



A collection of laboratory glassware and equipment arranged on a light blue background. The items include a large purple beaker with a black lid, a smaller clear beaker, a graduated cylinder, a test tube, a flask, and various tubes and containers. Some items are labeled with text like "MADE IN KOREA" and "BIO". There are also icons representing different types of glassware and equipment, such as a beaker, a flask, a test tube, and a graduated cylinder.

The single source for all your dissolution equipment accessories

Dissolution Equipment Accessories

Dissolution Equipment Accessories

Chem Science Inc. has been a trusted supplier of laboratory glassware and scientific products across North America for over 20 years. Our commitment is to provide high-quality, easy-to-use solutions backed by comprehensive technical expertise, responsive customer service, and reliable support to meet the evolving needs of laboratories, research institutions, and industrial facilities.

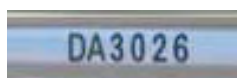
Knowledge partner

Dissolution Equipment Accessories meet the diverse needs of the dissolution testing industry by offering a comprehensive range of consumables and accessories compatible with various brands and models of dissolution apparatus. Our product portfolio includes both standard and custom solutions designed for testing solid and semi-solid dosage forms. Through close collaboration with industry professionals, we continuously develop innovative solutions that enhance laboratory efficiency and support evolving customer requirements.

Research and Manufacturing

Our manufacturer has an R&D department equipped with state-of-the-art instrumentation for prototyping and quality evaluation. Our advanced manufacturing facilities ensure that every product is produced to the highest standards of quality, reliability, and consistency. All products are manufactured in compliance with major international pharmacopeial standards, including USP, EP, BP, and JP. They are designed to fit original OEM specifications and are supplied with either a Certificate of Compliance or a Certificate of Conformity, as applicable.

To ensure full traceability and easy identification, products are marked with a unique serial number whenever required and applicable.



OEM Manufacturers

Agilent | Caleva | Distek | Electrolab | Erweka

Hanson Teledyne | Pharmatest | Sotax | Zymark



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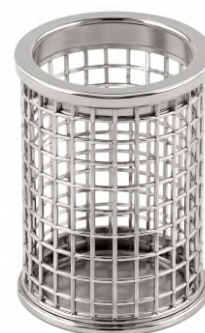
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Baskets

Agilent Compatible Baskets

Part No.	Description	OEM Ref
CS-PSBSK010-01	10 Mesh Stainless Steel Basket	12-2125
CS-PSBSK020-01	20 Mesh Stainless Steel Basket	12-2120
CS-PSBSK040-01	40 Mesh Stainless Steel Basket	12-2100
CS-PSBSK040-01G	40 Mesh Stainless Steel Basket, Gold coated	12-2105
CS-PSBSK040-01PL	40 Mesh Precision Length Stainless Steel Basket	-
CS-PSBSKPTV-40	40 Mesh PTFE Coated Basket	12-2110
CS-PSBSK060-01	60 mesh Stainless steel Basket	-
CS-PSBSK100-01	100 Mesh Stainless Steel Basket	12-2154
CS-PSBSK150-01	150 mesh Stainless steel Basket, supported with 20 mesh	12-2152
CS-PSBSK200-01	200 mesh Stainless steel Basket, supported with 20 mesh	-
CS-PSBSK400-01	400 mesh Stainless steel Basket, supported with 20 mesh	-
CS-PSBSKSUP-01	Suppository Basket, Plastic	12-2130



CS-PSBSK010-01



CS-PSBSK020-01



CS-PSBSK040-01



CS-PSBSKPTV-40

Part No.	Description	OEM Ref
CS-PSSTABSK-10	Stationary Basket Assembly with Basket Shaft and 10 Mesh Basket	12-2061
CS-PSSTABSK-20	Stationary Basket Assembly with Basket Shaft and 20 Mesh Basket	12-2060
CS-PSSTABSK-40	Stationary Basket Assembly with Basket Shaft and 40 Mesh Basket	12-2063



CS-PSBSKSUP-01



CS-PSBSK040-01G

Agilent Stationary Basket



CS-PSSTABSK-10



CS-PSSTABSK-20



CS-PSSTABSK-40

USP 26 Felodipine Test Basket – See page 9



Caleva Compatible Baskets

Part No.	Description	OEM Ref
CS-PSBSK010-CA	10 Mesh Stainless Steel Basket	0810123
CS-PSBSK020-CA	20 Mesh Stainless Steel Basket	0810021
CS-PSBSK040-CA	40 Mesh Stainless Steel Basket	0810019
CS-PSBSK150-CA	150 mesh Stainless steel Basket, supported with 20 mesh	-
CS-PSBSKSUP-CA	Suppository Basket, Plastic	-



CS-PSBSKSUP-CA



CS-PSBSK150-CA

Distek Compatible Baskets

Part No.	Description	OEM Ref
CS-PSBSK010-DK	10 Mesh Stainless Steel Basket	2821-0160
CS-PSBSK010-DKG	10 Mesh Stainless Steel Basket, Gold coated	2821-0160 -G
CS-PSBSK010-DKC	10 Mesh Stainless Steel Basket, Evolution Series	2800-0041
CS-PSBSK020-DK	20 Mesh Stainless Steel Basket	2821-0159
CS-PSBSK020-DKG	20 Mesh Stainless Steel Basket, Gold coated	2821-0159-G
CS-PSBSK020-DKC	20 Mesh Stainless Steel Basket, Evolution Series	2800-0042
CS-PSBSK040-DK	40 Mesh Stainless Steel Basket	2821-0072
CS-PSBSK040-DKG	40 Mesh Stainless Steel Basket, Gold coated	2821-0072-G
CS-PSBSK040-DKC	40 Mesh Stainless Steel Basket, Evolution Series	2800-0032
CS-PSBSKPTD-40	40 Mesh PTFE Coated Basket, Evolution	2800-0032-T
CS-PSBSK060-DKC	60 mesh Stainless steel Basket	-
CS-PSBSK150-DKC	150 mesh Stainless steel Basket, supported with 20 mesh	2800-0044
CS-PSBSK200-DKC	200 mesh Stainless steel Basket, supported with 20 mesh	-
CS-PSBSK400-DKC	400 mesh Stainless steel Basket, supported with 20 mesh	-
CS-PSBSKSUP-DK	Suppository Basket, Plastic	3250-0445



CS-PSBSK040-DKG



CS-PSBSK010-DK



CS-PSBSK040-DKCG



CS-PSBSK020-DK



CS-PSBSK400-DKC



CS-PSBSKSUP-DK



CS-PSBSK040-DK



CS-PSBSK010-DKC



CS-PSBSK020-DKC



CS-PSBSK040-DKC

Baskets

Electrolab Compatible Baskets

Part No.	Description	OEM Ref
CS-PSBSK010-EL	10 Mesh Stainless Steel Basket	0103A00054
CS-PSBSK020-EL	20 Mesh Stainless Steel Basket	0103A00055
CS-PSBSK040-EL	40 Mesh Stainless Steel Basket	0103A00057
CS-PSBSK040-ELG	40 Mesh Stainless Steel Basket, Gold Coated	0103A00061
CS-PSBSK040-ELD	40 Mesh Stainless Steel Basket, "D" -type	0103A00177
CS-PSBSK100-EL	100 Mesh Stainless Steel Basket	0103A00060
CS-PSBSK150-EL	150 mesh Stainless steel Basket, supported with 20 mesh	-
CS-PSBSKSUP-EL	Suppository Basket, Plastic	-



CS-PSBSK010-EL



CS-PSBSK040-EL



CS-PSBSK020-EW



CS-PSBSK040-EW



CS-PSBSK010-HRG



CS-PSBSK040-HRG

Erweka Compatible Baskets

Part No.	Description	OEM Ref
CS-PSBSK010-EW	10 Mesh Stainless Steel Basket	90-000-6010; 18391
CS-PSBSK010-EWG	10 Mesh Stainless Steel Basket, Gold coated	95-000-6110
CS-PSBSK020-EW	20 Mesh Stainless Steel Basket	90-000-6020; 18392
CS-PSBSK040-EW	40 Mesh Stainless Steel Basket	90-000-6040; 18393
CS-PSBSK040-EWG	40 Mesh Stainless Steel Basket, Gold coated	90-000-6140
CS-PSBSK150-EW	150 mesh Stainless steel Basket, supported with 20 mesh	-
CS-PSBSKSUP-EW	Suppository Basket, Plastic	70-000-5004; 18394

Hanson Compatible Baskets

Part No.	Description	OEM Ref
CS-PSBSK010-HR	10 Mesh Stainless Steel Basket	65-220-010
CS-PSBSK010-HRG	10 Mesh Stainless Steel Basket, Gold coated	-
CS-PSBSK020-HR	20 Mesh Stainless Steel Basket	65-220-020
CS-PSBSK040-HR	40 Mesh Stainless Steel Basket	65-220-000; 74-105-252
CS-PSBSKPTH-40	40 Mesh PTFE Coated Basket	-
CS-PSBSK040-HRG	40 Mesh Stainless Steel Basket, Gold coated	-
CS-PSBSK060-HR	60 mesh Stainless steel Basket	-
CS-PSBSK150-HR	150 mesh Stainless steel Basket, supported with 20 mesh	-
CS-PSBSK200-HR	200 mesh Stainless steel Basket, supported with 20 mesh	-
CS-PSBSK400-HR	400 mesh Stainless steel Basket, Supported with 20 mesh	-
CS-PSBSKSUP-HR	Suppository Basket, Plastic	65-700-048



CS-PSBSK020-HR



CS-PSBSK040-HR



CS-PSBSKPTH-40



CS-PSBSKSUP-HR



Logan Compatible Baskets

Part No.	Description	OEM Ref
CS-PSBSK010-LG	10 Mesh Stainless Steel Basket	800-0159
CS-PSBSK020-LG	20 Mesh Stainless Steel Basket	800-0155
CS-PSBSK040-LG	40 Mesh Stainless Steel Basket	800-0154
CS-PSBSK100-LG	100 mesh Stainless steel Basket	-
CS-PSBSK150-LG	150 mesh Stainless steel Basket, supported with 20 mesh	-
CS-PSBSK200-LG	200 mesh Stainless steel Basket, supported with 20 mesh	-
CS-PSBSK400-LG	400 mesh Stainless steel Basket, supported with 20 mesh	-
CS-PSBSKSUP-LG	Suppository Basket, Palstic	800-0170



CS-PSBSK010-PT



CS-PSBSK020-PT



CS-PSBSK040-PT



CS-PSBSKSUP-PT



CS-PSBSK010-PTG



CS-PSBSK010-ST



CS-PSBSK020-ST



CS-PSBSK040-ST



CS-PSBSK400-ST

Pharmatest Compatible Baskets

Part No.	Description	OEM Ref
CS-PSBSK010-PT	10 Mesh Stainless Steel Basket	311-2804
CS-PSBSK020-PT	20 Mesh Stainless Steel Basket	-
CS-PSBSK040-PT	40 Mesh Stainless Steel Basket	311-2801-6
CS-PSBSK150-P	150 mesh Stainless steel Basket, supported with 20 mesh	-
CS-PSBSK200-PT	200 mesh Stainless steel Basket, supported with 20 mesh	-
CS-PSBSKSUP-PT	Suppository Basket, Plastic	311-3000-6
CS-PSBSK010-PTG	10 Mesh Stainless Steel Basket, Gold coated	-

Sotax Compatible Baskets

Part No.	Description	OEM Ref
CS-PSBSK010-ST	10 Mesh Stainless Steel Basket	-
CS-PSBSK010-STG	10 Mesh Stainless Steel Basket, Gold coated	-
CS-PSBSK020-ST	20 Mesh Stainless Steel Basket	9353
CS-PSBSK040-ST	40 Mesh Stainless Steel Basket	2830
CS-PSBSK040-STG	40 Mesh Stainless Steel Basket, Gold coated	-
CS-PSBSK060-ST	60 mesh Stainless steel Basket	-
CS-PSBSK150-ST	150 mesh Stainless steel Basket, supported with 20 mesh	-
CS-PSBSK200-ST	200 mesh Stainless steel Basket, supported with 20 mesh	-
CS-PSBSK400-ST	400 mesh Stainless steel Basket, supported with 20 mesh	-
CS-PSBSKSUP-ST	Suppository Basket, Plastic	-

Zymark Compatible Baskets

Part No.	Description	OEM Ref
CS-PSBSK040-ZM	40 Mesh Stainless Steel Basket	63127
CS-PSBSK040-ZM2	40 Mesh Precision Length Stainless Steel Basket	-

Baskets

Dabigatran Etexilate Mesylate

The basket is wider than the standard USP basket and therefore it will not fit on to a standard USP1 basket hub and a special hub/basket shaft must be used.

Part No.	Description Universal Basket	OEM Ref
CS-PSBSK040-DEM	Dabigatran Etexilate Mesylate, 40 mesh, Stainless Steel	-
Part No.	Description Universal Shafts	OEM Ref
CS-PSBSKSHT-16DEM	16" suited for Hanson Research SR6/SR8	-
CS-PSSPNBSK-HRDEM	Spin On/Off suited for Hanson Vision	-
CS-PSBSKSHT-DKDEM	16.5" suited for Distek	-
CS-PSBSKSHT-19DEM	19" suited for Agilent	-
CS-PSSPNBSK-01DEM	Spin On/Off suited for Agilent	-
CS-PSBSKSHT-AT7DEM	Suited for Sotax At7	-
CS-PSBSKHUB-DEM	Basket adapter for Distek, DEM	-



CS-PSBSK040-DEM



CS-PSBSKSHT-16DEM

Mini baskets

For small volume applications.

Part No.	Description Mini Baskets	OEM Ref
CS-PSMINBSK-40	Universal mini basket 40 mesh	-
Part No.	Description Mini Baskets Shafts	OEM Ref
CS-PSMINBSK15-01	15" basket shaft, 316S.S., Agilent	-
CS-PSMINBSK-DK	16.5" basket shaft, 316S.S., Distek	-
CS-PSMINBSK-HR	16" basket shaft, 316S.S., Hanson SR6/SR8	-
CS-PSSPNMINBSK-HRV	Spin On/Off basket shaft, 316S.S., Hanson Vision	74-105-220
CS-PSSPNMINBSK-01	Spin On/Off basket shaft, 316S.S., Agilent	-



CS-PSMINBSK-40



CS-PSMINBSHT-01



CS-PSMINBSHT-DK



CS-PSMINBSHT-HR



Go no Go tool for baskets

The USP defines the precise measurements of the Apparatus 1 Basket to ensure consistency in dissolution testing.

Each basket should be checked for damage and USP compliance before each dissolution test.

If the basket shape or dimensions are out of compliance with USP requirements, the observed dissolution rate could be altered and could cause an erroneous dissolution result. These checks for dimension compliance and damage need to be conducted before each dissolution, since damage to the basket could occur at any time.

The gauge itself checks many of the dimensions that are required by USP. The gauge controls basket height as well as the i.d. and o.d. of the top opening and bottom portion. In addition, it controls the cylindrical symmetry of the basket and ensures that there are no dents in the baskets. This check also eliminates baskets that could cause a significant amount of wobble, which is specified in the USP. Wobble could come from the basket or the shaft.

Part No.	Description	OEM Ref
CS-PSGNGBSK-UN	Go-no go tool for baskets, Universal	-



CS-PSGNGBSK-UN



Dissolution Basket Storage

Prolong the life of baskets and save money

To ensure they meet USP requirements, it is essential that for all tests, baskets are not bent or deformed.

The chances of accidentally damaging baskets can be significantly reduced with the use of a good quality basket holder, such as this.

