLT-01

Part No.	Description	OEM Ref
IDASHT-HRV6	15" (380mm) Spin ON/OFF Intrinsic Upper Shaft with Safety Clip Groove for Hanson Vision Classic 6, 316 SS, Serialized (NOTE: This is not a standard Hanson threaded upper shaft and will not fit with Hanson lower paddles or basket shafts. Must be used with IDASNH-HRV6 and IDACLIP-HRV6 only.)	QLA
IDACLIP-HRV6	Safety Clip for IDASHT-HRV6 for Hanson Vision Classic 6, Delrin and 316 SS	QLA
IDASNH-PT	19.3" (490mm) Intrinsic 10mm OD Shaft & Holder for Pharmatest, Electropolished 316 SS, Serialized	QLA
IDASNH-PT865	8.65" (221mm) Intrinsic 10mm OD Shaft & Holder for Pharmatest, Electropolished 316 SS, Serialized	QLA
IDASNH-ST	10.2" (260mm) Intrinsic 10mm OD Shaft & Holder for Sotax, Electropolished 316 SS, Serialized	QLA
IDASNH-ST01	10.2" (260mm) Intrinsic 10mm OD Shaft & Holder for Sotax (old style shaft), Electropolished 316 SS, Serialized	QLA



IDASNH-XX

ROTATING OR STATIONARY DISK DESIGN FOR DISTEK BATHS ONLY

Part No.	Description	OEM Ref
IDASET-SDDK	Intrinsic Dissolution Apparatus, Paddle over Stationary Disk, Complete Set includes 1 each of the following: GLA9SD-DK (Flat Bottom Vessel), Punch, Die, Gasket, Seal Cap with Magnet, Wrench, Surface Plate and Extraction Tool for Distek Baths (MOQ 6 pcs)	2800-0168
GLA9SD-DK	1000mL Clear Glass Vessel with Flat Bottom for Intrinsic Dissolution Stationary Disk for Distek Baths, Serialized, Acculign Ring included (MOQ 6 pcs)	3010-0022



Image for illustration purposes only.
Actual product specifications and appearance may vary.

INTRINSIC PRESS

Quality Lab Accessories offers a hydraulic Intrinsic Tablet Press which is a cost-effective and portable device used to compress powdered materials into sample tablets. It operates by pumping a handle to compress the powder between punches and dies, making it ideal for small-scale production and laboratory use. It is capable of producing a pressure of 15 MPa and compatible with many Intrinsic Dissolution Sets, including QLA's.

IDAPRS-UN

Universal Intrinsic Tablet Press

Dimensions:
Available Upon Request

Weight:
Available Upon Request

EXPECTED RELEASE 2026

SMALL VOLUME ACCESSORIES

SMALL VOLUME AND CHINESE SMALL VOLUME DISSOLUTION

Small volume dissolution is used when standard 1L dissolution vessels have too much volume for the API to be detectable during analysis.

Typical volumes for small volume dissolution vessels range from 50 mL to 250 mL depending on the manufacturer and design. For the US Pharmacopeia, there is not a standardized design for small volume dissolution.

For stirring, some designs may make use of the standard dissolution Apparatus 1 (baskets) and 2 (paddles), but most use a smaller version scaled to better match the dimensions of the small volume dissolution vessel.

The Chinese Pharmacopeia does provide a standardized apparatus for small volume dissolution testing.

KEY CONSIDERATIONS

CHINESE SMALL VOLUME OR OTHER?

Since the USP has not standardized Small Volume dissolution testing apparatus, this means that from manufacturer to manufacturer, the vessel dimensions and apparatus design may differ significantly. For automated systems, this may be preferable as most dissolution bath manufacturers will have some level of support for their own small volume equipment.

The Chinese Small Volume design is standardized (250 mL and paddle method only) and adapters are available to fit most dissolution testers. This can be advantageous when considering method transfer as both labs would be able to run an identical design even if the dissolution tester manufacturers are different.

QLA has developed our own design for small volume and Chinese small volume vessels and shaft adapters to fit with most bath manufacturers and models. Please speak with your QLA Sales Rep for more information regarding your specific needs.

CARE AND MAINTENANCE

Adapting a dissolution tester to use small volume requires both vessel adapters for the mini-vessels and adapters for the apparatus (paddles/baskets). It is important to note the make and model of the dissolution tester when selecting components for a small volume application.

AGILENT COMPATIBLE

(Includes legacy VanKel)

Note: See Small Volume and Chinese Small Volume Calibration tools and tool kit on page 115.



**GLA100-DK**

100mL Clear Glass Vessel for Distek & QLA Small Volume, Serialized

**GLA100-AD**

100mL Amber Glass Vessel for Distek & QLA Small Volume, Serialized

**GLA100-VK**

100mL Clear Glass Vessel for Agilent/VanKel Small Volume Design, Serialized

12-5040

OEM Ref

**GLA100-AV**

100mL Amber Glass Vessel for Agilent/VanKel Small Volume Design, Serialized

12-5041

OEM Ref

**GLA100PK-DK**

100mL Clear Glass Apex Vessel for Distek & QLA Small Volume, Serialized

**GLA200-DK**

200mL Clear Glass Vessel for Distek & QLA Small Volume, Serialized

**GLA200-AD**

200mL Amber Glass Vessel for Distek & QLA Small Volume, Serialized

**GLA200-VK**

200mL Clear Glass Vessel for Agilent/VanKel Small Volume Design, Serialized

12-5050

OEM Ref

**GLA200-AV**

200mL Amber Glass Vessel for Agilent/VanKel Small Volume Design, Serialized

12-5051

OEM Ref

**NDT10-HR**

10" (254mm) Spin ON/OFF Upper Shaft for Small Volume Dissolution and Hanson SR8-Plus Baths, 316 SS, Serialized

**LCB15-HR**

15" (380mm) Spin ON/OFF Upper Shaft for Small Volume Dissolution and Hanson Vision Classic 6 Baths, 316 SS, Serialized

**MINPSHAFT**

Small Volume Spin ON/OFF Paddle, Electropolished 316 SS, Serialized (Use with Upper Shaft LCB15-HR, NDT10-HR, NDT12-HR)

**MINPSHAFT-NPD**

Small Volume Spin ON/OFF Paddle, PTFE Coated over 316 SS, Serialized (Use with Upper Shaft LCB15-HR, NDT10-HR, NDT12-HR)

**MINBSHAFT**

Small Volume Spin ON/OFF Basket Shaft, 316 SS, Serialized (Use with Upper Shaft LCB15-HR, NDT10-HR, NDT12-HR)

**MINBSK-10**

Small Volume 10 Mesh Mini Basket, 316 SS, Serialized

**MINBSK-20**

Small Volume 20 Mesh Mini Basket, 316 SS, Serialized

**MINBSK-40**

Small Volume
40 Mesh Mini
Basket, 316 SS,
Serialized

**MINBSK-100**

Small Volume 100
Mesh Mini Basket,
316 SS, Serialized

**SPNEPD-MINI**

Small Volume
Spin ON/OFF
(Mini) Paddle,
Electropolished
316 SS, Serialized
(QLA/Agilent
Thread - Upper
Shaft available
separately)

13-3608;
14-3608

OEM Ref

**SPNNPD-MINI**

Small Volume
Spin ON/OFF
(Mini) Paddle,
PTFE Coated
over 316 SS,
Serialized
(QLA/Agilent
Thread - Upper
Shaft available
separately)

13-3607;
14-3607

OEM Ref

**SPNBSK-MINI**

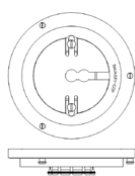
Small Volume
Spin ON/OFF
(Mini) Basket
Shaft, 316
SS, Serialized
(QLA/Agilent
Thread - Upper
Shaft available
separately)

13-3636;
14-3636

OEM Ref

**RCA-SMV-VK**

Resident Cannula
Adapter for
VK8000 auto-
sampler probes
and QLA Small
Volume Assembly
Cover (SMVCVR-
UN)

COPLEY COMPATIBLE**SMVASSY-COP**

Small Volume
Adapter for
Copley Baths
includes Cover
and RING01-COP
(QLA design use
QLA#GLA100-DK
or GLA200-DK
vessels)

**GLA100-DK**

100mL Clear
Glass Vessel for
Distek & QLA
Small Volume,
Serialized

**GLA100-AD**

100mL Amber
Glass Vessel for
Distek & QLA
Small Volume,
Serialized

**GLA100PK-DK**

100mL Clear
Glass Apex
Vessel for
Distek & QLA
Small Volume,
Serialized

**GLA200-DK**

200mL Clear
Glass Vessel for
Distek & QLA
Small Volume,
Serialized

**GLA200-AD**

200mL Amber
Glass Vessel for
Distek & QLA
Small Volume,
Serialized

Distek COMPATIBLE**SMVASSY-DK**

Small Volume Adapter Assembly for Distek 2100, 2500 and 6300 Baths includes Cover (QLA design use QLA#GLA100-DK or GLA200-DK vessels and RING01-DK)

**SMVASSY-ACCU**

Small Volume Adapter Assembly for AccuBracket includes Cover (QLA design use QLA#GLA100-DK or GLA200-DK vessels)

**GLA100-DK**

100mL Clear Glass Vessel for Distek & QLA Small Volume, Serialized

**GLA100-AD**

100mL Amber Glass Vessel for Distek & QLA Small Volume, Serialized

**GLA100PK-DK**

100mL Clear Glass Apex Vessel for Distek & QLA Small Volume, Serialized

**GLA200-DK**

200mL Clear Glass Vessel for Distek & QLA Small Volume, Serialized

**GLA200-AD**

200mL Amber Glass Vessel for Distek & QLA Small Volume, Serialized

**NDT10-HR**

10" (254mm) Spin ON/OFF Upper Shaft for Small Volume Dissolution and Hanson SR8-Plus Baths, 316 SS, Serialized

**LCB15-HR**

15" (380mm) Spin ON/OFF Upper Shaft for Small Volume Dissolution and Hanson Vision Classic 6 Baths, 316 SS, Serialized

**MINPSHAFT**

Small Volume Spin ON/OFF Paddle, Electropolished 316 SS, Serialized (Use with Upper Shaft LCB15-HR, NDT10-HR, NDT12-HR)

**MINPSHAFT-NPD**

Small Volume Spin ON/OFF Paddle, PTFE Coated over 316 SS, Serialized (Use with Upper Shaft LCB15-HR, NDT10-HR, NDT12-HR)

**MINBSHAFT**

Small Volume Spin ON/OFF Basket Shaft, 316 SS, Serialized (Use with Upper Shaft LCB15-HR, NDT10-HR, NDT12-HR)