Key Benefits:

- Compatible with all popular basket types (Agilent, Caleva, Distek)
- Erweka, Hanson, Pharmatest, Sotax, VanKel, Zymark)
- O-rings ensure baskets are held firmly to the holder
- Stores up to 12 baskets
- Fully stackable, letting you transport many baskets at a time
- Low cost – it pays for itself by preventing damage to just one basket!
- Made from durable Aluminium



Part No.	Description	OEM Ref
CS-PSBSKHL-12	Stackable Dissolution Basket Holder, 12 Position	–

Felodipine Test Basket



Felodipine Stationary Basket

Part No.	Description	OEM Ref
CS-PSSTABSKF-01	USP 26 Felodipine Test Stationary Basket for Varian, VanKel, Agilent	12-2069
CS-PSSTABSKF-EW	USP 26 Felodipine Test Stationary Basket for Erweka	84-100-4100; 18425
CS-PSSTABSKF-HR	USP 26 Felodipine Test Stationary Basket for Hanson	95-590-150
CS-PSSTABSKF-DK	USP 26 Felodipine Test Stationary Basket for Distek	2800-0040
CS-PSSTABSKF-EL	USP 26 Felodipine Test Stationary Basket for Electrolab	0103A00063
CS-PSSTABSKF-PH	USP 26 Felodipine Test Stationary Basket for PharmaTest	303-3035-6
CS-PSSTABQUADFASTRA	ASTRA Basket, Felodipine, Fixed, 20x16x9	-
CS-PSSTABQUADWASTRA	ASTRA Basket, Felodipine, Wired, 20x16x9	-

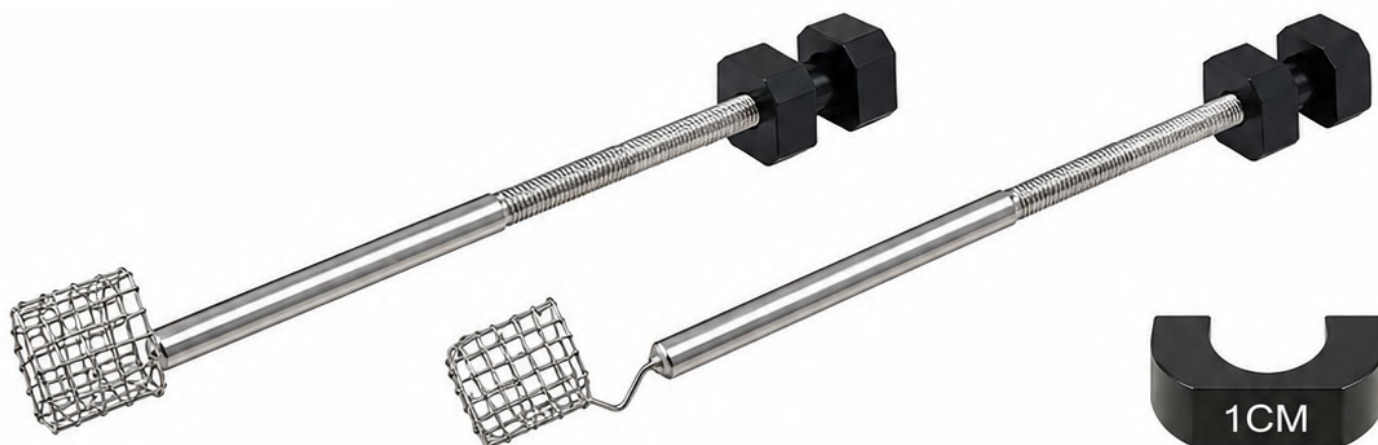
Compatible Vessel Covers (See page 30)

Part No.	Description	OEM Ref
CS-PSCOVHDG-SB	Clear Stationary Basket Apparatus Hinged Cover for Distek Baths	3250-0081
CS-PSCOVHGV-SB	Clear Stationary Basket Apparatus Hinged Cover for Agilent Baths	-
CS-PSCOVERH-SB	Clear Stationary Basket Cover for Hanson	95-590-151
CS-PSCOVERHRV-SB	Clear Stationary Basket Cover for Hanson vision	74-107-019



Stationary Basket Spacer (See page 53)

Part No.	Description	OEM Ref
CS-PSDEPSET-SB	Stationary Basket Spacer, 1cm	-



CS-PSSTABQUADF-ASTRA

CS-PSSTABQUADW-ASTRA

CS-PSDEPSET-SB

Basket Shafts

Agilent Compatible Basket Shafts

Part No.	Description	OEM Ref
CS-PSBSKSHT-13	14.5" (330mm) Spring Clip Style Basket Shaft	12-2073; 13-3615
CS-PSBSKSHT-15	15" (380mm) Spring Clip Style Basket Shaft	12-2070
CS-PSBSKSHT-15G	15" (380mm) Gold plated lower 6", Spring Clip Style Basket Shaft	12-2085
CS-PSBSKSHT-15C	15" (380mm) Spring Clip Style Conical Basket Shaft	12-2075
CS-PSBSKSHT-15CO	15" (380mm) O-Ring Style Conical Basket Shaft	12-2050
CS-PSBSKSHT-19	19" (480mm) Spring Clip Style Basket Shaft	12-2080
CS-PSBSKSHT-19G	19" (480mm) Gold plated lower 6", Spring Clip Style Basket Shaft	12-2086
CS-PSBSKSHT-19C	19" (480mm) Clip style Conical Basket Shaft	12-2081
CS-PSBSKSHT-19CO	19" (480mm) O-Ring style Conical Basket Shaft	12-2056
CS-PSBSKSHT-21	21" (530mm) Clip style Basket Shaft	-
CS-PSBSKSHT-24	24" (610mm) Clip style Basket Shaft	12-2095; 13-3629



CS-PSBSKSHT-15C



CS-PSBSKSHT-15CO



CS-PSSHFT16.5-DK



CS-PSBSKHUB-DK



CS-PSBSKCLP-DK



CS-PSBSKHUB-DKC

Distek Compatible Basket Shafts

Part No.	Description	OEM Ref
CS-PSBSDRNG-16	16.5" (420mm) O-Ring Style Basket Shaft	2821-0074
CS-PSBSKSHT16-DK	16.5" (420mm) Spring Clip Style Basket Shaft	-
CS-PSBSDRNG-19	19" (480mm) O-Ring Style Basket Shaft	2821-0097
CS-PSSHFT165-DK	16.5" (420mm) Detachable Shaft, 2100 series	2800-0165
CS-PSBSKHUB-DK	Basket Adaptor, O-Ring Style	2851-1052
CS-PSBSKHUB-DKC	Basket Adaptor, Evolution Series Only	3200-0038
CS-PSBSKCLP-DK	Basket Clip, Evolution Series Only	3100-0017

Electrolab Compatible Basket Shafts

Part No.	Description	OEM Ref
CS-PSBSKSHT16-EL	16" (405mm) Clip style Basket Shaft	-
CS-PSBSDRING-EL	16" (405mm) O-ring style Basket Shaft	0103A00066

O-ring Style



Spring-Clip Style





Erweka Compatible Basket Shafts

Part No.	Description	OEM Ref
CS-PSBSKSHT16-EW	16" (405mm) Clip style Basket Shaft for High head	84-020-6012
CS-PSBSKHUB-EW	Clip Style Basket hub	91-000-6001



CS-PSBSKHUB-EW

Hanson Compatible Basket Shafts

Part No.	Description	OEM Ref
CS-PSBSKSHT-15	15" (380mm) Spring Clip Style Basket Shaft	65-237-000
CS-PSBSKSHT-15G	15"(380mm) Gold coated Spring clip style Basket Shaft	-
CS-PSBSKSHT-21	21" (530mm) Spring Clip Style Basket Shaft, 2L	65-260-000



CS-PSBSKSHT15



CS-PSBSKSHT-15G



CS-PSBSKSHT-AT7

Pharmatest Compatible Basket Shafts

Part No.	Description	OEM Ref
CS-PSBSKSHT16-PT	16" (405mm) Clip style Basket Shaft	-
CS-PSSHT610-PT	Upper Shaft for PTWS 610/1210, 316S.S.	316-0116
CS-PSBSKHUB610-PT	Clip Style Basket hub with shaft for PTWS 610/1210	316-0220

Sotax Compatible Basket Shafts

Part No.	Description	OEM Ref
CS-PSBSKSHT-AT7	Clip Style Basket top with shaft	7558
CS-PSNPDBSK-AT7	Clip Style Basket top with shaft, PTFE coated	7558-2
CS-PSBSKHUB-ST	Clip Style Basket hub with sample opening	5301



CS-PSBSKHUB-ST

Zymark Compatible Basket Shafts

Part No.	Description	OEM Ref
CS-PSBSKSHT-ZM2	15" (380mm) Double O-Ring Style Conical Basket Shaft	-

CS-PSBSKSHT-ZM2



Spin Shaft Accessories



Agilent Spin Shaft (Interchangeable) Accessories

Part No.	Description	OEM Ref
CS-PSSPNSHT13-01	Spin ON/OFF 14.5" (370mm) Shaft For V-Series (when fully assembled) 316S.S.	-
CS-PSSPNSHT15-01	Spin ON/OFF 15" (380mm) Shaft (when fully assembled) 316S.S.	12-1400; 13-3612
CS-PSSPNSHT19-01	Spin ON/OFF 19" (480mm) Shaft (when fully assembled) 316S.S.	12-1401



CS-PSSPNBSK-01	Spin ON/OFF Spring Clip Style Basket Shaft, 316S.S	12-1430; 13-3631
CS-PSSPNRNG-01	Spin ON/OFF O-Ring Style Basket Shaft, 316S.S.	12-1431; 13-3632
CS-PSSPNBSK-ZM2	Spin ON/OFF Double O-Ring Style Conical Basket Shaft, 316S.S.	-
CS-PSSPNMINBSK-01	Mini Spin-Basket Shaft, 316S.S.	12-3636

CS-PSSPNEPD-01	Spin ON/OFF Electropolished 316S.S. Paddle	12-1421; 13-3603; 14-3603
CS-PSSPNNPD-01	Spin ON/OFF PTFE Coated Paddle 316S.S.	12-1420; 13-3602; 14-3602
CS-PSSPNTPD-01	Spin ON/OFF Solid PTFE Paddle	-
CS-PSMINEPD-01	Mini Spin-Paddle, 316S.S.	12-1443

CS-PSMINPCSV-01	Mini Spin-Paddle, Chinese Small Volume (CSV) 316S.S	-
CS-PSSPNSHT15-01	Spin ON/OFF USP APP 6 Rotating Cylinder for Transdermal Patches, Electropolished 316S.S.	12-1371
CS-PSSPNSHT19-01	Spin ON/OFF USP APP 6 Long Rotating Cylinder for Transdermal Patches, Electropolished 316S.S	-

Hanson Spin Shaft(Interchangeable) Accessories

Part No.	Description	OEM Ref
CS-PSSPNSHT16-HR	Spin ON/Off 16" (405mm) Shaft (when fully assembled) 316S.S.	74-104-445
CS-PSSPNBSK-HR	Spin ON/Off Spring Clip Style Spin Basket Shaft, 316S.S.	74-105-251
CS-PSSPNRNG-HR	Spin ON/OFF O-Ring Style basket Shaft, 316SS	-
CS-PSSPNEPD-HR	Spin ON/Off Electropolished Spin paddle, 316S.S.	74-105-202
CS-PSSPNNPD-HR	Spin ON/Off PTFE coated Spin paddle, 316S.S.	74-105-201
CS-PSMINEPD-HR	Spin ON/OFF Paddle, Mini, 316S.S., Hanson	74-105-204
CS-PSCSVEPD-HR	Mini Spin-Paddle, 316S.S., Chinese Small Volume (CSV)	74-105-290
CS-PSCSVNPD-01	Mini Spin-Paddle, 316S.S., Chinese Small Volume (CSV) PTFE Coated	-
CS-PSSPNAPP6-HR	Spin ON/OFF USP APP 6 Spin Rotating Cylinder, Electropolished, 316S.S.	74-105-240
CS-PSSPNAPP6-HRL	Spin ON/OFF USP APP 6 Long Spin Rotating Cylinder, Electropolished, 316S.S.	-

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 sliding out when carrying
- Holds all lengths and types of basket shafts and paddles
- Non-corrosive, quality plastic construction
- Space-saving, attractive design
- Available in both 12 and 16 shaft capacities



CS-PSPADHLD-12A

Dual Purpose: This basket shaft/paddle holder is 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?

Part No.	Description	OEM Ref
CS-PSPADHLD-12A	Basket Shaft/Paddle Rack, 12 Position	-
CS-PSPADHLD-16A	Basket Shaft/Paddle Rack, 16 Position	-
CS-PSPADHLD-ST	Basket Shaft/Paddle Rack for Sotax, 16 positions	-

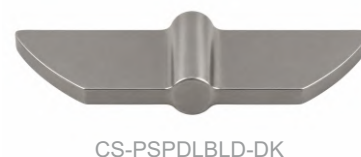
Paddles

Agilent Compatible Paddles

Part No.	Description	OEM Ref
CS-PSEPD013-01	14.5" (370mm) Electropolished Paddle 316S.S. for 7025/7030 series	12-1035; 13-3590
CS-PSEPD013-01	15" (380mm) Electropolished Paddle 316S.S. for 7000/7010 series	12-1030
CS-PSEPD019-01	19" (485mm) Electropolished Paddle 316S.S. for 7000/7010/705/708/709-DS series	12-1040
CS-PSEPD021-01	21" (530mm) Electropolished Paddle 316S.S. for 7000/7010/705/708/709-DS series	-
CS-PSEPD024-01	24" (610mm) Electropolished Paddle 316S.S. for 7000/7010/705/708/709-DS series	12-1318; 12-1045; 13-3597
CS-PSNPD013-01	14.5" (370mm) PTFE Coated Paddle 316S.S. for 7025/7030 series	12-1005; 13-3589
CS-PSNPD015-01	15" (380mm) PTFE Coated Paddle 316S.S. for 7000/7010 series	12-1000
CS-PSNPD019-01	19" (485mm) PTFE Coated Paddle 316S.S. or 7000/7010/705/708/709-DS series	12-1010

Distek Compatible Paddles

Part No.	Description	OEM Ref
CS-PSEPD016-DK	16.5" (420mm) Electropolished Paddle, 316S.S.	2800-0239; 2800-0500
CS-PSNPD016-DK	16.5" (420mm) PTFE Coated Paddle, 316S.S.	2821-0171
CS-PSTPD016-DK	16.5" (420mm) Solid PTFE Paddle	2800-0178
CS-PSPDLBLD-DK	Paddle Blade, screw on, 316S.S.	3251-1050
CS-PSSHFT165-DK	16.5" (420mm) Detachable Shaft, 2100 series	2800-0165
CS-PSTUMSCR-DK	Thumb Screw for Distek Compatible Paddle Shafts	2821-0094



Electrolab Compatible Paddles

Part No.	Description	OEM Ref
CS-PSEPD016-EL	Electropolished Paddle 316S.S.	0103A00085
CS-PSEPD024-EL	Electropolished Paddle 316S.S. for 2L vessel	0103A00086
CS-PSCSVEPD-EL	Electropolished Mini paddle 316S.S. for 250ml	0103A00084
CS-PSMINEPD-EL	Electropolished Mini paddle 316S.S. for 100ml	0103A00083



Erweka Compatible Paddles

Part No.	Description	OEM Ref
CS-PSEPD016-EW	16" (405mm) Electropolished Paddle 316S.S.	-
CS-PSPADHUB-EW	Paddle blade Electropolished 316S.S.	81-000-7001; 22403





Hanson Compatible Paddles

Part No.	Description	OEM Ref
CS-PSEPD016-HR	16" (405mm) Electropolished Paddle, 316S.S.	65-700-036
CS-PSNPD016-HR	16" (405mm) PTFE Coated Paddle, 316S.S.	65-700-030
CS-PSTPD016-HR	16" (405mm) Solid PTFE Paddle	72-800-456
CS-PSTPD018-HR	18" (460mm) Solid PTFE Paddle	72-800-461



Logan Compatible Paddles

Part No.	Description	OEM Ref
CS-PSSHFT175-LG	Detachable Shaft 17.5", 316S.S.	802-0043
CS-PSSHFT023-LG	Detachable Shaft 23", 316S.S.	802-0101
CS-PSPDLBLD-LG	Paddle Blade, screw on, 316S.S.	800-0059



Pharmatest Compatible Paddles

Part No.	Description	OEM Ref
CS-PSEPD610-PT	Electropolished Paddle 316S.S. for PTWS 610/1210	316-0210
CS-PSSPNSHT14-PT	14" (355mm) Detachable Shaft, 316S.S.	316-0116
CS-PSSPNEPD-PT	Paddle Adapter, 316S.S.	316-0210
CS-PSSPNNPD-PT	Paddle Adapter, PTFE Coated	316-0250
CS-PSCSVEPD-PT	Paddle Adapter for Chinese Small Volume	316SS



Sotax Compatible Paddles

Part No.	Description	OEM Ref
CS-PSCSVEPD-ST	Electropolished Chinese Small volume Paddle 316S.S.	9656
CS-PSEDPAD-AT7	Electropolished Paddle 316S.S.	7525
CS-PSNPDPAD-AT7	PTFE coated paddle	7525-2
CS-PSPADHUB-ST	Paddle Electropolished 316 S.S with sample opening	2985-2
CS-PSFILHUB-ST	Sieve for sampling opening, pk/10	2971



CS-PSEPDCSV-AT7



Capsule Sinkers

Basket Sinkers

Part No.	Description	OEM Ref
CS-PSCUSBSK-JP	Japanese Pharmacopeia Basket Sinkers (This has same dimensions as sinker shown in USP)	12-3070
CS-PSBSK008-01	8 Mesh Basket Sinkers	12-3062
CS-PSBSK008-JP	8 Mesh Basket Sinkers, Japanese Pharmacopeia Size	-
CS-PSSNK008-VK	8 Mesh Basket Sinkers with lid	12-3062
CS-PSSNK010-VK	10 Mesh Basket Sinkers with lid	12-3060
CS-PSSNK020-VK	20 Mesh Basket Sinkers with lid	12-3063
CS-PSSNK040-VK	40 Mesh Basket Sinkers with lid	12-3064
CS-PSSNK080-VK	80 Mesh Basket Sinkers with lid	-
CS-PSSNK150-VK	150 Mesh Basket Sinkers with lid	12-3067
CS-PSCUSBSK-ROP	Ropinirole Hydrochloride Cylinder Sinkers, 316S.S	-
CS-PSCUSBSK-ALF	Alfuzosin Hydrochloride Cylinder, 316S.S.	-
CS-PSCUSBSKJPMAG	Magnetic Japanese Pharmacopeia Basket Sinkers (This has same dimensions as sinker shown in USP)	-



Pronged Sinkers

Part No.	Description	OEM Ref
CS-PSCAPWHT-VK	3 Pronged Capsule Sinkers	12-3050
CS-PSMAGWHT-VK	3 Pronged Capsule Sinkers with Magnetic Legs	12-3056
CS-PSCAPWHT-SV	3 Pronged Capsule Sinkers, 316S.S.	-



O-Ring Sinkers

O-ring sinkers feature an expandable rubber ring. This lets the capsule swell whilst still maintaining adequate sinking.

Part No.	Description	OEM Ref
CS-PSCAPWHT-S99	O-Ring Sinkers, 316S.S.	8399



Metformin Hydrochloride vertical sample holder

Part No.	Description	OEM Ref
CS-PSVERTHLD-500	Vertical Sinkers Metformin Hydrochloride for 500mg Tablets	12-2170
CS-PSVERTHLD-750	Vertical Sinkers Metformin Hydrochloride for 750mg/1000mg Tablets	12-2165





Spiral Sinkers

Part No.	Description	OEM Ref
CS-PSCAPWHT-TR	Time Release 316S.S. Capsule Sinker	-
CS-PSCAPWHT-PC	Breath Film 316S.S. Sinker	-
CS-PSCAPWST-15	4 Spiral Sotax Style 316S.S. Capsule Sinker	8280; 0500-0491
CS-PSCAPWHT-04	4 Spiral PTFE Coated Capsule Sinker	-
CS-PSCAPWHT-4H	8 Spiral Hanson style 316S.S. Capsule Sinker	65-190-013
CS-PSCAPWHT-US	Capsule Sinker, U-shaped	-
CS-PSCAPWHT-4HT	Capsule Sinker, Spiral, PTFE coated, 9.5x25mm, Hanson Comp.	-
CS-PSCAPWHT-4S	4 Spiral 316S.S. Capsule Sinker	-
CS-PSCAPWHT-LG	4 Spiral PTFE Coated Capsule Sinker	-
CS-PSCAPWHT-XL	4 Spiral PTFE Coated Capsule Sinker	-
CS-PSCAPWST-18	5 Spiral Sotax Style 316S.S. Capsule Sinker	7346; 0500-0492
CS-PSCAPWST-19	6 Spiral Sotax Style 316S.S. Capsule Sinker	8283
CS-PSCAPWHT-2S	6 Spiral 316S.S. Capsule Sinker	-
CS-PSCAPWHT-02	6 Spiral PTFE Coated Capsule Sinker	-
CS-PSCAPWHT-XS	6 Spiral 316S.S. Capsule Sinker	-
CS-PSCAPWST-23	7 Spiral Sotax Style 316S.S. Capsule Sinker	6881; 0500-0494
CS-PSCAPWST-31	10 Spiral Sotax Style 316S.S. Capsule Sinker	7349; 0500-0495



CS-PSCAPWHT-TR



CS-PSCAPWHT-PC



CS-PSCAPWHT-US



CS-PSCAPWST-15



CS-PSCAPWST-18



CS-PSCAPWST-19



CS-PSCAPWST-23



CS-PSCAPWST-31



CS-PSCAPWHT-02



CS-PSCAPWHT-04



CS-PSCAPWHT-2S



CS-PSCAPWHT-4HT



CS-PSCAPWHT-4S



CS-PSCAPWHT-LG



CS-PSCAPWHT-XL



CS-PSCAPWHT-XS

Type 316 Stainless Steel Wire

This wire is ideal for winding your own tablet sinkers, especially if you have non-standard sized tablets. It is the same high-quality wire used to construct the basket sinkers and spiral sinkers and is very easy to work with.

Part No.	Description	OEM Ref
PSWIRESK-VK	316 Stainless Steel Wire, 0.024" (0.6mm) Diameter, 50' (15m) Roll	12-3000

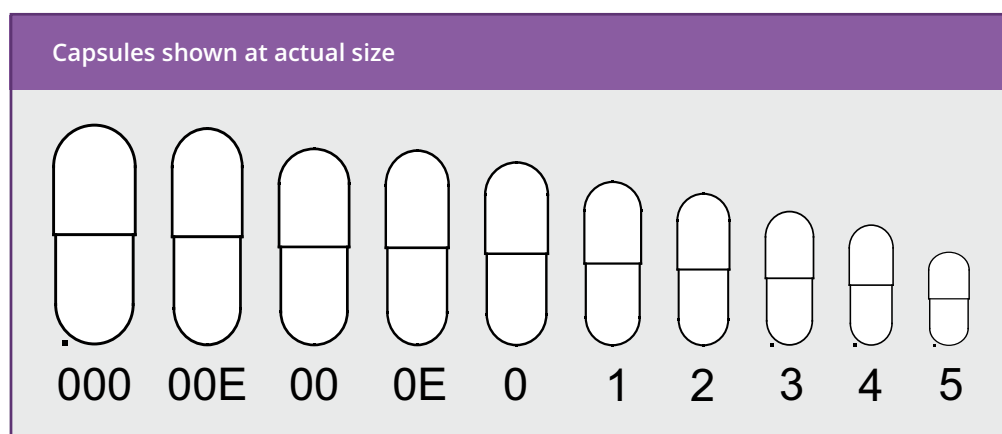
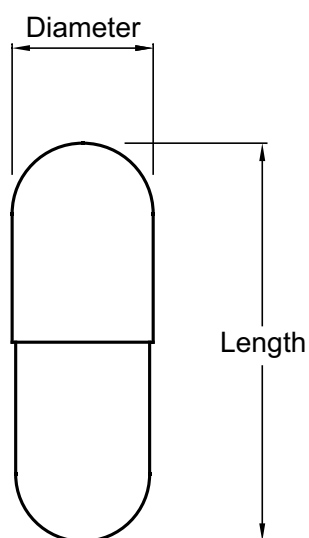
Capsule Sinkers

Sinker Type	Part Number	Style	Material	Coating	Inside Diameter	
					(inches)	(mm)
BASKET	CS-PSCUSBSK-JP	Basket, JP	316 SS	-	0.470	11.9
	CS-PSBSK008-01	Basket, 8 Mesh	316 SS	-	0.620	15.7
	CS-PSBSK008-JP	Basket, 8 Mesh	316 SS	-	0.510	12.9
	CS-PSSNK008-VK	Basket, 8 Mesh	316 SS	-	0.795	20.2
	CS-PSSNK010-VK	Basket, 10 Mesh	316 SS	-	0.795	20.2
	CS-PSSNK020-VK	Basket, 20 Mesh	316 SS	-	0.795	20.2
	CS-PSSNK040-VK	Basket, 40 Mesh	316 SS	-	0.788	20.2
	CS-PSSNK080-VK	Basket, 80 Mesh	316 SS	-	0.795	20.2
PRONGED	CS-PSCAPWHT-VK	3 Prong	Nylon / PP	-	0.375	9.5
	CS-PSMAGWHT-VK	3 Prong	Nylon / PP	-	0.375	9.5
	CS-PSCAPWHT-SV	3 Prong	316 SS	-	0.375	7.0
O-RING	CS-PSCAPWHT-599	O-Ring	316 SS	-	0.230	5.8
SPIRAL	CS-PSCAPWHT-TR	Butterfly	316 SS	-	0.211	5.4
	CS-PSCAPWHT-PC	Strip Film	316 SS	-	0.425	10.8
	CS-PSCAPWST-15	Helix	316 SS	-	0.197	5.0
	CS-PSCAPWHT-04	Helix	Music Wire	PTFE	0.385	9.8
	CS-PSCAPWHT-45	Helix	316 SS	-	0.385	9.8
	CS-PSCAPWHT-LG	Helix	Music Wire	PTFE	0.410	10.4
	CS-PSCAPWHT-XL	Helix	Music Wire	PTFE	0.465	11.8
	CS-PSCAPWHT-XLS	Helix	316 SS	-	0.465	11.8
	CS-PSCAPWHT-XLSS	Helix	316 SS	-	0.465	18.8
	CS-PSCAPWST-18	Helix	316 SS	-	0.236	6.0
	CS-PSCAPWST-19	Helix	316 SS	-	0.276	7.0
	CS-PSCAPWHT-2S	Helix	316 SS	-	0.370	9.4
	CS-PSCAPWHT-02	Helix	Music Wire	PTFE	0.370	9.4
	CS-PSCAPWHT-XS	Helix	316 SS	-	0.575	14.6
	CS-PSCAPWHT-23	Helix	316 SS	-	0.315	8.0
	CS-PSCAPWHT-31	Helix	316 SS	-	0.433	11.0
WIRE	CS-PSWIRESK-VK	Sinker Wire 50'	316 SS	-	—	-

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



Inside Length		Wire Diameter		Max Capsule Size
(inches)	(mm)	(inches)	(mm)	
1.000	25.4	0.040	1.00	00
1.060	26.9	0.028	0.71	000
0.900	22.9	0.028	0.71	0
0.500	12.7	0.028	0.71	1
0.500	12.7	0.025	0.64	1
0.500	12.7	0.016	0.41	1
0.500	12.7	0.010	0.25	1
0.500	12.7	0.007	0.18	1
1.000	25.4	–	–	1 (min=3)
1.000	25.4	–	–	1 (min=3)
1.000	25.4	–	–	1 (min=3)
0.900	22.9	–	–	3
0.375	9.5	0.030	0.76	–
0.425	10.8	0.037	0.94	–
0.610	15.5	0.016	0.41	5
0.840	21.3	0.043	1.09	0
0.840	21.3	0.047	1.19	0
1.100	27.9	0.043	1.09	000
1.150	29.2	0.043	1.09	000
1.150	29.2	0.043	1.09	000
0.885	22.5	0.043	1.09	000
0.709	18	0.016	0.41	Special
0.760	19.3	0.016	0.41	3
0.840	21.3	0.043	1.09	2
0.840	21.3	0.047	1.19	0
0.885	22.5	0.047	1.19	0
0.905	23	0.016	0.41	Special
1.220	31	0.031	0.78	0
–	–	0.032	0.81	000



High Precision Dissolution Vessels

Dissolution Equipment Accessories together with Takao Manufacturing Co. Ltd. has developed instrument made vessels for a wide variety of brands, in Standard and High Precision.

These vessels are available in most common dimensions in Clear Glass, Amber, Peak or Teflon coated.

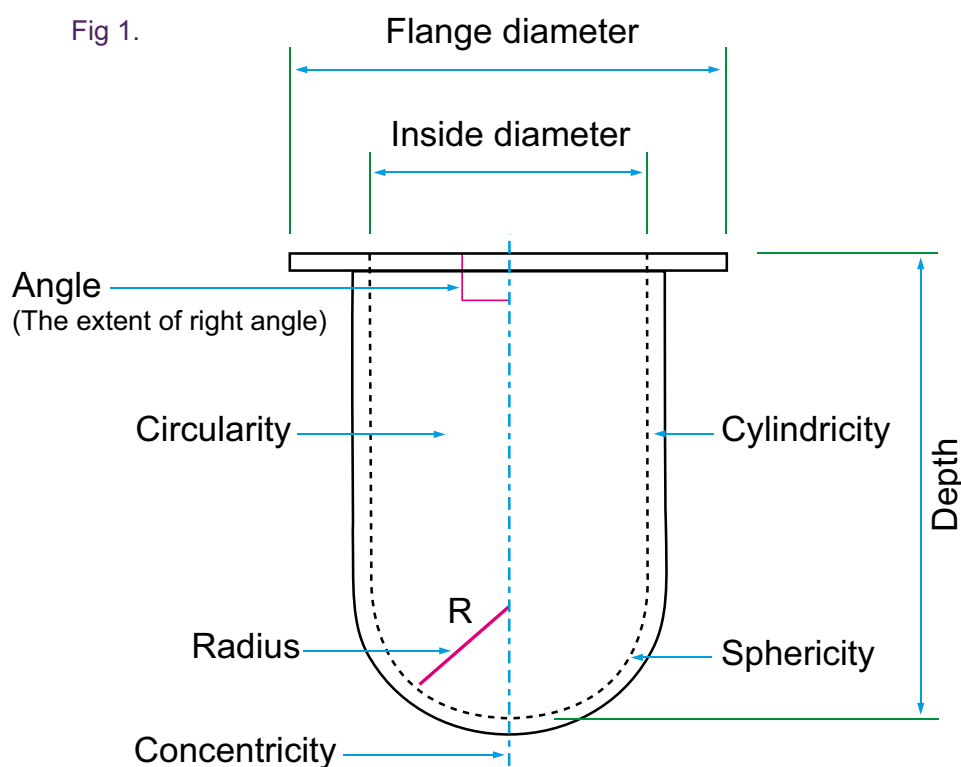
The vessels are adapted to every brand and work without the need of any separate adapter bracket, they fit directly in your Dissolution instrument regardless the manufacturer! **No AccuCenter Vessel Centering is needed!**

The pharmaceutical analysts worldwide may benefit from the Takao Vessels performance, regardless of their vendor of choice.