**MINBSK-10**

Small Volume 10 Mesh Mini Basket, 316 SS, Serialized

**MINBSK-20**

Small Volume 20 Mesh Mini Basket, 316 SS, Serialized

**MINBSK-40**

Small Volume 40 Mesh Mini Basket, 316 SS, Serialized

**MINBSK-100**

Small Volume 100 Mesh Mini Basket, 316 SS, Serialized

ELECTROLAB COMPATIBLE

Part No.	Description
SMVASSY-EL	Small Volume Adapter for Electrolab Baths includes Cover (QLA design use QLA#GLA100-EL or GLA200-EL vessels)
GLA100-EL	100mL Clear Glass Vessel for QLA Small Volume for Electrolab, Serialized
GLA100-AEL	100mL Amber Glass Vessel for QLA Small Volume for Electrolab, Serialized
SPNSHT-SVEL	Spin ON/OFF 4.6" (117mm) Upper Shaft with 10mm OD for Electrolab Small Volume, 316 SS, Serialized
MINPSHAFT-EL10010	Small Volume Spin ON/OFF Paddle with 10mm OD for Electrolab Baths for GLA100-EL vessel and 10mm height, Electropolished 316 SS, Serialized (Use with Upper Shaft SPNSHT-SVEL)
MINPSHAFT-EL10015	Small Volume Spin ON/OFF Paddle with 10mm OD for Electrolab Baths for GLA100-EL vessel and 15mm height, Electropolished 316 SS, Serialized (Use with Upper Shaft SPNSHT-SVEL)
MINPSHAFT-EL10025	Small Volume Spin ON/OFF Paddle with 10mm OD for Electrolab Baths for GLA100-EL vessel and 25mm height, Electropolished 316 SS, Serialized (Use with Upper Shaft SPNSHT-SVEL)
MINPSHAFT-NPDEL10010	Small Volume Spin ON/OFF Paddle with 10mm OD for Electrolab Baths for GLA100-EL vessel and 10mm height, PTFE Coated over 316 SS, Serialized (Use with Upper Shaft SPNSHT-SVEL)
MINPSHAFT-NPDEL10015	Small Volume Spin ON/OFF Paddle with 10mm OD for Electrolab Baths for GLA100-EL vessel and 15mm height, PTFE Coated over 316 SS, Serialized (Use with Upper Shaft SPNSHT-SVEL)
MINPSHAFT-NPDEL10025	Small Volume Spin ON/OFF Paddle with 10mm OD for Electrolab Baths for GLA100-EL vessel and 25mm height, PTFE Coated over 316 SS, Serialized (Use with Upper Shaft SPNSHT-SVEL)



Did you know?

Quality Lab Accessories has been ISO 9001 certified since 2013. We continue to remain certified through the British Standard Institution, BSI, an International Auditing body recognized in over 195 countries.

Erweka COMPATIBLE**SMVASSY-EW**

Small Volume Adapter for Erweka Baths includes Cover and RING-SVEW (QLA design use QLA#GLA100-DK or GLA200-DK vessels)

**GLA100-DK**

100mL Clear Glass Vessel for Distek & QLA Small Volume, Serialized

**GLA100-AD**

100mL Amber Glass Vessel for Distek & QLA Small Volume, Serialized

**GLA100PK-DK**

100mL Clear Glass Apex Vessel for Distek & QLA Small Volume, Serialized

**GLA200-DK**

200mL Clear Glass Vessel for Distek & QLA Small Volume, Serialized

**GLA200-AD**

200mL Amber Glass Vessel for Distek & QLA Small Volume, Serialized

**GLA100-EW**

100mL Clear Glass Vessel for Distek & QLA Small Volume, Serialized

**NDT10-10MM**

10" (254mm) Spin ON/OFF Small Volume Upper Shaft with 10mm OD, 316 SS, Serialized

**LCB15-10MM**

15" (380mm) Spin ON/OFF Small Volume Upper Shaft with 10mm OD, 316 SS, Serialized

**MINPSHAFT-10MM**

Small Volume Spin ON/OFF Paddle with 10mm OD, Electropolished 316 SS, Serialized (Use with Upper Shaft NDT10-10MM, LCB15-10MM)

**MINBSHAFT-10MM**

Small Volume Spin ON/OFF Basket Shaft with 10mm OD, 316 SS, Serialized (Use with Upper Shaft NDT10-10MM, LCB15-10MM)

**MINBSK-10**

Small Volume 10 Mesh Mini Basket, 316 SS, Serialized

**MINBSK-20**

Small Volume 20 Mesh Mini Basket, 316 SS, Serialized

**MINBSK-40**

Small Volume 40 Mesh Mini Basket, 316 SS, Serialized

**MINBSK-100**

Small Volume 100 Mesh Mini Basket, 316 SS, Serialized

Teledyne Hanson COMPATIBLE

SMVASSY-HR

Small Volume Adapter Assembly for Hanson SR8-Plus Baths includes Cover (QLA design use QLA#GLA100-DK or GLA200-DK vessels)


SMVASSY-HRV

Small Volume Adapter Assembly for Hanson Vision Baths includes Cover (QLA design use QLA#GLA100-DK or GLA200-DK vessels)


SMVASSY-ACCU

Small Volume Adapter Assembly for AccuBracket includes Cover (QLA design use QLA#GLA100-DK or GLA200-DK vessels)


GLA100-DK

100mL Clear Glass Vessel for Distek & QLA Small Volume, Serialized


GLA100-AD

100mL Amber Glass Vessel for Distek & QLA Small Volume, Serialized


GLA100PK-DK

100mL Clear Glass Apex Vessel for Distek & QLA Small Volume, Serialized


GLA200-DK

200mL Clear Glass Vessel for Distek & QLA Small Volume, Serialized


GLA200-AD

200mL Amber Glass Vessel for Distek & QLA Small Volume, Serialized


GLA150-HR

150mL Clear Glass Vessel for Hanson SR8-Plus Small Volume, Serialized

72-600-573

OEM Ref


GLA150-AH

150mL Amber Glass Vessel for Hanson SR8-Plus Small Volume, Serialized

72-600-583

OEM Ref


GLA150-HRV

150mL Clear Glass Vessel for Hanson Vision Small Volume, Serialized

74-105-151

OEM Ref


GLA150-AHRV

150mL Amber Glass Vessel for Hanson Vision Small Volume, Serialized

74-105-161

OEM Ref


NDT10-HR

10" (254mm) Spin ON/OFF Upper Shaft for Small Volume Dissolution and Hanson SR8-Plus Baths, 316 SS, Serialized

74-105-050

OEM Ref


NDT12-HR

12" (305mm) Spin ON/OFF Upper Shaft for Small Volume Dissolution and Hanson Vision Elite 8 Baths, 316 SS, Serialized

74-205-049

OEM Ref


LCB15-HR

15" (380mm) Spin ON/OFF Upper Shaft for Small Volume Dissolution and Hanson Vision Classic 6 Baths, 316 SS, Serialized

74-205-050

OEM Ref


MINPSHAFT

Small Volume Spin ON/OFF Paddle, Electropolished 316 SS, Serialized (Use with Upper Shaft LCB15-HR, NDT10-HR, NDT12-HR)

**MINPSHAFT-NPD**

Small Volume Spin ON/OFF Paddle, PTFE Coated over 316 SS, Serialized (Use with Upper Shaft LCB15-HR, NDT10-HR, NDT12-HR)

**MINEPD-HRV**

Small Volume Spin ON/OFF Paddle for Hanson Vision, Electropolished 316 SS, Serialized (Use with Upper Shaft LCB15-HR, NDT10-HR, NDT12-HR)

74-105-204

OEM Ref

**MINNPD-HRV**

Small Volume Spin ON/OFF Paddle for Hanson Vision, PTFE Coated over 316 SS, Serialized (Use with Upper Shaft LCB15-HR, NDT10-HR, NDT12-HR)

74-105-203

OEM Ref

**MINBSHAFT**

Small Volume Spin ON/OFF Basket Shaft, 316 SS, Serialized (Use with Upper Shaft LCB15-HR, NDT10-HR, NDT12-HR)

**MINBSHAFT-HRV**

Small Volume Spin ON/OFF Basket Shaft for Hanson Vision, 316 SS, Serialized (Use with Upper Shaft LCB15-HR, NDT10-HR, NDT12-HR)

74-105-220

OEM Ref

**MINBSK-10**

Small Volume 10 Mesh Mini Basket, 316 SS, Serialized

**MINBSK-20**

Small Volume 20 Mesh Mini Basket, 316 SS, Serialized

**MINBSK-40**

Small Volume 40 Mesh Mini Basket, 316 SS, Serialized

**MINBSK-100**

Small Volume 100 Mesh Mini Basket, 316 SS, Serialized

**RCSV-HR**

Small Volume Resident Cannula with Staggered Fitting for Hanson

74-104-211

OEM Ref

**CANADJ-HR2**

Fixed Vessel Mount 1/16" (1.6mm) Sample Probe with Stopper & Nut for Hanson Vision (Small Vol, Oint Cell, APP 3)

74-104-204

OEM Ref

Sotax COMPATIBLE**EPD012-STSV**

12.93" (328.5mm) Mini Paddle with 10mm OD for Sotax Small Volume, Electropolished 316 SS, Serialized

**GLA100-ST**

100mL Clear Glass Vessel for Sotax AT7 Smart Small Volume, Serialized

10583

OEM Ref

**GLA100-STX**

100mL Clear Glass Vessel for Sotax Xtend Small Volume, Serialized

CHINESE PHARMACOPEIA SMALL VOLUME ACCESSORIES

AGILENT COMPATIBLE

(Includes legacy VanKel)

Note: See Small Volume and Chinese Small Volume Calibration tools and tool kit on page 115.



SMVASSY-VKCP

Chinese Pharmacopeia Small Volume Adapter Assembly for Legacy VanKel Baths includes Cover (QLA design use QLA# GLA250-CP vessel)



SMVASSY-ACCUCP

Chinese Pharmacopeia Small Volume Adapter Assembly for AccuBracket includes Cover (QLA design use QLA# GLA250-CP vessel)



SMVASSY-70XCP

Chinese Pharmacopeia Small Volume Adapter Assembly for Agilent 708-DS Baths includes Cover (QLA design use QLA#GLA250-CP vessel)



GLA250-CP

250mL Clear Glass Vessel for QLA design Chinese Pharmacopeia Small Volume Assembly (SMVASSY-xxCP), Serialized



GLA250-ACP

250mL Amber Glass Vessel for QLA design Chinese Pharmacopeia Small Volume Assembly (SMVASSY-xxCP), Serialized



NDT10-HR

10" (254mm) Spin ON/OFF Upper Shaft for Small Volume Dissolution and Hanson SR8-Plus Baths, 316 SS, Serialized



LCB15-HR

15" (380mm) Spin ON/OFF Upper Shaft for Small Volume Dissolution and Hanson Vision Classic 6 Baths, 316 SS, Serialized



MINPSHAFT-CP

Small Volume Spin ON/OFF Paddle for Chinese Pharmacopeia, Electropolished 316 SS, Serialized (Use with Upper Shaft LCB15-HR, NDT10-HR, NDT12-HR)



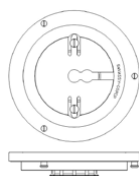
SPNEPD-CPMINI

Small Volume Spin ON/OFF (Mini) Paddle for Chinese Pharmacopeia, Electropolished 316 SS, Serialized (QLA/Agilent Thread - Upper Shaft available separately)

14-1449

OEM Ref

COPLEY COMPATIBLE



SMVASSY-COPCP

Chinese Pharmacopeia Small Volume Adapter Assembly for Copley Baths includes Cover and RING01-COP (QLA design use QLA#GLA250-CP vessel)



GLA250-CP

250mL Clear Glass Vessel for QLA design Chinese Pharmacopeia Small Volume Assembly (SMVASSY-xxCP), Serialized

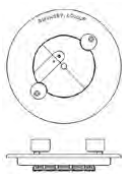


GLA250-ACP

250mL Amber Glass Vessel for QLA design Chinese Pharmacopeia Small Volume Assembly (SMVASSY-xxCP), Serialized