Precision on physical dimension

Have you ever seen vessels in which the data of physical dimensions are clearly and accurately described like this?

The tolerances of actual data on physical dimensions are surprisingly narrow.



SPECIFICATIONS	
Dimension	Actual Data (minimum-maximum) (mm)
Sphericity	less 0.10
Radius (a)	50.03±0.08
Circularity	less 0.06
Cylindricity	less 0.17
Concentricity	less 0.08
Angle (b)	89.70-90.00

a) Each value was measured by a three-dimensional coordinate measuring machine from Brown & Sharpe (PMM-C700P).

b) The unit is in degree. Eight standard type vessels were subjected to this measurement.

Customization of Vessels

The high precision vessels are customized to your requests. Dissolution Equipment Accessories can produce the vessel at any time changing its size, shape or thickness to fully and immediately meet your testing requirements and specifications. Dissolution Equipment Accessories provides the vessels at affordable price, in spite of its elaborate glass processing. Please contact us for more info.



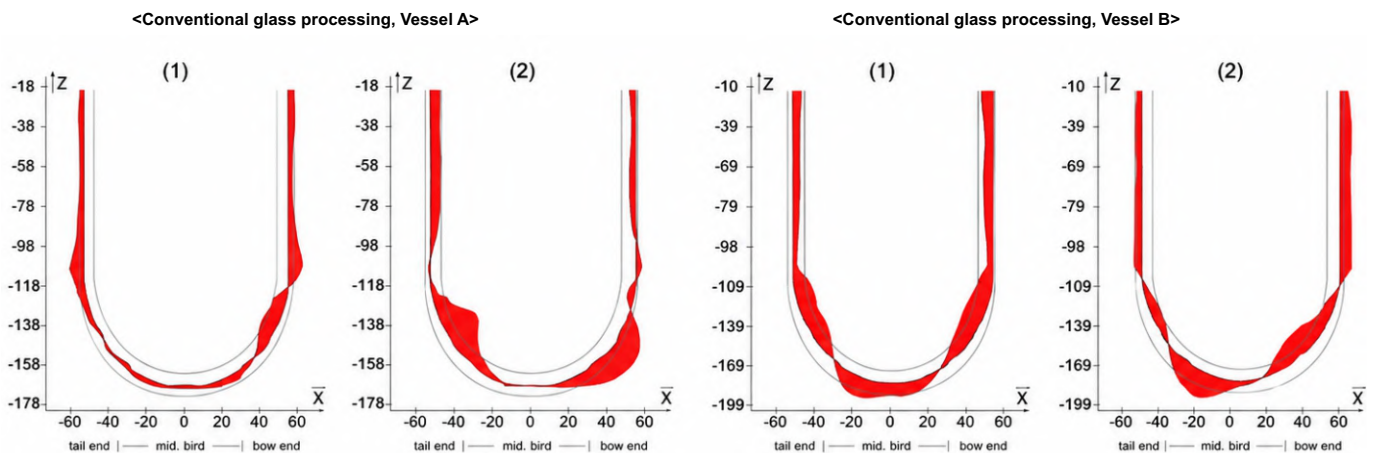
Observations of Vessel Interior Form

No appreciable deviation from the ideal interior shape was observed in the high precision vessel.

Conventional glass processing technology provided a large deviation of actual interior shape of the vessel from its ideal interior form. It indicated an unevenness exceeding 1.5 mm at the height of the undulations on the surface of the inside of the vessel. A large deviation was also observed for the inside cylinder. The whole inner surface was obviously found to be uneven in the vessels produced by conventional glass processing. [Fig.1]

On the other hand, an integrated glass fabrication technology gave almost the ideal interior form. The height of undulations was below 0.14 mm. No apparent deviation was observed for the inside cylinder. The entire inner surface was found to be even in the high precision vessel.

Conventional Glass Processing



Takao's Integrated Glass Fabrication Technology

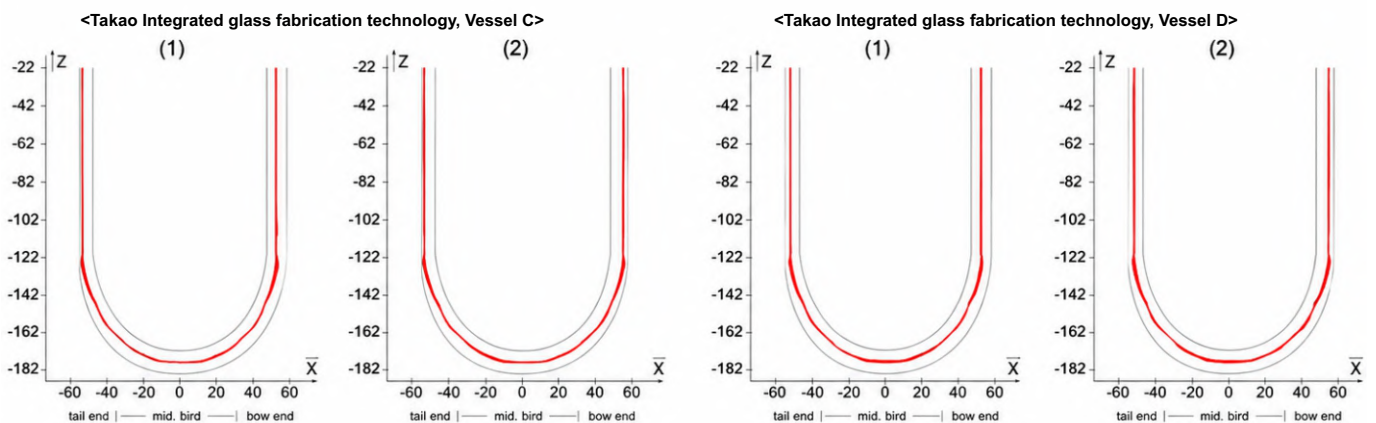


Fig.1 Comparison of deviation from the ideal interior form of the vessel between the two kinds of glass vessels manufactured by conventional glass processing and an integrated fabrication technology. The center line between the two green lines indicates the ideal interior form of the vessel. The red zone indicates the actual deviation of the interior form of the vessel from its ideal interior form. The green lines indicate the ideal interior form ± 0.3 mm. Each right figure (2) indicates the result of the determination at an angle of 90° from the left figure (1). Each determination was carried out by utilizing a three-dimensional coordinate measuring machine (Brown & Sharpe, PMM-C700P).

High Precision Vessels

Centering of Shaft

The exact centering can be achieved only in the use of vessels in which precise sphericity, circularity, concentricity of inner surface, vertical center, and uniform geometry are all guaranteed.

The high precision vessel ensures the vertical center.

Off center shaft is a critical factor in erroneous results. Therefore, USP, EP and JP pharmacopeia strictly specify the shaft position so that its axis is not more than 1 mm at any point from the vertical axis of the vessel. However, how should we identify the vertical axis of the vessel? When the vessel itself has some irregularity, non-uniformity or distortion

of the inside vessel, the vertical axis of vessel remains vague and the essential meaning of centering of shaft will be diminished

The Effect of High Precision Vessel on Drug Dissolution Data

The variation of dissolution data can be markedly decreased by utilizing the high precision vessel.

Our data demonstrate that the range of variability in Prednisone tablet dissolution results obtained from the high precision vessel of Takao was not more than half of that obtained from vessels produced by conventional glass processing technology. [Fig. 3]

Mean dissolution data obtained from conventional vessel vary considerably from position to position in dissolution apparatus. [Fig. 2]

The range of minimum to maximum mean dissolution data in the high precision vessel was one third of that in conventional glass vessel.

A similar result was presented by a Japanese pharmaceutical company at the 124th Annual Meeting of The Pharmaceutical Society of Japan on March 30, 2004, in Osaka.⁴ It was pointed out in the report that the inside bottom shapes of the vessels produced by conventional glass processing were not uniform hemispheres, resulting in much larger variation of dissolution data than those of the vessels with uniform hemisphere bottom like high precision vessel of Takao.

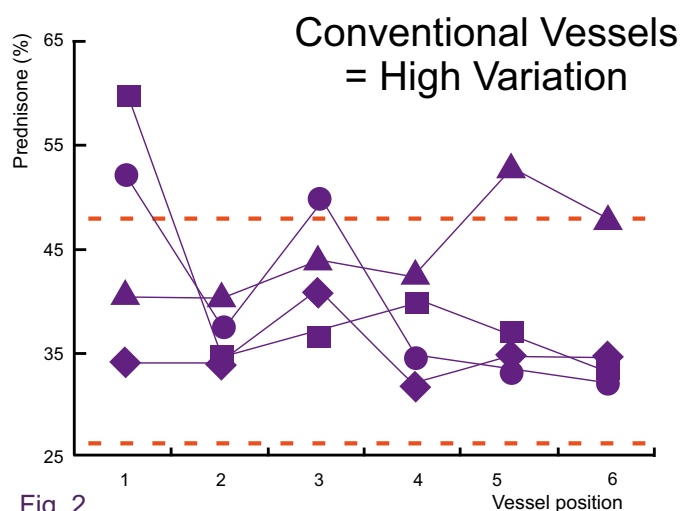


Fig. 2

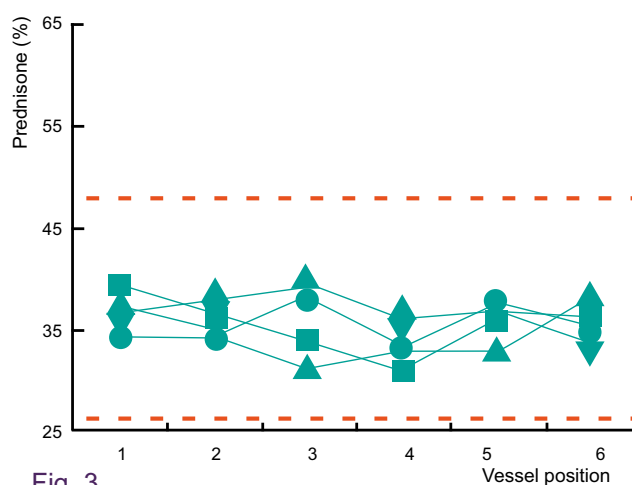


Fig. 3

Interior Form of Vessel and Dissolution Test

It has been reported that inside bottom curvature varies from one vessel to the next and irregular surfaces can occur, depending on the conventional glass processing techniques. Such non-uniformity of bottom curvature and surface irregularity cause dissolution results to differ significantly.

Dissolution testing has remarkably increased in value and significance over the last 30 or so years. It has been widely employed as an important tool in formulation development, in bioequivalence studies and in quality control. It is

well known that the dissolution test involves many variables that can contribute to inaccurate results. Therefore, the current USP, EP and JP specify in detail mechanical parameters of the dissolution tester itself such as a shaft rotation speed, shaft position, wobble, distance of blade to inside bottom of vessel and the like. However, considering the vessel alone, only height and inside diameter are stated as dimensions. In addition, the tolerances of each dimension have been actually quite wide.

An innovative integrated fabrication technique developed by Takao could finally bring a solution to large variation of dissolution results. The most precise and accurate glass vessels were developed by the technology for the first time in the world.

For further reference, see:

Dissolution Technologies, 12(4) November 2005, pages 15-19.

Dissolution Technologies, 14(1) February 2007, pages 28-33.



Agilent Compatible Vessels

Part No.	Description
CS-PSHPGLA900-01	High Precision Clear glass 1000ml vessel
CS-PSHPGLA900-A01	High Precision Amber glass 1000ml vessel
CS-PSHPGLA900-VK	High Precision Clear glass 1000ml vessel
CS-PSHPGLA900-AVK	High Precision Amber glass 1000ml vessel
CS-PSHPGLA900-TA	High Precision Clear glass 1000ml vessel
CS-PSHPGLA900-ATA	High Precision Amber glass 1000ml vessel



Copley Compatible Vessels

Part No.	Description
CS-PSHPGLA900-CP	High Precision Clear glass 1000ml vessel
CS-PSHPGLA900-ACP	High Precision Amber glass 1000ml vessel



Distek Compatible Vessels

Part No.	Description
CS-PSHPGLA900-DK	High Precision Clear glass 1000ml vessel
CS-PSHPGLA900-ADK	High Precision Amber glass 1000ml vessel



Electrolab Compatible Vessels

Part No.	Description
CS-PSHPGLA900-EL	High Precision Clear glass 1000ml vessel
CS-PSHPGLA900-AEL	High Precision Amber glass 1000ml vessel



Erweka Compatible Vessels

Part No.	Description
CS-PSHPGLA900-EW	High Precision Clear glass 1000ml vessel
CS-PSHPGLA900-AEW	High Precision Amber glass 1000ml vessel



High Precision Vessels



Hanson Compatible Vessels

Part No.	Description
CS-PSHPGLA900-HR	High Precision Clear glass 1000ml vessel
CS-PSHPGLA900-AHR	High Precision Amber glass 1000ml vessel
CS-PSHPGLA900-HRV	High Precision Clear glass 1000ml vessel, Vision
CS-PSHPGLA900-AHV	High Precision Amber glass 1000ml vessel, Vision



Logan Compatible Vessels

Part No.	Description
CS-PSHPGLA900-LG	High Precision Clear glass 1000ml vessel
CS-PSHPGLA900-ALG	High Precision Amber glass 1000ml vessel



Pharmatest Compatible Vessels

Part No.	Description
CS-PSHPGLA900-PT	High Precision Clear glass 1000ml vessel
CS-PSHPGLA900-APT	High Precision Amber glass 1000ml vessel



Sotax Compatible Vessels

Part No.	Description
CS-PSHPGLA900-ST	High Precision Clear glass 1000ml vessel
CS-PSHPGLA900-AST	High Precision Amber glass 1000ml vessel



Toyama Compatible Vessels

Part No.	Description
CS-PSHPGLA900-TO	High Precision Clear glass 1000ml vessel
CS-PSHPGLA900-ATO	High Precision Amber glass 1000ml vessel



Chinese (CSV) Vessel



The Chinese Small Volume (CSV) Dissolution system is based on the official method listed in the Chinese pharmacopeia. The CSV system includes a larger media vessel (250 mL typical) commonly used in some special applications. The CSV provides a mid-range volume for applications that require less media volume than standard 500 or 900 mL dissolution tests, but more than traditional small volume. Fixed vessel-mount probes are used. The CSV vessel has an inside diameter of 62 mm (+/- 3 mm) in conformance with the Chinese pharmacopeia, and it is available in both clear and amber glass.

Agilent Compatible for 7000, 7010, 7020 and 7025 Systems

Part No.	Description	OEM Ref
CS-PSCSV250-01	250ml Clear Glass vessel	-
CS-PSCSV250-A01	250ml Amber Glass vessel	-
CS-PSCOVERV-01	Low evaporation cover with Cannula Hole	-
CS-PSCSVASSY-TC	Magnet Conversion Adapter	-
CS-PSCSVEPD-01	Spin on/off mini paddle, 316S.S.	-



CS-PSCSV250-01

Agilent Compatible for 708-DS Systems

Part No.	Description	OEM Ref
CS-PSCSV250-TA	250ml Clear Glass vessel	12-1452
CS-PSCSV250-ATA	250ml Amber Glass vessel	-
CS-PSCOVERV-01	Low evaporation cover with Cannula Hole	-
CS-PSCSVASSY-TA	Vessel Conversion Adapter	-



CS-PSCSV250-A01

Distek Compatible Vessels

Part No.	Description	OEM Ref
CS-PSCSV250-DK	250ml Clear Glass vessel, Distek	3010-0090
CS-PSCSV250-ADK	250ml Amber Glass vessel, Distek	-
CS-PSCSVASSY-DK	Vessel Conversion Adapter	-
CS-PSCOVERD-CSV	Low evaporation cover with Cannula Hole	-
CS-PSCSVBLD-DK	Spin on/off paddle, 316S.S.	-
CS-PSCSVEPD-DK	Spin on/off mini paddle, 316S.S.	-



CS-PSCSV250-TA



CS-PSCSV250-DK

Erweka Compatible Vessels

Part No.	Description	OEM Ref
CS-PSCSV250-EW	250ml Clear Glass vessel, Distek	-
CS-PSCSV250-AEW	250ml Amber Glass vessel, Distek	-
CS-PSCSVASSY-EW	Vessel Conversion Adapter	-
CS-PSCOVCSV-EW	Low evaporation cover with Cannula Hole	-
CS-PSCSVEPD-EWHH	Spin on/off paddle, 316S.S.	-
CS-PSCSVEPD-EWLH	Spin on/off mini paddle, 316S.S.	-



CS-PSCSVEPD-01

Chinese (CSV) Vessel



Hanson Compatible for SR6/SR8

Part No.	Description	OEM Ref
CS-PSCSV250-HR	250ml Clear Glass vessel, Hanson Research	74-105-280
CS-PSCSV250-AHR	250ml Amber Glass vessel, Hanson Research	74-105-281; 94-105-281
CS-PSCSVASSY-HR	Vessel Conversion Adapter	-
CS-PSCOVERH-CSV	Low evaporation cover with Cannula Hole	-
CS-PSCSVEPD-HR	Spin on/off paddle, 316S.S.	74-105-290



CS-PSCSV250-HR



CS-PSCSV250-HRV
WITH EASI-LOCK ADAPTER
AND VESSEL COVER



CS-PSCSV250-ST



CS-PSCSVEPD-ST



CS-PSCSV250-STX

Hanson Compatible for Vision Systems

Part No.	Description	OEM Ref
CS-PSCSVASSY-HRV	Vessel Conversion Easi-Lock Adapter	74-104-175
CS-PSCSV250-HRV	250ml Clear Glass Vessel	74-105-280
CS-PSCSV250-AHRV	250ml Amber Glass Vessel	74-105-281
CS-PSCOVERHV-CSV	Vessel cover with Cannula hole	74-105-173
CS-PSCSVEPD-HRV	Spin on/off paddle, 316S.S.	74-105-290

Sotax Compatible for AT7

Part No.	Description	OEM Ref
CS-PSCSV250-ST	250ml Clear Glass vessel, Sotax	9650
CS-PSCSV250-AST	250ml Amber Glass vessel, Sotax	9650-2
CS-PSCSVEPD-ST	CSV Spin paddle	9656

Sotax Compatible for XTend

Part No.	Description	OEM Ref
CS-PSCSV250-STX	250ml Clear Glass vessel	9650
CS-PSCSV250-ASTX	250ml Amber Glass vessel	9650-2
CS-PSCSVEPD-ST	CSV Spin paddle	9656

Low Volume Vessels, Conversion Kits



Agilent 100ml suited for 7000, 7010, 7020 and 7025 Dissolution System.

Part No.	Description	OEM Ref
CS-PSKIT100-VK	Kit includes;	12-0308
CS-PSGLA100-01	100ml Clear glass vessel	12-5145; 52-5010
CS-PSCOVERV-LL200	Low evaporation cover with Cannula Hole	-
CS-PSSMVASSY-TC	Small Volume Magnet Adapter Vessel	-
CS-PSMINEPD019-01	Spin on/off mini paddle, 316S.S.	12-1443; 13-3608



CS-PSKIT100-VK

Agilent 200ml suited for 7000, 7010, 7020 and 7025 Dissolution System.

Part No.	Description	OEM Ref
CS-PSKIT200-VK	Kit includes;	12-0312
CS-PSGLA200-VK	200ml Clear glass vessel	12-5033
CS-PSCOVERV-LL200	Low evaporation cover with Cannula Hole	-
CS-PSSMVASSY-TC	Small Volume Magnet Adapter Vessel	-
CS-PSMINEPD019-01	Spin on/off mini paddle, 316S.S.	12-1443; 13-3608



CS-PSKIT200-VK

Agilent 100ml suited for 705-DS, 7000 and 7010 Dissolution System.

Part No.	Description	OEM Ref
CS-PSKIT100-01	Kit includes;	12-5040
CS-PSGLA100-01	100ml Clear glass vessel	12-5145; 52-5010
CS-PSSMVCOV-VK	Low evaporation cover with Cannula Hole	-
CS-PSSMVASSY-VK	Small Volume Magnet Adapter Vessel	12-6050
CS-PSMINEPD-01	Spin on/off mini paddle, 316S.S.	12-1443; 13-3608



CS-PSKIT100-01

Agilent 200ml suited for 705-DS, 7000 and 7010 Dissolution System.

Part No.	Description	OEM Ref
CS-PSKIT200-01	Kit includes;	-
CS-PSGLA200-01	200ml Clear glass vessel	12-5050
CS-PSSMVCOV-VK	Low evaporation cover with Cannula Hole	-
CS-PSSMVASSY-VK	Small Volume Vessel Conversion Adapter, incl. cover	12-6050
CS-PSMINEPD-01	Spin on/off mini paddle, 316S.S.	12-1443; 13-3608



CS-PSKIT200-01

Low Volume Vessels, Conversion Kits



Agilent 100ml suited for 708-DS Dissolution System

Part No.	Description	OEM Ref
CS-PSKIT100-TA	Kit includes;	-
CS-PSGLA100-TA	100ml Clear glass vessel	12-5145
CS-PSCOVERV-LL200	Low evaporation cover with Cannula Hole	-
CS-PSSMVASSY-TA	Small Volume Magnet Adapter Vessel	-
CS-PSMINEPD-01	Spin on/off mini paddle, 316S.S.	12-1443; 13-3608



CS-PSKIT100-TA

Agilent 200ml suited for 708-DS Dissolution System.

Part No.	Description	OEM Ref
CS-PSKIT200-TA	Kit includes;	-
CS-PSGLA200-TA	200ml Clear glass vessel	12-5147
CS-PSCOVERV-LL200	Low evaporation cover with Cannula Hole	-
CS-PSSMVASSY-TA	Small Volume Magnet Adapter Vessel	-
CS-PSMINEPD-01	Spin on/off mini paddle, 316S.S.	12-1443; 13-3608



CS-PSKIT200-TA

Distek 100ml suited for 2100, 2500 and Evolution 6300 Dissolution System.

Part No.	Description	OEM Ref
CS-PSKIT100-DK	Kit includes;	2800-0600
CS-PSGLA100-DK	100ml Clear glass vessel	3010-0094
CS-PSSMVCOV-DK	Low evaporation cover with Cannula Hole	-
CS-PSSMVASSY-DK	Small Volume Vessel Conversion Adapter, incl. cover	2800-0602
CS-PSMINBLD-DK	Detachable mini paddle blade, 316S.S	3200-0185



CS-PSKIT100-DK

Distek 200ml suited for 2100, 2500 and Evolution 6300 Dissolution System.

Part No.	Description	OEM Ref
CS-PSKIT200-DK	Kit includes;	-
CS-PSGLA200-DK	200ml Clear glass vessel	3100-0095
CS-PSSMVCOV-DK	Low evaporation cover with Cannula Hole	-
CS-PSSMVASSY-DK	Small Volume Vessel Conversion Adapter, incl. cover	2800-0602
CS-PSMINBLD-DK	Detachable mini paddle blade, 316S.S	3200-0185



CS-PSKIT200-TA

Erweka 100ml LH suited for DT126, DT720, DT820, DT1410 and DT1610 Dissolution System.

Part No.	Description	OEM Ref
CS-PSKIT100-EWLH	Kit includes;	-
CS-PSGLA100-EW	100ml Clear glass vessel	20482
CS-PSSMVASSY-EW	Small Volume Vessel Conversion Adapter	-
CS-PSCOVERV-LL200	Low evaporation cover with Cannula Hole	-
CS-PSMINEPD-EWLH	Spin on/off mini paddle, 316S.S., LH	-

Erweka 100ml HH suited for DT126, DT720, DT820, DT1410 and DT1610 Dissolution System.

Part No.	Description	OEM Ref
CS-PSKIT100-EWHH	Kit includes;	-
CS-PSGLA100-EW	100ml Clear glass vessel	20482
CS-PSSMVASSY-EW	Small Volume Vessel Conversion Adapter	-
CS-PSCOVERV-LL200	Low evaporation cover with Cannula Hole	-
CS-PSMINEPD-EWHH	Spin on/off mini paddle, 316S.S., LH	-

Erweka 400ml LH suited for DT126, DT720, DT820, DT1410 and DT1610 Dissolution System.

Part No.	Description	OEM Ref
CS-PSKIT400-EWLH	Kit includes;	22399
CS-PSGLA400-EW	400ml Clear glass vessel	18373
CS-PSSMVASSY-EW	Small Volume Vessel Conversion Adapter	-
CS-PSCOVERV-LL400	Low evaporation cover with Cannula Hole	-
CS-PSMINEPD-EWLH	Spin on/off mini paddle, 316S.S., LH	-

Erweka 400ml HH suited for DT126, DT720, DT820, DT1410 and DT1610 Dissolution System.

Part No.	Description	OEM Ref
CS-PSKIT400-EWHH	Kit includes;	22398
CS-PSGLA400-EW	400ml Clear glass vessel	18373
CS-PSSMVASSY-EW	Small Volume Vessel Conversion Adapter	-
CS-PSCOVERV-LL400	Low evaporation cover with Cannula Hole	-
CS-PSMINEPD-EWHH	Spin on/off mini paddle, 316S.S., LH	-

Low Volume Vessels, Conversion Kits

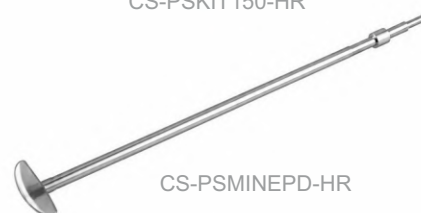


Hanson 150ml suited for SR6, SR8-Plus Dissolution System.

Part No.	Description	OEM Ref
CS-PSKIT150-HR	Kit includes;	-
CS-PSGLA150R-HR	150ml Clear glass vessel, round bottom	74-105-151; 72-600-573
CS-PSCOVERH-LL200	Low evaporation cover with Cannula Hole	72-600-560
CS-PSSMVASSY-HR	Small Volume Vessel Conversion Adapter	-
CS-PSMINEPD-HR	Spin on/off mini paddle, 316S.S.	74-105-203; 74-105-204



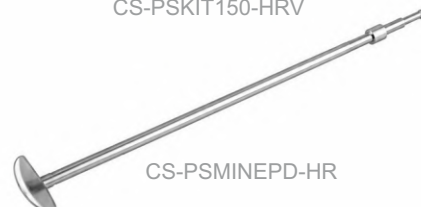
CS-PSKIT150-HR



CS-PSMINEPD-HR



CS-PSKIT150-HRV



CS-PSMINEPD-HR

Hanson 150ml suited for Vision Dissolution System.

Part No.	Description	OEM Ref
CS-PSKIT150-HRV	Kit includes;	-
CS-PSGLA150R-HRV	150ml Clear glass vessel, round bottom	74-105-151; 72-600-573
CS-PSCOVERH-LL200	Low evaporation cover with Cannula Hole	72-600-560
CS-PSSMVASSY-HRV	Small Volume Vessel Conversion Adapter	74-105-155
CS-PSMINEPD-HR	Spin on/off mini paddle, 316S.S.	74-105-203; 74-105-204

Sotax Mini vessels for AT systems.

Part No.	Description	OEM Ref
CS-PSGLA200-ST	Clear glass mini vessel, round bottom	14535-01
CS-PSGLA200-AST	Amber glass mini vessel, round bottom	-
CS-PSGLA200F-ST	Clear glass mini vessel, flat bottom	14534-01



Agilent Compatible Vessels

Part No.	Description	OEM Ref
CS-PSGLA100-VK	100 ml, Clear Glass Vessel	12-5031; 12-5040
CS-PSGLA100-AVK	100 ml, Amber Glass Vessel	-
CS-PSGLA200-VK	200 ml, Clear Glass Vessel	12-5033
CS-PSGLA200-AVK	200 ml, Amber Glass Vessel	-
CS-PSGLA900-VK	1000 ml, Clear Glass Vessel for 7025 and 7030	-
CS-PSGLA900-AVK	1000 ml, Amber Glass Vessel for 7025 and 7030	12-5020
CS-PSGLA900-VKC	1000 ml, Clear Glass Vessel with Collar for 7025 and 7030	12-5035
CS-PSGLA900-AVKC	1000 ml, Amber Glass Vessel with Collar for 7025 and 7030	12-5120
CS-PSGLA9PK-VK	1000 ml Clear Glass Vessel, Peak, for V-Series Bath	12-5125
CS-PSGLA9PK-AVK	1000 ml Amber Glass Vessel, Peak, for V-Series Bath	12-5505
CS-PSGLA9PK-VKC	1000 ml Clear Glass Vessel, Peak, with Collar, for V-Series Bath	12-5125
CS-PSGLA9PK-AVKC	1000 ml Amber Glass Vessel, Peak, with Collar, for V-Series Bath	12-5130
CS-PSGLA02K-VKC	2000 ml, Clear Glass Vessel, with Collar	-
CS-PSGLA02K-AVKC	2000 ml, Amber Glass Vessel, with Collar	-
CS-PSGLA2KPK-VKC	2000 ml, Clear Glass Vessel, Peak with Collar	-
CS-PSGLA2KPK-AVKC	2000 ml, Amber Glass Vessel, Peak with Collar	-



Agilent Compatible Vessels

Part No.	Description	OEM Ref
CS-PSGLA100-01	100 ml, Clear Glass Vessel	12-5040
CS-PSGLA100-A01	100 ml, Amber Glass Vessel	12-5041
CS-PSGLA200-01	200 ml, Clear Glass Vessel	12-5050
CS-PSGLA200-A01	200 ml, Amber Glass Vessel	12-5051
CS-PSGLA500-01	500 ml, Clear Glass Vessel	12-5060
CS-PSGLA500-A01	500 ml, Amber Glass Vessel	12-5065
CS-PSGLA900-01	1000 ml, Clear Glass Vessel	12-5000
CS-PSGLA900-A01	1000 ml, Amber Glass Vessel	12-5010
CS-PSGLA900-01T	1000 ml, Clear Glass Vessel, Teflon Coated	12-5020
CS-PSGLA9PK-01	1000 ml, Clear Glass Vessel, Peak	12-5500
CS-PSGLA9PK-A01	1000 ml, Amber Glass Vessel, Peak	12-5505
CS-PSGLA9PK-01T	1000 ml, Clear Glass Vessel, Peak, Teflon coated	12-5525
CS-PSPLA900-01	1000 ml Clear Plastic Vessel	12-5200
CS-PSPLA900-A01	1000 ml Amber Plastic Vessel	12-5210
CS-PSGLA02K-01	2000 ml, Clear Glass Vessel	12-5070
CS-PSGLA02K-A01	2000 ml, Amber Glass Vessel	12-5075
CS-PSGLA2KPK-01	2000 ml, Clear Glass Vessel, Peak	12-5510
CS-PSGLA2KPK-A01	2000 ml, Amber Glass Vessel, Peak	-

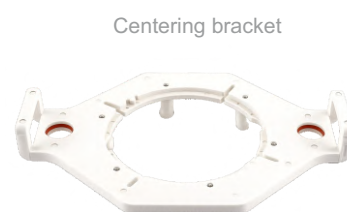


Standard Vessels



Agilent Compatible Vessels

Part No.	Description	OEM Ref
CS-PSEZLBKT-01	Vessel Centering Bracket, 6 Replaceable Pins	12-6050
CS-PSEZLKIT-01	Vessel Centering Bracket Repair Kit (Set of 12 pins)	12-6065
CS-PSEZLPEG-01	Vessel Centering Bracket Peg	12-6065