Distek COMPATIBLE**SMVASSY-DKCP**

Chinese Pharmacopeia Small Volume Assembly for Distek 2100, 2500 and 6300 Baths includes cover (QLA design use QLA#GLA250-CP vessel and RING01-DK)

**SMVASSY-ACCUCP**

Chinese Pharmacopeia Small Volume Adapter Assembly for AccuBracket includes Cover (QLA design use QLA# GLA250-CP vessel)

**GLA250-CP**

250mL Clear Glass Vessel for QLA design Chinese Pharmacopeia Small Volume Assembly (SMVASSY-xxCP), Serialized

**GLA250-ACP**

250mL Amber Glass Vessel for QLA design Chinese Pharmacopeia Small Volume Assembly (SMVASSY-xxCP), Serialized

**GLA250-DKCP**

250mL Clear Glass Vessel for Distek Chinese Pharmacopeia Small Volume, Serialized

3010-0090

OEM Ref

**GLA250PK-DKCP**

250mL Clear Glass Apex Vessel for Distek Chinese Pharmacopeia Small Volume, Serialized

**NDT10-HR**

10" (254mm) Spin ON/OFF Upper Shaft for Small Volume Dissolution and Hanson SR8-Plus Baths, 316 SS, Serialized

**LCB15-HR**

15" (380mm) Spin ON/OFF Upper Shaft for Small Volume Dissolution and Hanson Vision Classic 6 Baths, 316 SS, Serialized

ERWEKA COMPATIBLE**MINPSHAFT-CP**

Small Volume Spin ON/OFF Paddle for Chinese Pharmacopeia, Electropolished 316 SS, Serialized (Use with Upper Shaft LCB15-HR, NDT10-HR, NDT12-HR)

**SMVASSY-EWCP**

Chinese Pharmacopeia Small Volume Adapter Assembly for Erweka Baths includes Cover and RING-SVEW (QLA design use QLA#GLA250-CP vessel)

**GLA250-CP**

250mL Clear Glass Vessel for QLA design Chinese Pharmacopeia Small Volume Assembly (SMVASSY-xxCP), Serialized

**GLA250-ACP**

250mL Amber Glass Vessel for QLA design Chinese Pharmacopeia Small Volume Assembly (SMVASSY-xxCP), Serialized

**NDT10-10MM**

10" (254mm) Spin ON/OFF Small Volume Upper Shaft with 10mm OD, 316 SS, Serialized

**LCB15-10MM**

15" (380mm) Spin ON/OFF Small Volume Upper Shaft with 10mm OD, 316 SS, Serialized

Teledyne Hanson COMPATIBLE



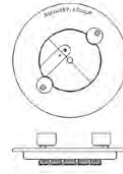
SMVASSY-HRCP

Chinese Pharmacopeia Small Volume Adapter Assembly for Hanson SR8-Plus Baths includes Cover (QLA design use QLA#GLA250-CP vessel)



SMVASSY-HRVCP

Chinese Pharmacopeia Small Volume Adapter Assembly for Hanson Vision Baths includes Cover (QLA design use QLA#GLA250-CP vessel)



SMVASSY-ACCUCP

Chinese Pharmacopeia Small Volume Adapter Assembly for AccuBracket includes Cover (QLA design use QLA#GLA250-CP)



GLA250-CP

250mL Clear Glass Vessel for QLA design Chinese Pharmacopeia Small Volume Assembly (SMVASSY-xxCP), Serialized



GLA250-ACP

250mL Amber Glass Vessel for QLA design Chinese Pharmacopeia Small Volume Assembly (SMVASSY-xxCP), Serialized



GLA250-HRV

250mL Clear Glass Vessel for Hanson Chinese Pharmacopeia Small Volume Adapter for Hanson Vision Baths, Serialized

74-105-280

OEM Ref



GLA250PK-HRV

250mL Clear Glass Apex Vessel for Hanson Chinese Pharmacopeia Small Volume Adapter for Hanson Vision Baths, Serialized



NDT10-HR

10" (254mm) Spin ON/OFF Upper Shaft for Small Volume Dissolution and Hanson SR8-Plus Baths, 316 SS, Serialized

74-105-050

OEM Ref



NDT12-HR

12" (305mm) Spin ON/OFF Upper Shaft for Small Volume Dissolution and Hanson Vision Elite 8 Baths, 316 SS, Serialized

74-205-049

OEM Ref



LCB15-HR

15" (380mm) Spin ON/OFF Upper Shaft for Small Volume Dissolution and Hanson Vision Classic 6 Baths, 316 SS, Serialized

74-205-050

OEM Ref



MINPSHAFT-CP

Small Volume Spin ON/OFF Paddle for Chinese Pharmacopeia, Electropolished 316 SS, Serialized (Use with Upper Shaft LCB15-HR, NDT10-HR, NDT12-HR)

SOTAX COMPATIBLE



GLA250-STCP

250mL Clear Glass Vessel for Sotax Chinese Pharmacopeia Small Volume, Serialized

09650

OEM Ref



GLA250-STXCP

250mL Clear Glass Vessel for Sotax Xtend Chinese Pharmacopeia Small Volume, Serialized

14536-01

OEM Ref

MANUAL SAMPLING CANNULA OPTION



CAN475-062L

4.75" (120mm) Bent 316 SS 1/16" (1.6mm) OD Cannula with Kynar Luer Lock



CANSTP-065-53

1/16" (1.6mm) OD Cannula Stopper for Distek or QLA Small Volume Cover



CALIBRATION TOOLS

CONTROLLING HARDWARE VARIABLES

It is important to not only ensure the dissolution bath is working as intended and giving precise and reproducible results, but also to meet the USP or ASTM physical specification. The ASTM variables are tighter as they rely only on the physical measurement whereas the USP also requires a test using calibrator tablets.

KEY CONSIDERATIONS

The variables are:

Specification	ASTM	USP
Shaft Wobble	1.0mm Max.	No significant wobble
Shaft Verticality	Must be vertical, bubble within the lines	Not defined
Basket Wobble	1.0mm Max. at bottom rim	1.0mm Max. at bottom rim
Vessel Centering	1.0mm Max.	2.0mm Max.
Paddle/Basket Height	+/- 8% or +/- 2.0mm	+/- 2.0mm
Rotation	2% or +/- 2 rpm	+/- 4%
Temperature	+/- 0.5°C	+/- 0.5°C
Vibration	No significant vibration	No significant vibration
Vessel verticality	1° from vertical Max.	Not specified

QLA provides a comprehensive set of validation tools to measure these variables. All tools are serialized and supplied with a one-year certificate of calibration which is calibrated with standards traceable to NIST.

Wobble Meter (WOBMET-UN, WOBMET-HRV, WOBMET-HRCD, WOBMET-FH) — The Wobble Meter uses a special vessel cover that fits securely inside the top of the vessel. The gauge is firmly attached to this cover then placed against the shaft or basket. The shaft is then rotated at a slow speed and the wobble (displacement) is displayed on the easy-to-read dial. The gauge works with all open dissolution baths (where you can access the vessel during the test).

Vibration Meter (VIBMET-UN) — This simple Vibration Meter allows you to quickly assess vibration levels and ensure that low levels are maintained when new equipment is introduced into the lab or after routine bath maintenance. It uses digital electronics but is equipped with an analog needle display. For this type of device, an analog display is better than a digital one because it gives a much better feel for the nature of the vibrations.

The meter uses an accelerometer probe that is calibrated to the meter as a matched set. The probe end has a custom mounting block that is compatible with most dissolution instruments.

Universal Level (LEVEL-UN) — The bath's vessel plate must be level to ensure the bath has been properly set up. Baths are equipped with adjustable feet which may be adjusted while

observing the Universal Level to achieve vessel plate levelness. The certified level is a simple circular, bubble level that allows quick and easy verification of the vessel plate level in all directions at once.

Verticality Meter (VERTMET-MI) — This Digital Verticality Meter is a highly precise device which permits accurate measurement of shaft and vessel verticality as required by the ASTM Specification. The meter is suitable for any open dissolution bath where vessels and shafts are accessible. The meter requires a simple user calibration at each time of use.

Depth Setting Tools (DEPSET-xx, DEPGAG-VK, DPSET-1015) — QLA offers multiple tools for setting the height of the basket/paddle (use DDAPT-xx to measure the height). See descriptions and pictures to identify which style will best suit the needs of your laboratory.

To set the correct depth, simply place the gauge at the bottom of the vessel, lower the basket or paddle until it touches the spacer and lock the shaft into position.

Digital Depth Gauge (DDAPT-xx) — Our Digital Depth Gauges are extremely precise instruments used to accurately measure the basket/paddle distance from the vessel's spherical bottom. This allows basket or paddle height to be determined within .01mm. They are made to fit most open access dissolution baths. Replacement Arms are available separately for DDAPT-Q only.

Optical Tachometer (TACHOM-UN) — The most accurate method of measuring the rotational speed is by using an Optical Tachometer. A reflective sticker is placed on the shaft or shaft drive. The Optical Tachometer shines an infrared light on to the shaft at this point. The reflection is then measured at every rotation, giving an accurate reading of the rotational speed. The tachometer can be used on all dissolution baths.

Centering Gauge (CNTGAG-MI/CNTGAG-MI2) — The Centering Gauge comes with a 3/8" OD surrogate shaft that fits directly into the shaft drive. A 10mm OD surrogate shaft (EUROINDC-M) is also available separately in addition to other OEM adapters. This removes the chance of the reading being affected by a bent shaft. The gauge may be placed near the vessel top and bottom (beginning of the spherical radius). This allows the impact of vessel verticality on centering to be evaluated. The spindle is rotated slowly and the measuring arm follows the inside of the vessel perimeter. Deviation from the center position can be directly read from the dial, which always faces the operator.

The gauge works on most open access baths. For bathless systems where the shaft cannot be easily removed, the gauge fits directly onto the bottom of the shaft once the basket hub or paddle is removed.

Calibrated Thermometer (THERMD-LC) — The digital Calibrated Thermometer is an extremely accurate thermistor-based low-cost thermometer. It is ideal for validating dissolution bath and media temperatures as well as general lab use. A simple switch lets you set the digital display to show either Celsius or Fahrenheit readings. The thermometer is supplied with a certificate of calibration.

Validation Tool Kits (VALTOL-KT2 & VALTOL-ASTM) — Our Validation Tool Kits contain everything necessary to make a complete calibration of a dissolution bath.

- The VALTOL-KT2 standard tool kit contains a Centering Gauge, Precision Level, Wobble Meter, Go/No Go Gauge (this is used to verify that the height is more than 23mm but less than 27mm) and a 25mm Depth Set Tool.
- The VALTOL-ASTM Tool Kit is the same as the KT2 kit but also includes the verticality meter and manual verticality tools.

Both kits contain instruction manuals, together with individual certificates of calibration.

Calibration Tools



CNTGAG-MI

Vessel Centering Gauge, Original Style Dial Faceplate (calculation required), Multi-Instrument

QLA
OEM Ref



CNTGAG-MI2

Vessel Centering Gauge, New Style Dial Faceplate (no calculation needed), Multi-Instrument

QLA
OEM Ref



ADPTR-ASTM

ASTM Spin Shaft Adapter for use with CNTGAG-MI/MI2, 316 SS

QLA
OEM Ref



ADPTR-EL

Electrolab Adapter for use with CNTGAG-MI/MI2, 316 SS

QLA
OEM Ref



ADPTRKIT-EW

Erweka Adapter Kit for use with CNTGAG-MI/MI2 includes (1) 5mm and (1) 6mm thread adapters, 316 SS

QLA
OEM Ref



ADPTR-HR

Hanson Adapter for use with CNTGAG-MI/MI2, 316 SS

QLA
OEM Ref



ADPTR-PT

Pharmatest Adapter for use with CNTGAG-MI/MI2 (M8 thread= 8mm), 316 SS

QLA
OEM Ref



ADPTR-ST

Sotax (with in shaft sampling upper shaft) Adapter for use with CNTGAG-MI/MI2, 316 SS

QLA
OEM Ref



ADPTR-VK

Agilent/VanKel/Varian Adapter for use with CNTGAG-MI/MI2, 316 SS

QLA
OEM Ref



EUROINDC-M

10mm OD Shaft for CNTGAG-MI/MI2, 316 SS

QLA
OEM Ref



WOBMET-MI

Wobble Meter includes bracket, Multi-Instrument

QLA
OEM Ref



970-05-23

Wobble Bracket Only for WOBMET-MI

QLA
OEM Ref



WOBMET-HRV

Wobble Meter for Hanson Vision

QLA
OEM Ref



WOBMET-HRCD

Wobble Meter for Hanson CD14

QLA
OEM Ref



WOBMET-FH

Wobble Meter for Fixed Head Baths

QLA
OEM Ref



DDAPT-Q

25mm Blade Style Digital Depth Gauge with "B" Arm (970-02-01) includes DEPSET-25 and Case (Works with All OEM's EXCEPT Sotax. Arm "A" sold separately for Agilent 708-DS, Hanson Vision & CD14)

QLA
OEM Ref



970-02-01

DDAPT-Q Replacement Arm "B"

QLA
OEM Ref



970-02-02

DDAPT-Q Replacement Arm "A" (Use with Agilent 708-DS, Hanson Classic 6, Elite 8 & CD14)

QLA
OEM Ref



970-02-04

DDAPT-Q Replacement Arm for 2L

QLA
OEM Ref



970-02-047

DDAPT-Q Replacement Arm "A" for use with Apex vessels (Long- Use with Agilent 708-DS; Hanson Classic 6, Elite 8 and CD14)

QLA
OEM Ref



970-02-048

DDAPT-Q Replacement Arm "B" for use with Apex vessels (Short)

QLA
OEM Ref



970-02-10

DDAPT-Q Replacement Arm for 45mm

QLA
OEM Ref



DDAPT-PLUS

25mm Digital Depth Gauge includes DEPSET-25A and Case, Multi-Instrument

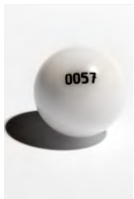
QLA
OEM Ref



DDAPT-CH

25mm Blade Style Digital Depth Gauge includes Case for use with Closed Head Dissolution Baths

QLA
OEM Ref



ASTMBALL-25

25mm Calibrated Ball

QLA
OEM Ref



DEPSET-25

25mm Blade Style Depth Set Tool, Black Acrylic

QLA
OEM Ref



DEPSET-25A

25mm Enhanced Depth Set Tool, Carbon Fiber

QLA
OEM Ref



970-02-050

DDAPT-CH Replacement Arm for use with Apex vessels

QLA
OEM Ref



DEPSET-MI
25mm Ball Style
Depth Set Tool
QLA
OEM Ref



DEPSET-MI2L
25mm Ball Style
Depth Set Tool
for 2L baths
QLA
OEM Ref



DEPGAG-VK
25mm Depth Set
Gauge, Stainless
Steel, VanKel
Style
12-7300
OEM Ref



GNGDEP
Go/No Go
25mm Depth
Gauge, Black
Acrylic
QLA
OEM Ref



GNGDEP-2L
Go/No Go 25mm
Depth Gauge for
2L baths, Black
Acrylic
QLA
OEM Ref



GNGDEP-APP6
Go/No Go 25mm
Depth Gauge for
APP 6 Rotating
Cylinder
with/without
Extension
QLA
OEM Ref



DEPSET-45
45mm Ball Style
Depth Set Tool
QLA
OEM Ref



DEPSET-45A
45mm Blade
Style Depth
Set Tool, Black
Acrylic
QLA
OEM Ref



DEPSET-PK
Depth Set Tool
for Apex vessels
QLA
OEM Ref



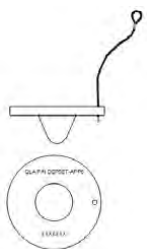
DEPSET-PK2L
Depth Set Tool
for Apex 2L
vessels
QLA
OEM Ref



DEPSET-SB
1cm Stationary
Basket Spacer
for Legacy
VanKel Baths
QLA
OEM Ref



DEPSET-SBA
1cm Depth
Set Tool for
Stationary
Basket, Black
Delrin
QLA
OEM Ref



DEPSET-APP6
25mm Depth Set
Tool for APP 6
Rotating Cylinder
QLA
OEM Ref



DPSPBK-VK
Basket Height
Spacer for
Legacy VanKel
Baths
12-7210
OEM Ref



DPSPPD-VK
Paddle Height
Spacer for
Legacy VanKel
Baths
12-7200
OEM Ref



LEVEL-UN
Universal
Precision
Bubble
Level, Multi-
Instrument
QLA
OEM Ref



VERTMET-MI
Digital Verticality
Meter, Multi-
Instrument
QLA
OEM Ref



VERTMET-ASSY
Digital Verticality
Meter with
modification block
for use with VanKel
Centering Bracket
(or vessels with
rims that protrude
inside the vessel ID)
QLA
OEM Ref



THERMD-LC
Calibrated Digital
Thermometer,
Multi-Instrument
QLA
OEM Ref

**TACHOM-UN**

Optical
Tachometer,
Multi-
Instrument

QLA
OEM Ref

**TACHCLIP**

Tachometer
Target Clip for
3/8" OD Shaft
(Set/6)

QLA
OEM Ref

**TACHCLIP-10MM**

Tachometer
Target Clip for
10mm OD Shaft
(Set/6)

QLA
OEM Ref

**VIBMET-UN**

Vibration Meter
includes probe
and case, Multi-
Instrument

QLA
OEM Ref

**VALTOL-ASTM**

ASTM Validation Tool Kit includes Centering Gauge, Wobble Meter, 25mm Depth Set Tool, Go/No Go Gauge, Adapters, Digital Verticality Meter and Manual Verticality Tools (Not for use on Sotax)

QLA
OEM Ref

**VALTOL-KT2**

Standard Validation Tool Kit includes Centering Gauge, Wobble Meter, 25mm Depth Set Tool, Go/No Go Gauge, Adapters and Precision Bubble Level (Not for use on Sotax)

QLA
OEM Ref

**Did You Know?**

QLA offers recalibration services with standards traceable to NIST for our tools as well as competitor calibration tools? Ask your QLA Sales Rep for more information.

Calibration Tools: Small Volume and Chinese Pharmacopeia Small Volume

Calibration tools are crucial in dissolution testing to control the numerous variables that can impact the consistency and reliability of the test results. Mechanical Calibration parameters are easily verified using QLA's innovative family of Small Volume and Chinese Pharmacopeia Small Volume Calibration Tools. All are supplied with NIST traceable calibration certificates and user manuals. These Calibration tools have been designed for use on most Dissolution Baths.



CNTGAG-SV

Vessel Centering Gauge for Small Volume and Chinese Pharmacopeia Small Volume

QLA

OEM Ref



WOBMET-SV

Wobble Meter includes Brackets for Small Volume and Chinese Pharmacopeia Small Volume

QLA

OEM Ref



970-02-065

Wobble Bracket Only for WOBMET-SV

QLA

OEM Ref



DDAPT-SV

Digital Depth Gauge includes Replacement Arms for Small Volume and Chinese Pharmacopeia Small Volume

QLA

OEM Ref



DPSET1015

10 and 15mm Ball Style Depth Set Tool for Small Volume and Chinese Pharmacopeia Small Volume

QLA

OEM Ref



DEPSET-10SV

10mm Depth Set Tool for Small Volume

QLA

OEM Ref



DEPSET-15SV

15mm Depth Set Tool for Small Volume and Chinese Pharmacopeia Small Volume

QLA

OEM Ref



DEPSET-25SV

25mm Depth Set Tool for Small Volume

QLA

OEM Ref



DEPSET-SVKIT

Depth Set Tool Kit includes DEPSET-10SV, DEPSET-15SV and DEPSET-25SV for Small Volume and Chinese Pharmacopeia Small Volume

QLA

OEM Ref



VERTMET-SV

Digital Verticality Meter with Modification Block for Small Volume and Chinese Pharmacopeia Small Volume

QLA

OEM Ref



VALTOL-SV

Small Volume and Chinese Pharmacopeia Small Volume Validation Tool Kit includes Centering Gauge, Wobble Meter, Fixed Head Wobble Meter, Depth Set Gauge with Arms, 10/15/25mm Depth Set Tools, Adapters and Digital Verticality Meter (Not for use on Sotax)

QLA

OEM Ref

BT1000 Dissolution Validation and Reporting System

The Next Innovation in Validation Technology has arrived!

The BT1000 Dissolution Validation and Reporting Bluetooth System is a critical tool for any laboratory looking for an easy way to maintain compliance in the digital age. The full suite of specialized, easy-to-use tools and intuitive software platform delivers the speed and flexibility you need to perform quick, efficient and accurate dissolution tester calibration routines.



- ✓ Vessel Centering
- ✓ Shaft Wobble
- ✓ Basket Wobble
- ✓ Apparatus Height (Closed or Open Head)
- ✓ Spindle Speed
- ✓ Temperature
- ✓ Vessel Verticality
- ✓ Shaft Verticality
- ✓ Vessel Plate Level

» Supports 21 CFR Part 11 compliance for data integrity.*

» PC based wireless  Bluetooth technology.

» Fully customizable methods and reports.

» Full suite of tools to perform ASTM E2503 and USP <711> mechanical calibrations.

» Record and store digital calibration data with the touch of a button.

» Reduce calibration time by 50% over conventional methods.

Seamlessly attach component CoCs/CoAs and calibration certificates directly to the report. The serialized tools are packaged in a rugged Nanuk rolling case and come with NIST traceable Calibration Certificates. **A full year of warranty and support is also included.**

BT1000-VIBMET VIBRATION METER

The BT1000-VIBMET is a wireless sensor solution for vibration monitoring of dissolution testers and a dynamic upgrade to the BT1000 Dissolution Validation and Reporting System. It utilizes the following: a MEMS accelerometer, a powerful onboard processor, hall effect switch, USB charging and a Bluetooth Low Energy module. All in a compact unit less than 2" x 2". The MEMS accelerometer sensor guarantees an accurate and simultaneous acceleration measurement in three orthogonal directions for the most accurate vibration data. The Bluetooth Low Energy module provides safe, efficient communication with the BT1000 software without the hassle of data cables.

SPECIFICATIONS

- **Accelerometer Type:** MEMS
- **Measurement Range:** $\pm 40g$
- **Frequency Range (± 3 dB):** 1 - 1000 Hz
- **Sampling Rate:** 500 to 4000 Hz
- **Battery:** Li-Po battery
- **Battery Life:** 80 hrs
- **Charging Time:** 3 to 4 hrs
- **Accelerometer Weight:** 0.16 lbs / 72 grams
- **Mounting Screw:** 1/4-28 Screw
- **On/Off Switch:** Hall Effect Contactless Magnetic Switch
- **Bluetooth:** Bluetooth Low Energy Technology



- » Dynamic upgrade and wireless sensor solution for vibration monitoring of dissolution testers.