CS-PSEZLBKT-01

Centering bracket

centering ring mounted to
the vessel
CS-PSGLA900-TA



Agilent Compatible Vessels

Part No.	Description	OEM Ref
CS-PSGLA100-TA	100 ml, Clear Glass Vessel	12-5145
CS-PSGLA100-ATA	100 ml, Amber Glass Vessel	12-5146
CS-PSGLA200F-TA	200 ml, Clear Glass Vessel, Flat Bottom	12-5170
CS-PSGLA200F-ATA	200 ml, Amber Glass Vessel, Flat Bottom	-
CS-PSGLA200-TA	200 ml, Clear Glass Vessel	12-5147
CS-PSGLA200-ATA	200 ml, Amber Glass Vessel	-
CS-PSCSV250-TA	250 ml, Clear Glass Vessel, Chinese Pharmacopeia	12-1452
CS-PSCSV250-ATA	250 ml, Amber Glass Vessel, Chinese Pharmacopeia	-
CS-PSGLA900-TA	1000 ml, Clear Glass Vessel	12-5149
CS-PSGLA900-ATA	1000 ml, Amber Glass Vessel	12-5152
CS-PSGLA9PK-TA	1000 ml, Clear Glass Vessel, Peak	12-5153
CS-PSGLA9PK-ATA	1000 ml, Amber Glass Vessel, Peak	-
CS-PSGLA02K-TA	2000 ml, Clear Glass Vessel	12-5157
CS-PSGLA02K-ATA	2000 ml, Amber Glass Vessel	12-5158
CS-PSGLA2KPK-TA	2000 ml, Clear Glass Vessel, Peak	12-5129
CS-PSGLA2KPK-ATA	2000 ml, Amber Glass Vessel, Peak	-

Caleva Compatible Vessels

Part No.	Description	OEM Ref
CS-PSGLA900-CA	1000ml Clear Glass Vessel	0810004
CS-PSGLA900-ACA	1000ml Amber Glass Vessel	0810009
CS-PSGLA9PK-CA	1000 ml Clear Glass Vessel, Peak	-
CS-PSGLA9PK-ACA	1000 ml Amber Glass Vessel, Peak	-
CS-PSGLA02K-CA	2000 ml Clear Glass Vessel	0810005
CS-PSGLA02K-ACA	2000 ml Amber Glass Vessel	0810010
CS-PSGLA2KPK-CA	2000 ml Clear Glass Vessel, Peak	-
CS-PSGLA2KPK-ACA	2000 ml Amber Glass Vessel, Peak	-



CS-PSGLA900-CA

CS-PSGLA900-ACA



CS-PSGLA900-CO

CS-PSGLA900-ACO

Copley Compatible Vessels

Part No.	Description	OEM Ref
CS-PSGLA900-CP	1000ml Clear Glass Vessel	-
CS-PSGLA900-ACP	1000ml Amber Glass Vessel	-
CS-PSGLA9PK-CP	1000 ml Clear Glass Vessel, Peak	-
CS-PSGLA9PK-ACP	1000 ml Amber Glass Vessel, Peak	-



Distek Compatible Vessels

Part No.	Description	OEM Ref
CS-PSGLA200-DK	200 ml Clear Glass Vessel	3100-0095
CS-PSGLA200-ADK	200 ml Amber Glass Vessel	3100-0095-AMB
CS-PSCSV250-DK	250 ml Clear Glass Vessel, Chinese Pharmacopeia	3010-0090
CS-PSCSV250-ADK	250 ml Amber Glass Vessel, Chinese Pharmacopeia	-
CS-PSGLA500-DK	500 ml Clear Glass Vessel	3010-0040
CS-PSGLA500-ADK	500 ml Amber Glass Vessel	3010-0040-AMB
CS-PSGLA900-DK	1000 ml Clear Glass Vessel	3010-0069
CS-PSGLA900-ADK	1000 ml Amber Glass Vessel	3010-0023
CS-PSGLA900F-DK	1000ml Clear Glass Vessel, Flat bottom	3010-0022
CS-PSGLA905F-ADK	1000ml Amber Glass Vessel, Flat bottom	-
CS-PSGLA9CR-DK	1000 ml Clear Glass Vessel with Acculign Ring	3010-0093
CS-PSGLA9CR-ADK	1000 ml Amber Glass Vessel with Acculign ring	3010-0093-AMB
CS-PSGLA9PK-DK	1000 ml Clear Glass Vessel, Peak	3010-0550
CS-PSGLA9PK-ADK	1000 ml Amber Glass Vessel, Peak	3010-0550-AMB
CS-PSGLA900-DKT	1000 ml Clear Glass Vessel, Teflon Coated with Acculign Ring	3010-0002-T
CS-PSGLP900-DK	1000 ml Clear Glass Vessel, Premier	3010-0096
CS-PSGLP900-ADK	1000 ml Amber Glass Vessel, Premier	3010-0096-AMB
CS-PSGLP900-DKT	1000 ml Clear Glass Vessel, Premier, Teflon Coated	3010-0096-T
CS-PSPLA900-DK	1000 ml Clear Plastic Vessel	3350-0095
CS-PSPLA900-ADK	1000 ml Amber Plastic Vessel	3350-0095-AMB
CS-PSGLA02K-DK	2000 ml Clear Glass Vessel with Acculign Ring	3010-0285
CS-PSGLA02K-ADK	2000 ml Amber Glass Vessel with Acculign Ring	3010-0327-AMB
CS-PSGLA2KPK-DK	2000 ml Clear Glass Vessel, Peak	-
CS-PSGLA2KPK-ADK	2000 ml Amber Glass Vessel, Peak	-
CS-PSGLA04K-DK	4000 ml Clear Glass Vessel with Acculign Ring	3010-0286
CS-PSGLA04K-ADK	4000 ml Amber Glass Vessel with Acculign Ring	3010-0286-AMB
CS-PSGLA4KPK-DK	4000 ml Clear Glass Vessel, Peak	-
CS-PSGLA4KPK-ADK	4000 ml Amber Glass Vessel, Peak	-
CS-PSRING01-DK	(Acculign Ring) Plastic Centering Ring	3350-0096
CS-PSVSCLIP-DK	Vessel Hold Down Clip (for 6300 and 2100 Series)	2821-0257



CS-PSGLA900-DK



CS-PSGLA900-ADK



CS-PSGLA900F-DK



CS-PSGLA905F-ADK



CS-PSGLA900-DKT



CS-PSGLA900-DKT



CS-PSGLA02K-DK



CS-PSGLA500-DK



CS-PSGLA200-DK



CS-PSRING01-DK



CS-PSVSCLIP-DK

Standard Vessels



Electrolab Compatible Vessels

Part No.	Description	OEM Ref
CS-PSGLA100-EL	100ml Clear Glass Vessel	0103A00001
CS-PSGLA250-EL	250ml Clear Glass Vessel	0103A00002
CS-PSGLA900-EL	1000 ml Clear Glass Vessel	0103A00004
CS-PSGLA900-AEL	1000 ml Amber Glass Vessel	0103A00005
CS-PSGLA9PK-EL	1000 ml Clear Glass Vessel, Peak	0103A00010
CS-PSGLA9PK-AEL	1000 ml Amber Glass Vessel, Peak	0103A00018
CS-PSPLA900-EL	1000ml Clear Plastic Vessel	0103A00038
CS-PSPLA900-AEL	1000ml Amber Plastic Vessel	0103A00039
CS-PSGLA02K-EL	2000 ml Clear Glass Vessel	0103A00006
CS-PSGLA02K-AEL	2000 ml Amber Glass Vessel	-
CS-PSGLA2KPK-EL	2000 ml Clear Glass Vessel, Peak	-
CS-PSGLA2KPK-AEL	2000 ml Amber Glass Vessel, Peak	-



CS-PSGLA900-EL



CS-PSGLA900-AEL



CS-PSGLA900-EW



CS-PSGLA900-AEW

Erweka Compatible Vessels

Part No.	Description	OEM Ref
CS-PSGLA250-EW	250 ml Clear Glass Vessel	80-000-0202
CS-PSGLA250-AEW	250 ml Amber Glass Vessel	-
CS-PSCVS250-EW	250 ml Clear Glass Vessel, Chinese Pharmacopeia	-
CS-PSCVS250-AEW	250 ml Amber Glass Vessel, Chinese Pharmacopeia	-
CS-PSGLA900-EW	1000 ml Clear Glass Vessel	80-000-1002; 18365
CS-PSGLA900-AEW	1000 ml Amber Glass Vessel	80-000-1004; 18366
CS-PSGLA9PK-EW	1000 ml Clear Glass Vessel, Peak	19115
CS-PSGLA9PK-AEW	1000 ml Amber Glass Vessel, Peak	-
CS-PSPLA900-EW	1000 ml Clear Plastic Vessel	80-000-1001
CS-PSPLA900-AEW	1000 ml Amber Plastic Vessel	-
CS-PSGLA02K-EW	2000 ml Clear Glass Vessel	80-000-2002; 18367
CS-PSGLA02K-AEW	2000 ml Amber Glass Vessel	18368
CS-PSCNTRNG-EW	Centering Ring for Erweka Vessel	84-060-3000



CS-PSGLA02K-EW



CS-PSPLA900-EW



CS-PSCNTRNG-EW



Hanson Compatible Vessels SR6-SR8

Part No.	Description	OEM Ref
CS-PSGLA150R-HR	150 ml Clear Glass Vessel	72-600-573
CS-PSGLA150R-AHR	150 ml Amber Glass Vessel	72-600-583
CS-PSGLA150F-HR	150 ml Clear Glass Vessel, Flat Bottom	74-105-152
CS-PSGLA150F-AHR	150 ml Amber Glass Vessel, Flat Bottom	74-105-162
CS-PSCSV250-HR	250 ml Clear Glass, Chinese Pharmacopeia	74-105-280
CS-PSCSV250-AHR	250 ml Amber Glass, Chinese Pharmacopeia	74-105-281
CS-PSGLA500-HR	500 ml Clear Glass Vessel	-
CS-PSGLA500-AHR	500 ml Amber Glass Vessel	-
CS-PSGLA900-HR	1000 ml Clear Glass Vessel, USP, Precision	72-600-510
CS-PSGLA900-AHR	1000 ml Amber Glass Vessel, USP, Precision	72-600-556
CS-PSPLA900-HR	1000 ml Plastic Clear Vessel, USP, Precision	91-030-003
CS-PSPLA900-AHR	1000 ml Plastic Amber Vessel, USP, Precision,	91-030-004
CS-PSGLA9PK-HR	1000 ml Clear Glass Vessel, Peak, USP, Precision	95-590-047
CS-PSGLA9PK-AHR	1000 ml Amber Glass Vessel, Peak, USP, Precision	95-590-048
CS-PSGLA02K-HR	2000 ml Clear Glass Vessel, USP, Precision	72-600-509
CS-PSGLA02K-AHR	2000 ml Amber Glass Vessel, USP, Precision	72-600-580
CS-PSGLA2KPK-HR	2000 ml Clear Glass Vessel, Peak	-
CS-PSGLA2KPK-AHR	2000 ml Amber Glass Vessel, Peak	-
CS-PSGLA04K-HR	4000 ml Clear Glass Vessel	-
CS-PSCNTRNG-HR	Vessel Centering Ring (1 & 2 L Vessels)	73-100-550



CS-PSGLA900-HR



CS-PSGLA900-AHR



CS-PSGLA9PK-HR



CS-PSGLA500-HR



CS-PSGLA02K-HR



CS-PSPLA900-HR

Hanson Compatible Vessels for Vision

Part No.	Description	OEM Ref
CS-PSGLA900-HRV	1000ml Clear Glass Vessel, Vision Easi-lock Comp., USP Precision	74-104-101
CS-PSGLA900-AHRV	1000ml Amber Glass Vessel, Vision Easi-lock Comp., USP Precision	74-104-102
CS-PSGLA9PK-HRV	1000ml Clear Glass PEAK Vessel, Vision Easi-lock Comp., USP Precision	74-104-131
CS-PSGLA9PK-AHRV	1000ml Amber Glass PEAK Vessel, Vision Easi-lock Comp., USP Precision	74-104-132
CS-PSGLA02K-HRV	2000ml Clear Glass Vessel, Vision Easi-lock Comp., USP Precision	74-104-111
CS-PSGLA02K-AHRV	2000ml Amber Glass Vessel, Vision Easi-lock Comp., USP Precision	74-104-112
CS-PSCNTRNG-HRV	Vessel centering Ring (1L & 2L Vessels), Vision	74-105-106



CS-PSGLA900-HRV



CS-PSGLA9PK-HRV

Standard Vessels



Logan Compatible Vessels

Part No.	Description	OEM Ref
CS-PSGLA900-LG	1000ml Clear Glass Vessel	200-2045;800-0124
CS-PSGLA9PK-LG	1000ml Clear Glass Vessel, PEAK	800-0140
CS-PSGLA900-ALG	1000ml Amber Glass Vessel	800-0147
CS-PSPLA900-LG	1000ml Clear Plastic Vessel	200-0900
CS-PSPLA900-ALG	1000ml Amber Plastic Vessel	-
CS-PSGLA02K-LG	2000ml Clear Glass Vessel	200-0126
CS-PSGLA02K-ALG	2000ml Amber Glass Vessel	-



CS-PSGLA900-LG



CS-PSGLA900-ALG

Pharmatest Compatible Vessels

Part No.	Description	OEM Ref
CS-PSGLA900-PT	1000 ml Clear Glass Vessel	303-5225
CS-PSGLA900-APT	1000 ml Amber Glass Vessel	303-5425
CS-PSGLA900-PTR	1000 ml Clear Glass Vessel, Enlarged Top Flange	-
CS-PSGLA900-APTR	1000 ml Amber Glass Vessel, Enlarged Top Flange	-
CS-PSGLA9PK-PT	1000 ml Clear Glass Vessel, Peak	-
CS-PSGLA9PK-APT	1000 ml Amber Glass Vessel, Peak	-
CS-PSPLA900-PT	1000 ml Clear Plastic Vessel	-
CS-PSPLA900-APT	1000 ml Amber Plastic Vessel	-
CS-PSGLA02K-PT	2000 ml Clear Glass Vessel	303-5221
CS-PSGLA02K-APT	2000 ml Amber Glass Vessel	303-5222
CS-PSGLA2KPK-PT	2000 ml Clear Glass Vessel, Peak	-
CS-PSGLA2KPK-APT	2000 ml Amber Glass Vessel, Peak	-



CS-PSGLA900-PT



CS-PSGLA900-APT



CS-PSPLA900-PT



CS-PSPLA900-APT

Sotax Compatible Vessels

Part No.	Description	OEM Ref
CS-PSCSV250-ST	250 ml mini Chinese Clear Glass Vessel	9650
CS-PSCSV250-AST	250 ml mini Chinese Amber Glass Vessel	9650-2
CS-PSGLA900-ST	1000 ml Clear Glass Vessel	2503
CS-PSGLA900-AST	1000 ml Amber Glass Vessel	2503-2



CS-PSGLA900-ST



CS-PSCSV250-ST

Sotax Compatible Vessels Xtend

Part No.	Description	OEM Ref
CS-PSCSV250-STX	250ml Clear Glass Chinese Small Volume Vessel, Xtend	14536-01
CS-PSCSV250-ASTX	250ml Amber Glass Chinese Small Volume Vessel, Xtend	-
CS-PSGLA900-STX	1000ml Clear Glass Vessel, Xtend	14143-01
CS-PSGLA900-ASTX	1000ml Amber Glass Vessel, Xtend	14143-02



CS-PSCSV250-STX



CS-PSGLA900-STX



Toyama Compatible Vessels

Part No.	Description	OEM Ref
CS-PSGLA900-TO	1000ml Clear Glass Vessel	-
CS-PSGLA900-ATO	1000ml Amber Glass Vessel	-
CS-PSGLA9PK-TO	1000 ml Clear Glass Vessel, Peak	-
CS-PSGLA9PK-ATO	1000 ml Amber Glass Vessel, Peak	-



CS-PSGLA900-TO



CS-PSGLA900-ATO

Zymark Compatible Vessels

Part No.	Description	OEM Ref
CS-PSGLA900-ZM	1000 ml Clear Glass Vessel	-
CS-PSGLA900-AZM	1000 ml Amber Glass Vessel	-
CS-PSGLA9CR-ZM	1000 ml Clear Glass Vessel with Centering Ring	58730
CS-PSGLA9CR-AZM	1000 ml Amber Glass Vessel with Centering Ring	-
CS-PSGLA9PK-ZM	1000 ml Clear Glass Vessel, Peak	-
CS-PSGLA9PK-AZM	1000 ml Amber Glass Vessel, Peak	-
CS-PSCNTRNG-ZM	Multidose Centering Ring	69606



CS-PSGLA900-ZM



CS-PSGLA900-AZM

Flange Protection Ring

Part No.	Description	OEM Ref
CS-PSPRORNG-01	Protection ring for Agilent 1000ml vessel	-
CS-PSPRORNG-DK	Protection ring for Distek 1000ml vessel	-
CS-PSPRORNG-HR	Protection ring for Hanson SR6/SR8 1000ml vessel	-
CS-PSPRORNG-PT	Protection ring for Pharmatest 1000ml vessel	-
CS-PSPRORNG-ST	Protection ring for Sotax AT7 1000ml vessel	-



CS-PSPRORNG-01

Teflon Coated Vessels are available on customers request.