BT1000

Dissolution Validation and Reporting Bluetooth System includes Digital Centering Gauge, Digital Wobble Meter, 25mm Digital Depth Gauge, 25mm Depth Set Tool, Digital Verticality Meter, Digital Thermometer, Tachometer, Wireless Wimmer Trigger, Computer Laptop with preinstalled Software and License (includes Power Supply/Charger 120v 60Hz) and Nanuk Waterproof Case, Serialized with 1 year calibration. Can be used with most open and closed head baths.

BT1000-VM

Dissolution Validation and Reporting Bluetooth System includes Digital Centering Gauge, Digital Wobble Meter, 25mm Digital Depth Gauge, 25mm Depth Set Tool, Digital Verticality Meter, Digital Thermometer, Tachometer, Vibration Meter, Wireless Wimmer Trigger, Computer Laptop with preinstalled Software and License (includes Power Supply/Charger 120v 60Hz) and Nanuk Waterproof Case. Serialized with 1 year calibration. Can be used with most open and closed head baths.

**ADPTR-BTDK**

Distek Adapter for use with BT1000 Centering Gauge, 316 SS

**ADPTR-BTEL**

Electrolab Adapter for use with BT1000 Centering Gauge, 316 SS

**ADPTRKIT-BTEW**

Erweka Adapter Kit for use with BT1000 Centering Gauge includes (1) 5mm and (1) 6mm thread adapters, 316 SS

**ADPTR-BTHR**

Hanson Adapter for use with BT1000 Centering Gauge, 316 SS

**ADPTR-BTPT**

Pharmatest Adapter for use with BT1000 Centering Gauge (M8 thread= 8mm) , 316 SS

**ADPTR-BTRIG**

Riggtek Adapter for use with BT1000 Centering Gauge (M5-.8 thread), 316 SS

**ADPTR-BTOY**

TOYAMA 3 Pc Adapter for use with BT1000 Centering Gauge, 316 SS

**ADPTR-BTVK**

Agilent/VanKel Adapter for use with BT1000 Centering Gauge, 316 SS

**ADPTR-BTI0MM**

10mm OD & Sotax Shaft for BT1000 Centering Gauge, 316 SS

**ADPTR-BTASTM**

ASTM Spin Shaft Adapter for use with BT1000 Centering Gauge, 316 SS

**ADPTR-BTCOP**

Copley Adapter for use with BT1000 Centering Gauge (M5-.8 thread), 316 SS

BT1000-LICPC

Computer Laptop with preinstalled Software and License for BT1000 Dissolution Validation and Reporting Bluetooth System includes Power Supply/Charger 120v 60Hz

BT1000-IQQDOCS

BT1000 Dissolution Validation and Reporting System Installation and Qualification document package. Includes software installation, Excel Add-In installation, dashboard configuration and test run evaluation.

MISC DISSOLUTION ACCESSORIES

WATER BATH PRESERVATIVE

Got Green Water? Try EVER-CLEAR!

- Highly soluble water preservative crystals
- Extremely effective against the formation of bacteria and algae
- Regular use will reduce the effect of microorganism buildup inside the bath, pump and heater
- Use with DEIONIZED water
- Single dose will protect a bath for up to 8 weeks
- Time saving! No need to empty the bath while using Ever-Clear; just add one container to your bath every 8 weeks



EVERCLEAR

Ever-Clear Water Bath Treatment, Single Dose

QLA
OEM Ref



EVERCLEAR-12

Ever-Clear Water Bath Treatment, Single Dose (12/ Pack)

QLA
OEM Ref



EVERCLEAR-48

Ever-Clear Water Bath Treatment, Single Dose (48/ Pack)

QLA
OEM Ref

TUBING

OEM Key

A Agilent

S Sotax

H Teledyne Hanson

D Distek



PPTUBV-01

Peristaltic Pump Tubing, Pharmaprene, Coded Purple & White (Set/8)

17-6000 A
OEM Ref



PPTUBV-02

Peristaltic Pump Tubing, Silicone, Coded Purple & White (Set/8)

17-6010 A
OEM Ref



PPTUBD-01

Peristaltic Pump Tubing, Pharmaprene (Set/6)

5640-0337 D
OEM Ref



TAATUB-HP

3 Collar Auto Analyzer Tubing, Tygon, .081" (2.06mm) ID (Set/12)

5041-2166 A
OEM Ref

TEFTUB-HP

PTFE Tubing for HP, PTFE, 1/32" (.8mm) ID x 1/16" (1.6mm) OD (500' (152m) roll)

QLA

OEM Ref

**TEFTUB-8V**

Color-Coded Sample Tubing, PTFE, .040" (1.02mm) ID x .066" (1.68mm) OD (8 lengths of 50' (15m))

QLA

OEM Ref

**TUBING**

Tygon Tubing, 1/16" (1.6mm) x 1/8" (3.2mm) (Sold per foot)

QLA

OEM Ref

TUBSP-DK4300

Tubing Set for 6 Position Distek Evolution 4300 Syringe Pump. Includes 18 lines with fittings for vessel, auto-sampler and replacement sections

2800-0060-6-SET D

OEM Ref

**TUBSP-DK4300-6C**

Tubing Set for 6 Position Distek Evolution 4300 Syringe Pump. Includes 6 lines with fittings for collector/auto-sampler section

2800-0060-6PT-C D

OEM Ref

**TUBSP-DK4300-6R**

Tubing Set for 6 Position Distek Evolution 4300 Syringe Pump. Includes 6 lines with fittings for replacement section

2800-0060-6PT-R D

OEM Ref

**TUBSP-DK4300-6V**

Tubing Set for 6 Position Distek Evolution 4300 Syringe Pump. Includes 6 lines with fittings for vessel section

2800-0060-6PT-V D

OEM Ref

**TUBSP-DK4300-8**

Tubing Set for 8 Position Distek Evolution 4300 Syringe Pump. Includes 24 lines with fittings for vessel, auto-sampler and replacement sections

2800-0060-8-SET D

OEM Ref

**TUBSP-DK4300-8C**

Tubing Set for 8 Position Distek Evolution 4300 Syringe Pump. Includes 8 lines with fittings for collector/auto-sampler section

2800-0060-8PT-C D

OEM Ref

**TUBSP-DK4300-8R**

Tubing Set for 8 Position Distek Evolution 4300 Syringe Pump. Includes 8 lines with fittings for replacement section

2800-0060-8PT-R D

OEM Ref

**TUBSP-DK4300-8V**

Tubing Set for 8 Position Distek Evolution 4300 Syringe Pump. Includes 8 lines with fittings for vessel section

2800-0060-8PT-V D

OEM Ref

**TUBSP-DK4300-8RBN**

Tubing Set for 8 Position Distek Evolution 4300 Syringe Pump. Includes 8 lines with fittings for Recycle Bin and Needle Assembly, 53" lengths (Set/8)

2800-0232-8-SET D

OEM Ref

**TUBSP-DK4300-8RCD**

Tubing Set for 8 Position Distek Evolution 4300 Syringe Pump. Includes 8 lines with fittings from Recycle to Diverter, 24" lengths (Set/8)

2800-0230-8-SET D

OEM Ref

**CANFER-UN**

Flangeless Ferrule for 1/16" (1.6mm) tubing

QLA

OEM Ref

**CANFLN-UN**

Flangeless Nut, 1/4-28 for 1/16" (1.6mm) tubing

QLA

OEM Ref



**CANUNI-UN**

Union for
1/4-28 Thread,
Polypropylene

QLA

OEM Ref

**090-01-026**

Barb Reducer/
Connector,
Polypropylene

QLA

OEM Ref

**090-03-008**

Blue rubber
tubing 1/2" ID
for Heater/
Circulator (Sold
per foot)

QLA

OEM Ref

AUTO-SAMPLER ACCESSORIES**RINSETRAY6**

6 Position Clear
PVC Rinse Tray
for VanKel/
Varian

17-1300 A

OEM Ref

**RINSETRAY8**

8 Position Clear
PVC Rinse Tray
for VanKel/
Varian

17-1310 A

OEM Ref

**RINSETRAY-708**

Peristaltic 8
Position Clear
PVC Rinse Tray
for Agilent 708

17-1351 A

OEM Ref

**REPNEP-VL**

Long
Replacement
Needle for
VK8000

17-6200; 3085-0011 A

OEM Ref

**REPNEP-VS**

Short
Replacement
Needle for
VK8000

17-6210; 3085-0012 A

OEM Ref

**RECBIN-DK5300**

Recycle Bin for
Distek Eclipse
5300

3350-0013 D

OEM Ref

RINSE CUP ASSEMBLY

QLA's Rinse Cup Assembly is a quick and easy tool to aid in the cleaning of dissolution sampler tubing. Each cup is made of durable polypropylene that resists cracks and crazing and the magnetic clamping action allows for installation directly on the 0.375" or 10mm dissolution apparatus shaft. Cups can be used on any auto-sampling dissolution system that utilizes sample and/or return lines. Return media is captured separately so the wash solution is not contaminated. Dissolution vessels can be washed while simultaneously cleaning the sampler lines.



Part No.	Description	OEM Ref
RINSECUP	Single Position Rinse Cup Assembly for Auto-Sampling System, Universal	QLA
RINSECUP-6	6 Position Rinse Cup Assembly for Auto-Sampling System includes storage case, Universal	QLA
RINSECUP-8	8 Position Rinse Cup Assembly for Auto-Sampling System includes storage case, Universal	QLA

SHAFT COLLARS & COLLETS

**SHTCOL-VK**

Locking Shaft Ring with slot for Agilent/VanKel baths (3/8" OD Shaft), Clear Anodized Aluminum

12-2096 A

OEM Ref

**SHTCOL-VK2**

Shaft Collar for VanKel Baths (3/8" OD Shaft), White Powdercoated Aluminum

QLA

OEM Ref

**TUMSCR-DK**

Shaft Collar w/ Thumb Screw for Distek 2100 Series

2821-0094 D

OEM Ref

**SHTCOL-DK**

Shaft Collar & Hex Key for 3/8" OD Shaft

5570-6077 D

OEM Ref

**SHTCOL-EW**

Locking collar for 10mm OD Shaft

QLA

OEM Ref

**COLLET-VK14**

1/4" Collet for VanKel Baths, Small Volume Shaft OD (1-3/16" Overall Length, 0.539" Overall Diameter)

QLA

OEM Ref

**COLLET-VK38**

3/8" Collet for VanKel Baths, Standard Shaft OD (1-3/16" Overall Length, 0.539" Overall Diameter)

QLA

OEM Ref

VESSEL CLAMP KNOBS & CLIPS

**KNOB-2100**

Vessel Clamp Knob for Distek 2100 baths (set of 2)

QLA

OEM Ref

**KNOB-2500**

Vessel Clamp Knob for Distek 2500 baths (set of 2)

QLA

OEM Ref

**KNOB-708**

Vessel Clamp Knob for Agilent 708-DS baths (set of 2)

QLA

OEM Ref

**KNOB-HR**

Vessel Clamp Knob for Hanson SR8-Plus baths (set of 2)

QLA

OEM Ref

**VSCLIP-DK**

Vessel Retainer Assembly for Distek 2100 and 6300 baths

2821-0257 D

OEM Ref

**VSCLIP-DKBL**

V-Shaped Clip for Distek 5100, 6100, 7100 and 3100 (Disintegration) Bathless Equipment

3351-1059 D

OEM Ref

**VCAASSY-DK2500S**

Vessel Centering Arm Clip and Pin Assembly for Distek 2500 Select Baths

2800-0636 D

OEM Ref

**VSCLIP-STBOW**

Bow Vessel Clip
for Sotax AT7

3100 S
OEM Ref

**VSCLIP-STFS**

Flat Spring
Vessel Clip for
Sotax

3102 S
OEM Ref

WATERBATH ACCESSORIES**PUMP-HR**

Water
Circulator
Pump for
Hanson SR8-
Plus Baths (70
GPH)

64-710-410 H
OEM Ref

**SCRPLG-DK**

50 Mesh Screen
for FILDASK-IL
or Distek In-line
Waterbath Filter

QLA
OEM Ref

**FILDASK-IL**

In-Line Filter
with 50 Mesh
Screen includes
2 clamps for
Distek baths

2800-0005 D
OEM Ref

**MIRPLT-6100**

VisiChek
Mirrored Acrylic
Plate for Distek
5100/6100 baths,
1/8" thick

2800-0205 D
OEM Ref

**MIRPLT-7100**

VisiChek
Mirrored Acrylic
Plate for Distek
7100 baths, 1/8"
thick

3250-0221 D
OEM Ref

PAPER ROLLS**PAPI00-01**

Plain Paper
Rolls for Report
Center II
(Pack/25)

12-9995 A
OEM Ref

**TPP082-70XDS**

Thermal Paper
Rolls for Agilent
708-DS AP1200 &
AP1400 Printer,
2.25" wide/.5"
core/ 1.44" Max
OD/ 50' length
(Pack/25)

G7910-87002 A
OEM Ref

**TPP100-01**

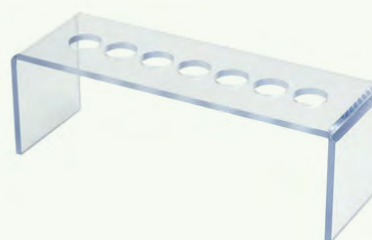
Thermal Paper
Rolls, 1.5" wide
(Pack/25)

12-9994 A
OEM Ref

**PAPI00-HR**

Plain Paper
Rolls for Hanson
Citizen Printer
(Set/25)

47-200-703 H
OEM Ref

CLEANING CONTAINER HOLDER FOR PHARMATEST**CLNCONHLD-PT**

7 Position Cleaning Container
Holder for Pharmatest PTWS-820,
Polycarbonate

315-0730
OEM Ref

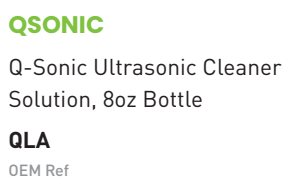
PTFE SUSPENSION CUPS



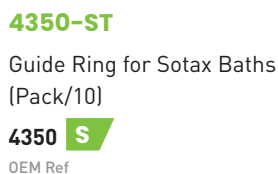
EXTRACTION CELLS

Part No.	Description
EXCELL-27	Extraction Cell with 27mm/1.48mL reservoir and 20mm opening, 316 SS, Membrane not included
EXCELL-38	Extraction Cell with 38mm/2.94mL reservoir and 32mm opening, 316 SS, Membrane not included
EXCELL-45	Extraction Cell with 45mm/4.13mL reservoir and 40mm opening, 316 SS, Membrane not included
EXCELL-52	Extraction Cell with 52mm/5.52mL reservoir and 50mm opening, 316 SS, Membrane not included

ULTRASONIC CLEANER SOLUTION



SOTAX RINGS



HC1000 HEATER/CIRCULATOR

The HC1000 is a stand-alone unit compatible with any dissolution bath. A single control dial and LCD screen make for quick and easy operation. A high quality brushless pump and internal flow and temperature switches protect the unit in the event of a dry run or overheating during long run cycles. A data logging feature allows for the easy recording of time and temperature at the time interval of your choice. Accessories are available for additional readings and connection with single and dual bath systems.

HC1000

Model HC1000
Standalone
Precision 1000 watt
Heater/Circulator,
Programmable, 115 V/
60 Hz

QLA

OEM Ref



Front View HC1000/HC1000-230

HC1000-230

Model HC1000-
230 Standalone
Precision 1000 watt
Heater/Circulator,
Programmable, 230 V/
50 Hz

QLA

OEM Ref



Back View HC1000/HC1000-230

SIZE

LENGTH	14.5 in. (36.83 cm)
WIDTH	7.25 in. (18.42 cm)

WEIGHT

MAIN UNIT	8.5 lbs. (3.86 kg)
-----------	--------------------

PERFORMANCE

TEMPERATURE RANGE	30°C – 45°C
TEMPERATURE ACCURACY	± .1°C
FLOW RATE	2.7 gal. / MINUTE
6 POSITION BATH WARMUP TIME	~ 15 MINUTES
8 POSITION BATH WARMUP TIME	~ 25 MINUTES

ELECTRICAL

VOLTAGE, FREQUENCY	115 V, 60 Hz / 230 V, 50 Hz
PUMP	24 V
HEATER	1000 W
FUSES	INTERNAL CIRCUIT BREAKER

Important Note:

HC1000/HC1000-230 units do not communicate with the dissolution bath.

**EXTPRB**

Stainless Steel Temperature Probe for HC1000 & HC1000-230

QLA
OEM Ref

HC1000-HRBMK

Bath Modification Kit for Hanson SR8-Plus Baths includes tubing, bulk head fitting, gaskets and tubing clamps

QLA
OEM Ref

**HC1000-SBHK**

Single Bath Hose Kit includes Silicone tubing (10' length, 1/2" ID), hose clamps (6) and drain valve fitting (1)

QLA
OEM Ref

**HC1000-DBHK**

Dual Bath Hose Kit includes Silicone tubing (20' length, 1/2" ID), hose clamps (18), Wye tube fittings (2), Tee tube fitting (1) and drain valve fitting (1)

QLA
OEM Ref

**090-03-008**

Heater/Circulator Tubing, Silicone, Semi-Clear Blue, 1/2" (12.7mm) ID, 30' (9.1m) length

QLA
OEM Ref



Do you have Calibration, Maintenance or Repair Needs?

QLA Lab Services division will keep your lab equipment in optimal working order. We provide calibration (PVT & EMC), validation, preventative maintenance, repair, training, relocation, consulting and auditing services. We also handle other laboratory equipment service needs.

For more information, visit www.QLA-labservices.com.

PHYSICAL TESTING

OEM Key

- A** Agilent **E** Erweka
D Distek **S** Sotax
H Teledyne Hanson
P Pharmatest

DISINTEGRATION 3 AND 6 TUBE QLA STANDARD DESIGN ASSEMBLIES



DISASY-03

Basket Assembly with 3 Glass Tubes (38mm OD) and 10 Mesh Stainless Steel Screens

37-3030 **A**

OEM Ref



DISASY-06

Basket Assembly with 6 Glass Tubes (25mm OD) and 10 Mesh Stainless Steel Screens

37-3001 **A**

OEM Ref



DISASY-P6

Basket Assembly with 6 Plastic Tubes (25mm OD) and 10 Mesh Stainless Steel Screens

QLA **A**

OEM Ref



DISASY-DK06

Basket Assembly (QLA Standard Design) with 6 Glass Tubes (25mm OD) and 10 Mesh SS Screens for Distek 3100 Series Testers

QLA **D**

OEM Ref



DISASY-EW03

Basket Assembly (QLA Standard Design) with 3 Glass Tubes (38mm OD) and 10 Mesh SS Screens for Erweka Testers

QLA **E**

OEM Ref



DISASY-EW032

Basket Assembly (QLA Standard Design) with 3 Glass Tubes (38mm OD) and 10 Mesh SS Screens for Erweka ZT22x and ZT32x Testers

QLA **E**

OEM Ref



DISASY-EW06

Basket Assembly (QLA Standard Design) with 6 Glass Tubes (25mm OD) and 10 Mesh SS Screens for Erweka Testers

QLA **E**

OEM Ref



DISASY-EW062

Basket Assembly (QLA Standard Design) with 6 Glass Tubes (25mm OD) and 10 Mesh SS Screens for Erweka ZT22x and ZT32x Testers

QLA **E**

OEM Ref



DISASY-HR06

Basket Assembly (QLA Standard Design) with 6 Glass Tubes (25mm OD) and 10 Mesh SS Screens for Hanson QC-21 Testers

QLA **H**

OEM Ref



DISASY-HRP103

Basket Assembly (QLA Standard Design) with 3 Glass Tubes (38mm OD) and 10 Mesh SS Screens for Hanson Phase One Testers

QLA **H**

OEM Ref



DISASY-HRP106

Basket Assembly (QLA Standard Design) with 6 Glass Tubes (25mm OD) and 10 Mesh SS Screens for Hanson Phase One Testers

QLA **H**

OEM Ref

Assemblies Without Images

Part No.	Description	OEM Ref
DISASY-06T	Basket Assembly with 6 Glass Tubes (25mm OD) and 10 Mesh SS Screens for VanKel Testers with wire hanger (old style)	37-2001 A
DISASY-ST03	Basket Assembly (QLA Standard Design) with 3 Glass Tubes (38mm OD) and 10 Mesh SS Screens for Sotax Testers	QLA S
DISASY-ST06	Basket Assembly (QLA Standard Design) with 6 Glass Tubes (25mm OD) and 10 Mesh SS Screens for Sotax Testers	QLA S

QLA STANDARD DESIGN OR AGILENT COMPATIBLE DISINTEGRATION ACCESSORIES



DISTUB-03

Glass Replacement Tubes for 3 Tube Assembly, 38mm OD x 77.5mm L (Set of 3)

37-5005 **A**

OEM Ref



DISTUB-06

Glass Replacement Tubes for 6 Tube Assembly, 25mm OD x 79.5mm L (Set of 6)

37-5000 **A**

OEM Ref



DISTUB-P6

Plastic Replacement Tubes for 6 Tube Assembly, 25mm OD x 79.5mm L (Set of 6)

QLA

OEM Ref



DISDISK-03

Fluted Plastic Disks for 3 Tube Assembly, USP/EP Compliant (Set of 3)

37-4010 **A**

OEM Ref

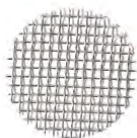


FDISC-VK

Fluted Plastic Disks for 6 Tube Assembly, USP/EP Compliant (Set of 6)

37-4000 **A**

OEM Ref



DISSCR03-VK10

10 Mesh Stainless Steel Screens for 3 Tube Assembly (Set of 3)

QLA

OEM Ref

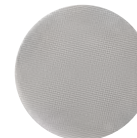


DISSCR-VK10

10 Mesh Stainless Steel Screens for 6 Tube Assembly (Set of 6)

37-2200 **A**

OEM Ref



DISSCR-VK100

100 Mesh SS Screens for 6 Tube Assembly (Set of 6)

QLA

OEM Ref



DISSCR-VK20

20 Mesh SS Screens for 6 Tube Assembly (Set of 6)

QLA

OEM Ref



DISSCR-VK40

40 Mesh SS Screens for 6 Tube Assembly (Set of 6)

QLA

OEM Ref



DISASY-06COV10

10 Mesh Cover for 6 Tube Assembly, 316 SS

QLA

OEM Ref

OTHER OEM COMPATIBLE DISINTEGRATION ACCESSORIES

**DISTUB-DK06**

Glass Replacement Tubes for 6 Tube Assembly for Distek Testers, 25mm OD x 77.5mm L (Set of 6)