In many cases Teflon Coated Vessels are used when the measured sample is sticky and sticks to the wall or bottom of the dissolution vessel. This can affect your measurement dramatically. The Teflon coating on the inside of the dissolution vessel can prevent that the sample sticks to the dissolution vessel.



Agilent Compatible Vessel Covers

Part No.	Description	OEM Ref
CS-PSCOVERV-00	Low Evaporation Rotary Cover, 0.31" (7.9mm) Cannula Hole Diameter	-
CS-PSCOVERV-01	Clear Cover with Paddle Slot, 0.31" (7.9mm) Cannula Hole Diameter	12-6300
CS-PSCOVERV-02	Amber Cover with Paddle Slot, 0.31" (7.9mm) Cannula Hole Diameter	12-6320
CS-PSCOVERV-03	Clear Solid Cover	12-6330
CS-PSCOVERV-04	Clear Evaporation Cover for Dosage Delivery Module, 0.31" (7.9mm) Cannula Hole Diameter	12-6310
CS-PSCOVERV-HG	Clear Low Evaporation Hinged Cover, 0.31" (7.9mm) Cannula Hole Diameter	-
CS-PSCOVERV-LL	Low Loss Evaporation Cover, Conical Shape, 0.78" (19.8mm) Cannula Hole Diameter	12-0469
CS-PSCOVERV-LLHG	Low Loss Evaporation Hinged Cover, Conical Shape, 0.78" (19.8mm) Cannula Hole Diameter	12-6328
CS-PSCOVERV-LLSB	Stationary Basket Apparatus Low Loss Evaporation Hinged Cover, Conical Shape	-
CS-PSCOVERV-LLVS	Low Loss Evaporation Hinged Cover, Conical Shape, 0.78" (19.8mm) Cannula Hole Diameter	12-6327
CS-PSCOVERV-LL200	Mini Vessel Cover, Conical, Low Loss for 200ml vessel	-
CS-PSCOVHGV-SB	Clear Stationary Basket Apparatus Hinged Cover	-
CS-PSCOVERV-6K	Clear Evaporation Cover for VK600/VK6000 Series, 0.31" (7.9mm) Cannula Hole Diameter	12-6200

Distek Compatible Vessel Covers

Part No.	Description	OEM Ref
CS-PSCOVERD-00	Low Evaporation Rotary Cover, 0.53" (13.5mm) Cannula Hole Diameter	-
CS-PSCOVERD-01	Clear Hinged Cover, 0.53" (13.5mm) Cannula Hole Diameter	3250-0089
CS-PSCOVERD-02	Amber Hinged Cover, 0.53" (13.5mm) Cannula Hole Diameter	-
CS-PSCOVERD-BK	Clear Hinged Cover with Large Centre Hole for Easy Basket Access, 0.53" (13.5mm) Cannula Hole Diameter	3250-0070; 2800-0870
CS-PSCOVERD-ABK	Amber Hinged Cover with Large Centre Hole for Easy Basket Access, 0.53" (13.5mm) Cannula Hole Diameter	-
CS-PSCOVERD-HG	Clear Low Evaporation Hinged Cover, 0.53" (13.5mm) Cannula Hole Diameter	-
CS-PSCOVHDG-SB	Clear Stationary Basket Apparatus Hinged Cover	3250-0081
CS-PSCOVPLG-7D	7th Position Cover Plug	3350-0109
CS-PSCOVPLG-DK	Probe Hole Plug, pk/2	5720-4037
CS-PSCOVCAP-DK	Clear Cap for Basket Access Cover	3250-0019; 2800-0055
CS-PSCOVCAP-ADK	Amber Cap for Basket Access Cover	-
CS-PSHINGE-DK	Plastic Hinge	5560-6011

Hanson Compatible Vessel Covers

Part No.	Description	OEM Ref
CS-PSCOVERH-00	Low Evaporation Rotary Cover, 0.53" (13.5mm) Cannula Hole Diameter	65-233-170
CS-PSCOVERH-01	Clear Cover with Paddle Slot	72-500-215
CS-PSCOVERH-02	Grey Cover with Paddle Slot	72-800-603
CS-PSCOVERH-03	Amber Cover with Paddle Slot	-
CS-PSCOVERH-04	Clear Solid Cover	-
CS-PSCOVERH-HG	Clear Low Evaporation Hinged Cover, 0.53" (13.5mm) Cannula Hole Diameter	95-590-046
CS-PSCOVERH-LL	Low Loss Evaporation Cover, Conical Shape	-



CS-PSCOVERD-00



CS-PSCOVERD-01



CS-PSCOVERD-02



CS-PSCOVERD-BK



CS-PSCOVERD-ABK



CS-PSCOVERD-HG



CS-PSCOVDHG-SB



CS-PSCOVPLG-7D



CS-PSCOVPLG-DK



CS-PSCOVCAP-DK



CS-PSHINGE-DK



CS-PSCOVERH-00



CS-PSCOVERH-01



CS-PSCOVERH-02



CS-PSCOVERH-03



CS-PSCOVERH-04



CS-PSCOVERH-HG



CS-PSCOVERV-00



CS-PSCOVERV-01



CS-PSCOVERV-02



CS-PSCOVERV-03



CS-PSCOVERV-04



CS-PSCOVERV-HG



CS-PSCOVERV-LL



CS-PSCOVERV-LLHG



CS-PSCOVERV-LLVS



CS-PSCOVERV-6K



CS-PSCOVERV-LL200

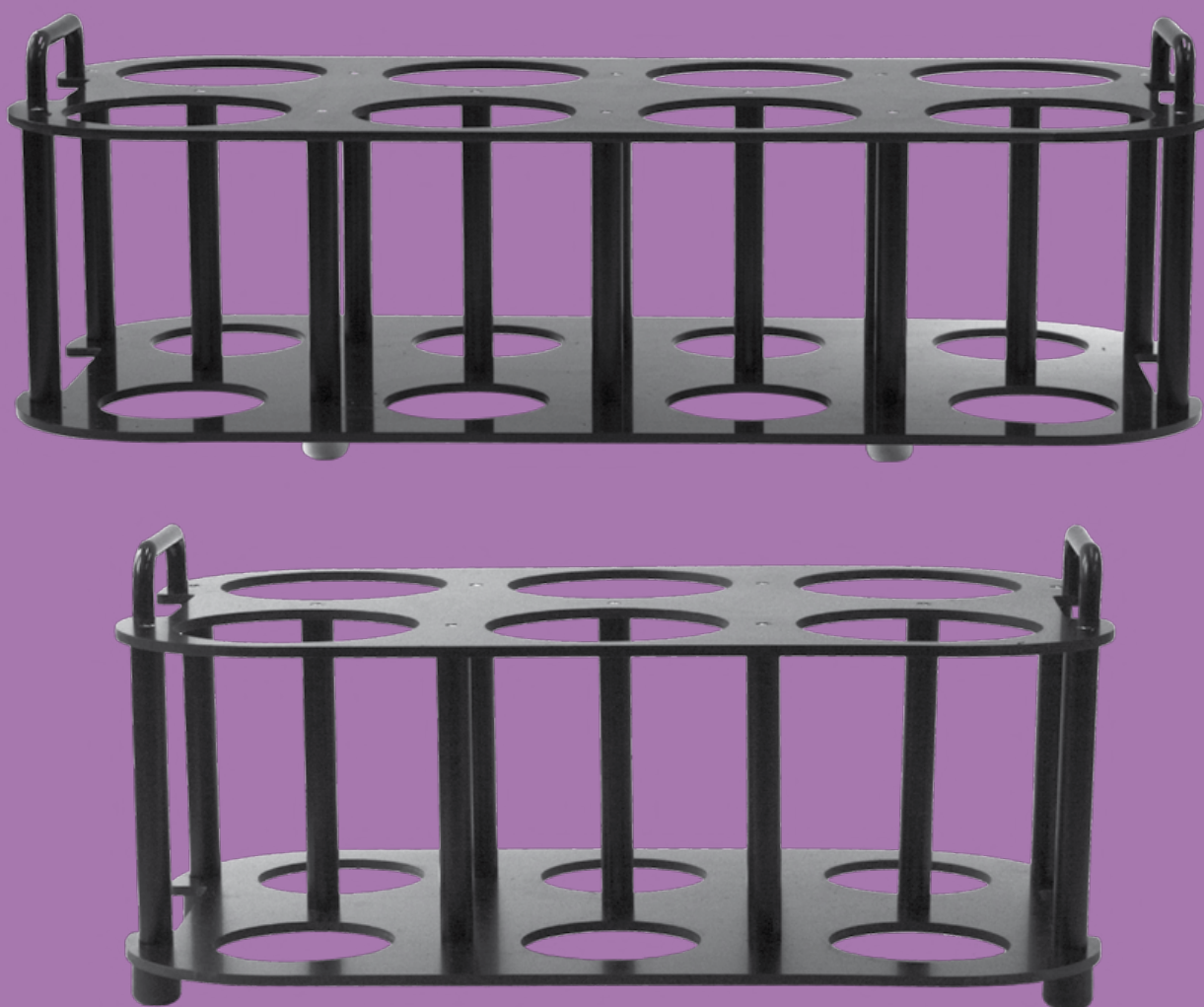
Universal Vessel Stands

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 steel/acrylic 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
CS-PSVESSTD06-UN	Vessel Stand, 6 Position	-
CS-PSVESSTD06-UN	Vessel Stand, 8 Position	-
CS- PSVESSTD08-ST	Vessel Stand Sotax, 8 Positions	-



Dissolution Equipment Accessories (DA) Dissolution Filters help deliver precision, accuracy and reliability to meet the most challenging dissolution applications. The unique structural characteristics of our lightweight, porous materials result in design flexibility and long-term value advantages. Fabricated from polyethylene (PE) and ultra-high molecular weight compression fit and a strong, durable construction to withstand the rigors of automated equipment assembly.

Dissolution testing is a critical performance measurement in pharmaceutical tablet and capsule products. Used to determine the bioequivalence and absorption in the human body with in vitro-in vivo correlations, dissolution testing is conducted in apparatuses under a variety of test conditions according to the nature of the dosage form. Dissolution testing equipment removes, filters and collects sample aliquots for further analysis. DA Dissolution Media - cannula filters, filter disks and filter tips - are used to help filter contaminants and facilitate testing.

When a filter is required for clean sample collection and equipment protection, DA Dissolution Filters are the porous design solutions chosen by a broad spectrum of Dissolution equipment manufacturers to meet individual design and performance specifications.

Dissolution Filters

Dissolution Filters from Dissolution Equipment Accessories are used when samples are taken to prevent particles of tablet from getting into the sample and affecting the spectrophotometer or HPLC results.



Dissolution Equipment Accessories offers an extensive range of Dissolution Filters.

Choose between:

- Cannula filters - used when high levels of particulate are present.
- Filter Discs - Low volume sample probes may require an In-Line Filter Disc. These are designed to keep the filtration process outside the vessel.
- Filter Tips - smaller than cannula filters, filter tips fit on the end of larger diameter sample probes.

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

Cannula Filters

Manufactured from porous UHMWPE, Dissolution Equipment Accessories (DA) Cannula filters are used on the end of a sampling cannula and feature a large surface area and optimized flow rate for an ideal choice in applications with high presence of particulates. DA Cannula filters are available in 1, 4, 10, 20, 35, 40, 45 and 70 microns sizes.

Filters Discs

Manufactured from porous PE, DA Filters Discs are circular filters used with low-dimension sample probes in applications where it is important to keep the filtration outside of the vessels. DA Filter Discs are available in 10, 45, 70 and 90 micron sizes.

Filter Tips

Manufactured from porous PE, DA Filter Tips are used with low quantities of particulates and flow at the filter bottom. DA Filter Tips are available in 2, 5, 10, 20 and 45 micron sizes and can be used on sample cannulas with 1/6" diameter.

Filters

Agilent Compatible Cannula Filters and Filter Tips

Agilent baths normally use either cannula style filters or filter tips. The filter tips fit on the end of larger diameter sample probes.

Part No.	Description	Quantity	OEM Ref
CS-PSFIL001-01-100	1µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL001-01-1000		1000	17-4003
CS-PSFIL004-01-100	4µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL004-01-1000		1000	17-4004
CS-PSFIL001-VK-100	1µm Direct Fit Cannula Filters (no Tygon Tubing needed), UHMW Polyethylene	100	-
CS-PSFIL001-VK-1000		1000	-
CS-PSFIL004-VK-100	4µm Direct Fit Cannula Filters (no Tygon Tubing needed), UHMW Polyethylene	100	-
CS-PSFIL004-VK-1000		1000	-
CS-PSFIL010-01-100	10µm Cannula Filters, UHMW Polyethylene	100	17-4000
CS-PSFIL010-01-1000		1000	17-4005
CS-PSFIL010-VK-100	10µm Direct Fit Cannula Filters (no Tygon tubing needed), UHMW Polyethylene	100	-
CS-PSFIL010-VK-1000		1000	-
CS-PSFIL020-01-100	20µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL020-01-1000		1000	-
CS-PSFIL035-01-100	35µm Cannula Filters, UHMW Polyethylene	100	17-4010
CS-PSFIL035-01-1000		1000	17-4015
CS-PSFIL035-VK-100	35µm Direct Fit Cannula Filters (no Tygon tubing needed), UHMW Polyethylene	100	-
CS-PSFIL035-VK-1000		1000	-
CS-PSFIL045-01-100	45µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL045-01-1000		1000	-
CS-PSFIL045-VK-100	45µm Direct Fit Cannula Filters (no Tygon tubing needed), UHMW Polyethylene	100	17-4020
CS-PSFIL045-VK-1000		1000	17-4025
CS-PSFIL070-01-100	70µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL070-01-1000		1000	-
CS-PSFIL070-VK-100	70µm Direct Fit Cannula Filters (no Tygon tubing needed), UHMW Polyethylene	100	-
CS-PSFIL070-VK-1000		1000	-



CS-PSFIL010-01-100/1000



CS-PSFIL035-01-100/1000



CS-PSFILTIP-45

CS-PSFILTIP-02	2µm Filter Tips	1000	17-4100
CS-PSFILTIP-05	5µm Filter Tips	1000	17-4110
CS-PSFILTIP-10	10µm Filter Tips	1000	17-4120
CS-PSFILTIP-20	20µm Filter Tips	1000	17-4130
CS-PSFILTIP-45	45µm Filter Tips	1000	17-4140

PVDF filter available for all brands.