3010-0024 **D**
OEM Ref

**DISTUB-EW**

Glass Replacement Tubes for 6 Tube Assembly for Erweka Testers, 24mm OD x 78mm L (Set of 6)

502-310-0001 **E**
OEM Ref

**DISTUB-HR03**

Glass Replacement Tubes for 3 Tube Assembly for Hanson Testers, 38mm OD x 80mm L (Set of 6)

40-107-013 **H**
OEM Ref

**DISTUB-HR06**

Glass Replacement Tubes for 6 Tube Assembly for Hanson Testers, 25mm OD x 79.5mm L (Set of 6)

40-107-016 **H**
OEM Ref

**DISTUB-PT06**

Glass Replacement Tubes for 6 Tube Assembly for Pharmatest Testers, 24mm OD x 78mm L (Set of 6)

101-2145-6 **P**
OEM Ref

**DISTUB-P6EUR**

Plastic Replacement Tubes for 6 Tube Assembly, 21.5mm ID x 77.5mm L for EU Pharmacopeia (Set of 6)

QLA
OEM Ref

**DISTUB-ST06**

Glass Replacement Tubes for 6 Tube Assembly for Sotax Testers, 26mm OD x 79.3mm L (Set of 6)

12514, 02134 **S**
OEM Ref

**DISDISK-03**

Fluted Plastic Disks for 3 Tube Assembly, USP/EP Compliant (Set of 3)

QLA
OEM Ref

**FDISC-VK**

Fluted Plastic Disks for 6 Tube Assembly, USP/EP Compliant (Set of 6)

QLA
OEM Ref

**DISSCR-PT10**

10 Mesh SS Screens for 6 Tube Assembly for Pharmatest Testers (Set of 6)

QLA **P**
OEM Ref

**DISASY-06COV10**

10 Mesh Cover for 6 Tube Assembly, 316 SS

QLA
OEM Ref

DISINTEGRATION BEAKERS

**GLA900-DB**

900mL Clear Glass Disintegration Beaker, Flared top, Serialized

37-5200 **A**
OEM Ref

**GLA905-DB**

900mL Clear Glass Disintegration Beaker, Flat Top, Serialized

37-5305 **A**
OEM Ref

**GLA900-DBDK**

1000mL Clear Glass Disintegration Beaker, Flared Top, Serialized

3010-0360 **D**
OEM Ref

TAPPED DENSITY

AGILENT COMPATIBLE

(includes legacy VanKel)

**GLA010-01**

10mL Graduated Cylinder, Funnel Top, Hexagonal Base

52-5000

OEM Ref

**GLA100-01**

100mL Graduated Cylinder, Funnel Top, Hexagonal Base

52-5010

OEM Ref

**GLA1CA-01**

100mL Graduated Cylinder, Funnel Top, Hexagonal Base, Class A, Calibrated at 20°C

QLA

OEM Ref

**GLA250-01**

250mL Graduated Cylinder, Funnel Top, Hexagonal Base

52-5020

OEM Ref

FRIABILITY

FRIABDRM-CCW

Single Chamber Friability Drum, Counterclockwise Rotation

47-1015 A

OEM Ref

Any OEM with 10mm

FRIABDRM-CCW10

Single Chamber Friability Drum for Testers with 10mm OD shaft, Counterclockwise Rotation

QLA**FRIABDRM-CW**

Single Chamber Friability Drum, Clockwise Rotation

47-1010 A

OEM Ref

Any OEM with 10mm

FRIABDRM-CW10

Single Chamber Friability Drum for Tester with 10mm OD shaft, Clockwise Rotation

QLA

OEM Ref

ROTATING BOTTLE APPARATUS

AGILENT COMPATIBLE

(includes legacy VanKel)

**RBAASSY-01**

100mL Clear Glass Bottle and Cap with Viton Liner

QLA

OEM Ref

**RBAASSY-02**

100mL Clear Glass Bottle and Decant Cap with 40 Mesh SS Screen

QLA

OEM Ref

**RBSCRN-40**

40 Mesh SS Screen for 100mL Decant Cap

32-1221

OEM Ref

GLASS ACCESSORIES

VOLUMETRIC FLASKS



500mL Flask



900mL Flask



1000mL Flask



VOLFLK-05

500mL Volumetric Flask, Class A, Calibrated at 20°C, Round Bottom

QLA
OEM Ref



VOLFLK-09

900mL Volumetric Flask, Class A, Calibrated at 20°C, Round Bottom

QLA
OEM Ref



VOLFLK-1K

1000mL Volumetric Flask, Class A, Calibrated at 20°C, Round Bottom

QLA
OEM Ref



VOLFLK-X5

500mL Volumetric Flask, Class A, Calibrated at 37°C, Round Bottom

QLA
OEM Ref



VOLFLK-X9

900mL Volumetric Flask, Class A, Calibrated at 37°C, Round Bottom

QLA
OEM Ref



VOLFLK-X1

1000mL Volumetric Flask, Class A, Calibrated at 37°C, Round Bottom

QLA
OEM Ref

FLEAKERS



FLEAK-150

150mL Glass Fleaker,
Graduated

QLA
OEM Ref



FLEAK-300

300mL Glass Fleaker,
Graduated

QLA
OEM Ref



FLEAK-500

500mL Glass Fleaker,
Graduated

QLA
OEM Ref



FLEAK-01K

1000mL Glass
Fleaker, Graduated

QLA
OEM Ref



FLEAKCAP-UN

Fleaker Cap fits
150mL, 300mL,
500mL

QLA
OEM Ref

Don't see what you are looking for in this catalog?

QLA continually adds new products and has the largest inventory of dissolution accessories available. Most items are in stock and ship within 24 hrs!

Be sure to check out our website at www.qla-llc.com for our quarterly New Product Bulletins!



IMMERSION/ENHANCER CELLS

IMMERSION AND ENHANCER CELLS

Immersion and Enhancer cells are used in conjunction with mini-paddles and small volume vessels to perform release testing (IVRT) on semi-solid dosage forms such as creams, gels, and ointments.

USP <1724> specifies that they need to be made of inert materials and house a membrane and donor compartment. The membrane should be mounted so that it is flat and horizontal while in place in the vessel.

Typical media volumes for the test range from 50 to about 200 mL of media in a flat-bottomed miniature vessel. Typically, the vessels are held in place with adapters based on the type of dissolution tester used.

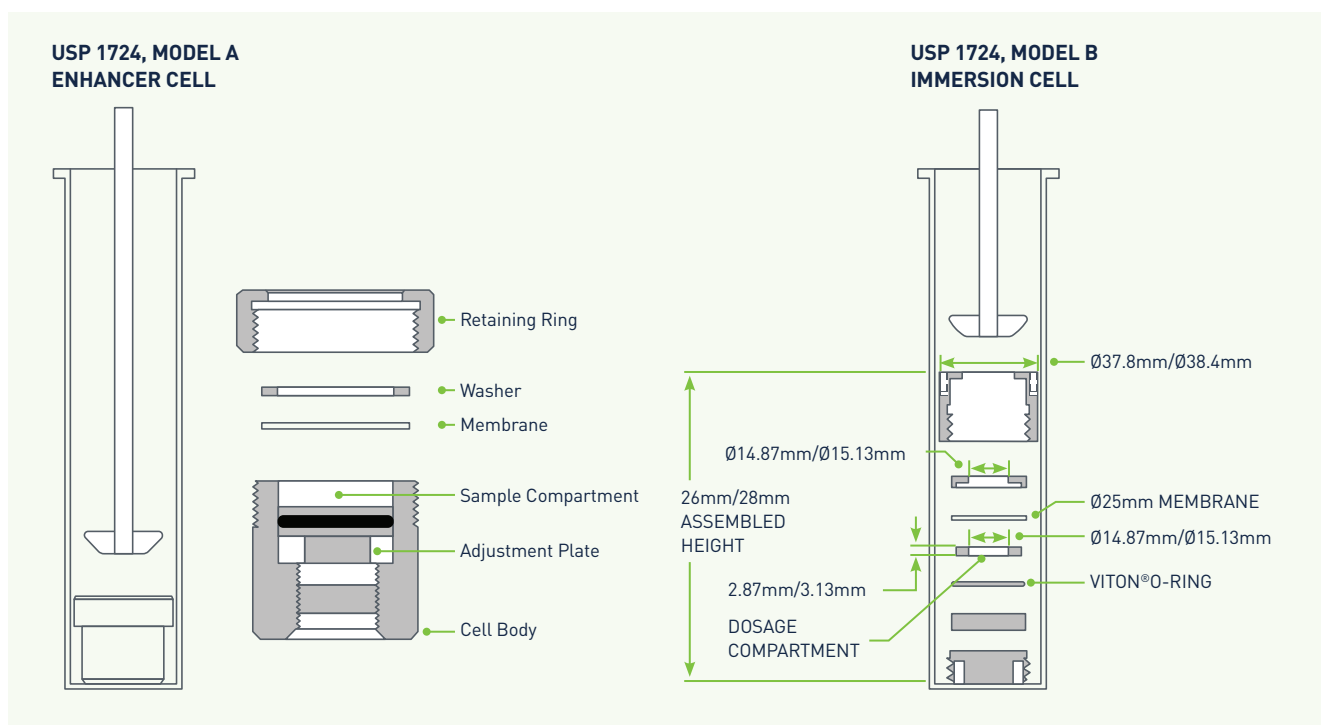
Stirring is provided by mini-paddles which are similar to Apparatus 2, but on a smaller scale. Hydrodynamic forces are less of a consideration for Immersion and Enhancer cells and the paddle's primary role is to keep the media homogenous.

KEY CONSIDERATIONS

Static or Adjustable Volume?

Adjustable: This design is based on the Model A Enhancer Cell in USP <1724>. It features an adjustment plate on the bottom which can allow up to 3 mL of dosage. However, additional care must be taken by the operator to ensure all volumes are identical for testing.

Static: This design is based on the Model B Immersion Cell in USP <1724> and has a donor chamber with a volume of 530 μL which is sufficient to provide an infinite dose for most products. The operation is easier as there are no adjustments with this design.



CARE AND MAINTENANCE

Adapting a dissolution tester to use Immersion or Enhancer cells requires both vessel adapters for the mini-vessels and adapters for the mini-paddles. It is important to note the make and model of the dissolution tester when selecting components.

ENHANCER CELLS: MODEL A

OEM Key **A** Agilent



ENC4CM-01

Enhancer Cell,
4cm sq., PTFE

12-4000 **A**

OEM Ref



ENC4CM-TOOL

Alignment Tool/
Height Spacer
for Agilent 4cm
sq. Enhancer
Cell

12-4020 **A**

OEM Ref



ENCADJ-01

Enhancer Cell
Adjustment
Tool for Agilent
Baths, All sizes

12-4015 **A**

OEM Ref



GLAENC-70XDS

200mL Clear
Non-Graduated
Outer Glass w/
Flat Bottom &
Bump for Agilent
708-DS Enhancer
Cell, Model A

12-5170 **A**

OEM Ref

IMMERSION CELLS: MODEL B

OEM Key **H** Teledyne Hanson



IMMCELL-15B

Immersion Cell
Only, 15mm,
Model B, Single

65-190-043 **H**

OEM Ref



IMMCELL-15B6

Immersion Cell
only, 15mm,
Model B, Set of 6

QLA

OEM Ref



IMMCELL-GD

Glass Disk Only
for Immersion
Cell, Model B

65-190-033 **H**

OEM Ref



IMMTOOL-HRHAND

Immersion
Cell Hand Tool
Assembly for
Model B

QLA

OEM Ref



IMMTOOL-HRROD

Immersion Cell
Installation Rod
Assembly Tool
for Model B

QLA

OEM Ref



IMMTOOL-HRSUPP

Immersion Cell
Support Tool
Assembly for
Model B

QLA

OEM Ref



GLAENC-HRV

150mL Clear
Glass Vessel with
Flat Bottom for
Hanson Vision
and SR8-Plus
Small Volume
or Immersion/
Enhancer Cell,
Graduated,
Serialized (MOQ
6 pcs)

74-105-152 & 72-600-572 **H**

OEM Ref



GLAENC-AHRV

150mL Amber
Glass Vessel with
Flat Bottom for
Hanson Vision
and SR8-Plus
Small Volume
or Immersion/
Enhancer Cell,
Graduated,
Serialized (MOQ
6 pcs)

74-105-162 **H**

OEM Ref

CRONUS® SYRINGE FILTERS

CRONUS® QUALITY COMMITMENT

All Cronus® filters are manufactured in compliance with ISO 9001 using validated production processes. This ensures consistency, reliability and membrane integrity, week after week, year after year.

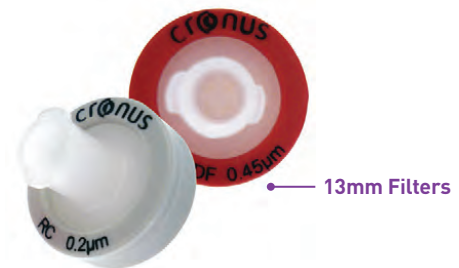
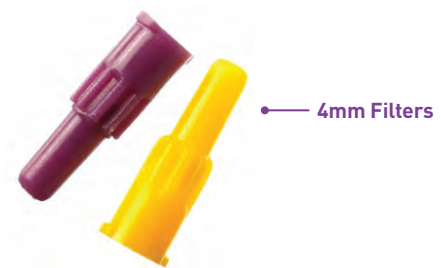
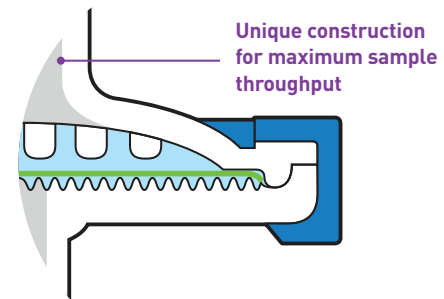
Additionally, samples of all the filter batches and membranes are held for 24 months from production for reference. This enables your current batch to be tested in our labs under your conditions should you require assistance with an application.

Cronus® filters are manufactured using inert, extractable free virgin polypropylene housings with Luer lock and Luer slip fittings. Each filter is sealed using an ultrasonic process to ensure that no adhesives can contaminate your samples – essential to maintain your sample integrity. At the same time the process creates a physically stronger filter to protect against potentially dangerous bursting.

FILTER SIZES AND MEMBRANES TO MEET YOUR SAMPLE NEEDS

Cronus® filters are available in a variety of sizes and with different membranes to suit your sample. Typical filtration volumes are shown below, but this may vary depending on how many particulates are in the sample. For heavily laden samples it is recommended to use a filter with a glass fiber pre-filter.

Typical Sample	Recommended Filter Size	Residual Volume (after air purge)
0-2ml	4mm	< 7.5µl
2-10ml	13mm	< 25µl
>10ml	25mm	< 50µl



MEMBRANE SELECTION

NYLON: This is a very pure hydrophilic membrane with very low levels of extractables – it is mechanically very strong and can be used in many different applications. The Nylon filter membrane undergoes extensive testing before it is encapsulated to ensure that the level of extractables is unsurpassed.

COLORS:  

PTFE: This is chemically resistant to virtually all solvents and can be used for working with aggressive media such as strong acids and bases. PTFE is hydrophobic and requires pre-wetting (normally by using a small amount of alcohol) before being used with aqueous samples. PTFE filters can also be used to prevent moisture passing through air vents.

COLORS:  



POLYVINYLIDENE DIFLUORIDE (PVDF): This is a broad purpose hydrophilic membrane that can be used in a variety of applications. It has high flow rates and is generally compatible with most common solvents. PVDF is a low protein binder.

COLORS: ○

REGENERATED CELLULOSE: Suitable for a wide variety of laboratory procedures. It is a very low protein binder and therefore ideally suited for analyses that require maximum sample recovery. The membrane possesses good solvent resistance with both aqueous and organic solvents, and is able to work over a wide pH range.

COLORS: ○

CELLULOSE ACETATE: This is the best choice when maximum protein recovery in the filtrate is critical. It is ideal for tissue culture media filtration and sensitive biological samples. Cellulose Acetate is well suited for use with aqueous based samples.

COLORS: ○

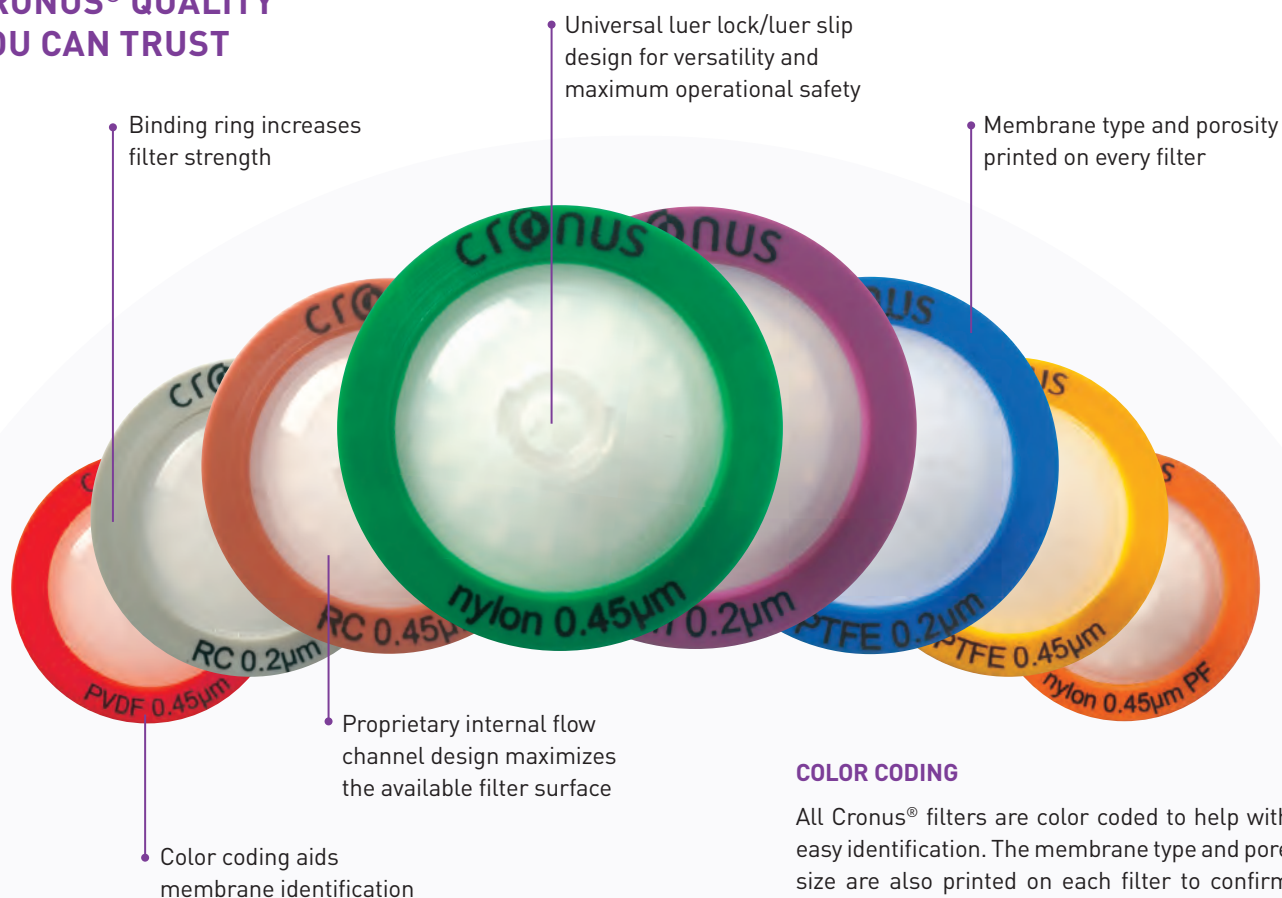
GLASS MICROFIBER: This is the membrane of choice for dissolution testing, DNA recovery and cleanup. It can be used as a pre-filter to remove large particulates and to extend the load capacity of the membrane.

COLORS: ○ ○ ○

✓ **Tested by an Independent Laboratory for:**

Pore size distribution, bubble point, water breakthrough, housing and membrane integrity, HPLC extractables, permeability and efficiency.











CRONUS® QUALITY YOU CAN TRUST



COLOR CODING

All Cronus® filters are color coded to help with easy identification. The membrane type and pore size are also printed on each filter to confirm that you are using the correct membrane.



CRONUS COLOR	PART NUMBER	DESCRIPTION	PORE SIZE
 PURPLE	FFNN0402-100	NYLON 4MM	0.2
	FFNN0402-1000	NYLON 4MM	
	FFNN1302-100	NYLON 13MM	
	FFNN1302-1000	NYLON 13MM	
	FFNN2502-100	NYLON 25MM	
	FFNN2502-1000	NYLON 25MM	
 GREEN	FFNN0445-100	NYLON 4MM	0.45
	FFNN0445-1000	NYLON 4MM	
	FFNN1345-100	NYLON 13MM	
	FFNN1345-1000	NYLON 13MM	
	FFNN2545-100	NYLON 25MM	
	FFNN2545-1000	NYLON 25MM	
 BLUE	FFPT0402-100	PTFE 4MM	0.2
	FFPT0402-1000	PTFE 4MM	
	FFPT1302-100	PTFE 13MM	
	FFPT1302-1000	PTFE 13MM	
	FFPT2502-100	PTFE 25MM	
	FFPT2502-1000	PTFE 25MM	
 YELLOW	FFPT0445-100	PTFE 4MM	0.45
	FFPT0445-1000	PTFE 4MM	
	FFPT1345-100	PTFE 13MM	
	FFPT1345-1000	PTFE 13MM	
	FFPT2545-100	PTFE 25MM	
	FFPT2545-1000	PTFE 25MM	
 RED	FFPV0445-100	PVDF 4MM	0.45
	FFPV0445-1000	PVDF 4MM	
	FFPV1345-100	PVDF 13MM	
	FFPV1345-1000	PVDF 13MM	
	FFPV2545-100	PVDF 25MM	
	FFPV2545-1000	PVDF 25MM	
 BROWN	FFRC2545-100	RC 25MM	0.45
	FFRC2545-1000	RC 25MM	
 GOLD	FFGF2507-100	GLASS 25MM	0.7
	FFGF2507-1000	GLASS 25MM	
 TURQUOISE	FFGF2512-100	GLASS 25MM	1.2
	FFGF2512-1000	GLASS 25MM	
 NAVY BLUE	FFGF2531-1000	GLASS 25MM	3
 WHITE	FFCA2545-1000	CELLULOSE ACETATE 25MM	0.45



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