Filters are made of either Ultrahigh molecular weight polyethylene (UHMWPE) or the Polyvinylidene fluoride (PVDF). In those instances where chemicals compatibility is an issue with UHMWPE, we offer PVDF filters. These are made of a low protein-binding material that can filter a wide variety of active drug substances.

Full Flow Filters are made of either Ultrahigh molecular weight polyethylene (UHMWPE) or the Polyvinylidene fluoride (PVDF), the Full Flow Filter offers increased surface area to optimize filter life and prevent clogging. In those instances where chemicals compatibility is an issue with UHMWPE, we offer PVDF filters. These are made of a low protein-binding material that can filter a wide variety of active drug substances. Both UHMWPE and PVDF filters can be used with 1/8" diameter cannulas and are available in packs of 100 or 1000.



Caleva Compatible Cannula Filters

Part No.	Description	Quantity	OEM Ref
CS-PSFIL001-CA-100	1µm Cannula Filters, UHMW Polyethylene	100	0810100
CS-PSFIL001-CA-1000		1000	0810101
CS-PSFIL004-CA-100	4µm Cannula Filters, UHMW Polyethylene	100	0810103
CS-PSFIL004-CA-1000		1000	0810104
CS-PSFIL010-CA-100	10µm Cannula Filters, UHMW Polyethylene	100	0810106
CS-PSFIL010-CA-1000		1000	0810107
CS-PSFIL035-CA-100	35µm Cannula Filters, UHMW Polyethylene	100	0810142
CS-PSFIL035-CA-1000		1000	0810143
CS-PSFIL040-CA-100	40µm Cannula Filters, UHMW Polyethylene	100	0810097
CS-PSFIL040-CA-1000		1000	0810098
CS-PSFIL070-CA-100	70µm Cannula Filters, UHMW Polyethylene	100	0810145
CS-PSFIL070-CA-1000		1000	0810146



Caleva Cannula Filter

Distek Compatible Filter Discs and Cannula Filters

Distek tablet dissolution baths utilise a narrow sample probe that incorporates a small filter disc at the top. As these small filters can become blocked, an external filter at the end of the sample probe may be used instead of, or in addition to the filter disc.

Part No.	Description	Quantity	OEM Ref
CS-PSFIL010-DK	10µm Filter Discs, UHMW Polyethylene	1000	5720-0203
CS-PSFIL045-DK	45µm Filter Discs, UHMW Polyethylene	1000	5720-0275
CS-PSFIL070-DK	70µm Filter Discs, UHMW Polyethylene	1000	-
CS-PSFIL090-DK	90µm Filter Discs, UHMW Polyethylene	1000	-



Distek Filter Disc

CS-PSFIL015-DK-100	1µm Cannula Filters, 1/16" (1.6mm) ID, UHMW Polyethylene	100	5720-0225-100
CS-PSFIL015-DK-1000		1000	5720-0255-1000
CS-PSFIL045-DK-100	4µm Cannula Filters, 1/16" (1.6mm) ID, UHMW Polyethylene	100	-
CS-PSFIL045-DK-1000		1000	-
CS-PSFIL105-DK-100	10µm Cannula Filters, 1/16" (1.6mm) ID, UHMW Polyethylene	100	5720-0500
CS-PSFIL105-DK-1000		1000	5720-0501
CS-PSFIL205-DK-100	20µm Cannula Filters, 1/16" (1.6mm) ID, UHMW Polyethylene	100	5720-0240-100
CS-PSFIL205-DK-1000		1000	720-0240-1000
CS-PSFIL355-DK-100	35µm Cannula Filters, 1/16" (1.6mm) ID, UHMW Polyethylene	100	5720-0220-100
CS-PSFIL355-DK-1000		1000	5720-0220-1000
CS-PSFIL455-DK-100	45µm Cannula Filters, 1/16" (1.6mm) ID, UHMW Polyethylene	100	5720-0020-100
CS-PSFIL455-DK-1000		1000	5720-0020-1000
CS-PSFIL705-DK-100	70µm Cannula Filters, 1/16" (1.6mm) ID, UHMW Polyethylene	100	5720-0502
CS-PSFIL705-DK-1000		1000	5720-0503



Distek Cannula Filter

Filters

Electrolab Compatible Cannula Filters

Part No.	Description	Quantity	OEM Ref
CS-PSFIL001-EL-100	1µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL001-EL-1000		1000	-
CS-PSFIL004-EL-100	4µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL004-EL-1000		1000	-
CS-PSFIL010-EL-100	10µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL010-EL-1000		1000	-
CS-PSFIL020-EL-100	20µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL020-EL-1000		1000	-
CS-PSFIL035-EL-100	35µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL035-EL-1000		1000	-
CS-PSFIL045-EL-100	45µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL045-EL-1000		1000	-
CS-PSFIL070-EL-100	70µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL070-EL-1000		1000	-
CS-PSFILSSH-EL-006	Stainless Steel filter with holder	6	0103A00051



CS-PSFIL035-EL-100/1000.

Erweka Compatible Cannula Filters

Part No.	Description	Quantity	OEM Ref
CS-PSFIL001-EW-100	1µm Cannula Filters, UHMW Polyethylene	100	90-000-0013
CS-PSFIL001-EW-1000		1000	90-000-0013;18430
CS-PSFIL004-EW-100	4µm Cannula Filters, UHMW Polyethylene	100	90-000-0023
CS-PSFIL004-EW-1000		1000	90-000-0023;18431
CS-PSFIL010-EW-100	10µm Cannula Filters, UHMW Polyethylene	100	90-000-0033
CS-PSFIL010-EW-1000		1000	90-000-0033;18432
CS-PSFIL020-EW-100	20µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL020-EW-1000		1000	18433
CS-PSFIL035-EW-100	35µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL035-EW-1000		1000	-
CS-PSFIL040-EW-100	45µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL040-EW-1000		1000	-
CS-PSFIL070-EW-100	70µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL070-EW-1000		1000	-



Erweka Cannula Filter



Full Flow Filters

Part No.	Description	Quantity	OEM Ref
CS-PSFIL001-FF-100	1µm Cannula Filters, UHMW Polyethylene, Full Flow	100	-
CS-PSFIL001-FF-1000		1000	-
CS-PSFIL004-FF-100	4µm Cannula Filters, UHMW Polyethylene, Full Flow	100	-
CS-PSFIL004-FF-1000		1000	-
CS-PSFIL010-FF-100	Cannula Filter, 10 µm, UHMW Polyethylene, Full Flow	100	SFF-10M,
CS-PSFIL010-FF-1000		1000	400-105
CS-PSFIL020-FF-100	Cannula Filter, 20 µm, UHMW Polyethylene, Full Flow	100	400-111
CS-PSFIL020-FF-1000		1000	-
CS-PSFIL035-FF-100	Cannula Filter, 35 µm, UHMW Polyethylene, Full Flow	100	400-102
CS-PSFIL035-FF-1000		1000	-
CS-PSFIL045-FF-100	Cannula Filter, 45 µm, UHMW Polyethylene, Full Flow	100	SFF-45M
CS-PSFIL045-FF-1000		1000	-
CS-PSFIL070-FF-100	Cannula Filter, 70 µm, UHMW Polyethylene, Full Flow	100	400-107
CS-PSFIL070-FF-1000		1000	-



Full Flow Filter

Hanson Compatible Cannula Filters

Hanson Research dissolution baths normally use cannula style filters. The Hanson/Waters Dissolution/HPLC Interface uses a narrow bore (1/16" ID) filter instead of the normal cannula diameter. Both types are supplied, as listed below.

Part No.	Description	Quantity	OEM Ref
CS-PSFIL001-HR-100	1µm Cannula Filters, UHMW Polyethylene	100	27-101-087
CS-PSFIL001-HR-1000		1000	27-101-097
CS-PSFIL004-HR-100	4µm Cannula Filters, UHMW Polyethylene,	100	27-101-088
CS-PSFIL004-HR-1000		1000	27-101-098
CS-PSFIL010-HR-100	Cannula Filter, 10 µm, UHMW Polyethylene	100	27-101-074
CS-PSFIL010-HR-1000		1000	27-101-091
CS-PSFIL020-HR-100	Cannula Filter, 20 µm, UHMW Polyethylene	100	-
CS-PSFIL020-HR-1000		1000	-
CS-PSFIL035-HR-100	Cannula Filter, 35 µm, UHMW Polyethylene	100	27-101-085
CS-PSFIL035-HR-1000		1000	27-101-095
CS-PSFIL045-HR-100	Cannula Filter, 45 µm, UHMW Polyethylene	100	27-101-089
CS-PSFIL045-HR-1000		1000	-
CS-PSFIL070-HR-100	Cannula Filter, 70 µm, UHMW Polyethylene	100	27-101-082
CS-PSFIL070-HR-1000		1000	27-101-092



CS-PSFIL010-HR-100/1000



CS-PSFIL070-HR-100/1000



CS-PSFIL10S-HR-100/1000

CS-PSFIL10S-HR-100	10µm Cannula Filters, 1/16" (1.6mm) ID, UHMW Polyethylene	100	27-101-083
CS-PSFIL10S-HR-1000		1000	27-101-093
CS-PSFIL35S-HR-100	35µm Cannula Filters, 1/16" (1.6mm) ID, UHMW Polyethylene	100	27-101-086
CS-PSFIL35S-HR-1000		1000	27-101-096
CS-PSFIL45S-HR-100	45µm Cannula Filters, 1/16" (1.6mm) ID, UHMW Polyethylene	100	27-101-090
CS-PSFIL45S-HR-1000		1000	-
CS-PSFIL70S-HR-100	70µm Cannula Filters, 1/16" (1.6mm) ID, UHMW Polyethylene	100	27-101-084
CS-PSFIL70S-HR-1000		1000	27-101-094

Filters

Logan Compatible Cannula Filters

Part No.	Description	Quantity	OEM Ref
CS-PSFIL001-LG-100	1µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL001-LG-1000		1000	
CS-PSFIL010-LG-100	10µm Cannula Filters, UHMW Polyethylene	100	200-1010T
CS-PSFIL010-LG-1000		1000	
CS-PSFIL020-LG-100	20µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL020-LG-1000		1000	
CS-PSFIL035-LG-100	35µm Cannula Filters, UHMW Polyethylene	100	200-1035T
CS-PSFIL035-LG-1000		1000	
CS-PSFIL070-LG-100	70µm Cannula Filters, UHMW Polyethylene	100	200-1070T
CS-PSFIL070-LG-1000		1000	



CS-PSFIL070-01-100/1000

Pharmatest Compatible Cannula Filters

Part No.	Description	Quantity	OEM Ref
CS-PSFIL001-PT-100	1µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL001-PT-1000		1000	-
CS-PSFIL004-PT-100	4µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL004-PT-1000		1000	-
CS-PSFIL005-PT-100	5µm Cannula Filters, UHMW Polyethylene	100	31-63511-50
CS-PSFIL005-PT-1000		1000	-
CS-PSFIL010-PT-100	10µm Cannula Filters, UHMW Polyethylene	100	31-63211-50
CS-PSFIL010-PT-1000		1000	-
CS-PSFIL020-PT-100	20µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL020-PT-1000		1000	-
CS-PSFIL035-PT-100	35µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL035-PT-1000		1000	-
CS-PSFIL070-PT-100	70µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL070-PT-1000		1000	-



CS-PSFIL001-PT-100/1000

Sotax Compatible Cannula Filters

Sotax dissolution baths use a closed design. For manual and automatic sampling it is necessary to mount the sampling cannula through the drive head of the bath. This allows the use of cannula filters.

Part No.	Description	Quantity	OEM Ref
CS-PSFIL001-ST-100	1µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL001-ST-1000		1000	-
CS-PSFIL004-ST-100	4µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL004-ST-1000		1000	-
CS-PSFIL010-ST-100	10µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL010-ST-1000		1000	-
CS-PSFIL020-ST-100	20µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL020-ST-1000		1000	-
CS-PSFIL035-ST-100	35µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL035-ST-1000		1000	-
CS-PSFIL070-ST-100	70µm Cannula Filters, UHMW Polyethylene	100	-
CS-PSFIL070-ST-1000		1000	-



CS-PSFIL035-ST-100/1000

Syringe Filters



Filtration is achieved by pushing the sample through the membrane with a syringe or other luer-connection device.

Syringe filters allow you to control the rate of flow, which can be critical with delicate samples. Syringe filters also allow you to filter into nearly any tube, vial, or column.

Polysulfone membranes (PS) are all low protein binding, which makes them well suited for filtration of biological samples.

13 mm syringe filters

Part No.	Pore size (um)	Pack Size
CS-PSDSC-PS13-020-0150	0,2	150
CS-PSDSC-PS13-045-0150	0,45	150
CS-PSDSC-PS13-045-0150V	0,45	1500 – Value Pack

25 mm syringe filters

Part No.	Pore size (um)	Pack Size
CS-PSDSC-PS25-020-0150	0,2	150
CS-PSDSC-PS25-045-0150	0,45	150
CS-PSDSC-PS25-045-0150V	0,45	1500 – Value Pack



PTFE membrane (HP) in a PP housing can be used to filter solvents and strong acids. Although PTFE is inherently hydrophobic, it can be made hydrophilic by pre-wetting the membrane with methanol and the rinsing with water.

13 mm syringe filters

Part No.	Pore size (um)	Pack Size
CS-PSDSC-HP13-020-0150	0,2	150
CS-PSDSC-HP13-045-0150	0,45	150
CS-PSDSC-HP13-045-0150V	0,45	1500 – Value Pack

25 mm syringe filters

Part No.	Pore size (um)	Pack Size
CS-PSDSC-HP25-020-0150	0,2	150
CS-PSDSC-HP25-045-0150	0,45	150
CS-PSDSC-HP25-045-0150V	0,45	1500 – Value Pack



PTFE membrane (PB) filter units with hydrophobic Fluoropore membrane are ideal for sterilizing gases, venting sterile containers, and sterilizing or clarifying organic solutions.

13 mm syringe filters

Part No.	Pore size (um)	Pack Size
CS-PSDSC-PB13-020-0150	0,2	150
CS-PSDSC-PB13-045-0150	0,45	1500 – Value Pack

25 mm syringe filters

Part No.	Pore size (um)	Pack Size
CS-PSDSC-PB25-020-0150	0,2	150
CS-PSDSC-PB25-045-0150	0,45	1500 – Value Pack



Syringe Filters

Nylon membrane (NY) is ideal for filtration of chromatography samples. Polypropylene membranes exhibit near zero extractables, are very resistant to solvents and most chemicals and would be the first choice for filtration of chromatography samples.

13 mm syringe filters

Part No.	Pore size (um)	Pack Size
CS-PSDSC-NY13-020-0150	0,2	150
CS-PSDSC-NY13-045-0150	0,45	150
CS-PSDSC-NY13-045-0150V	0,45	1500 – Value Pack

25 mm syringe filters

Part No.	Pore size (um)	Pack Size
CS-PSDSC-NY25-020-0150	0,2	150
CS-PSDSC-NY25-045-0150	0,45	150
CS-PSDSC-NY25-045-0150V	0,45	1500 – Value Pack



Polypropylene Hydrophobic membrane (PP) has wide chemical compatibility with organic solvents. Low non-specific protein binding. Applications: Filtration of biological samples, filtration of aggressive organic solutions. Polypropylene membranes are slightly hydrophobic and versatile in use. They are attacked by few substances and are relatively inert (except for strong oxidizing agents). They are highly stable and can be used for both aqueous and organic media.

13 mm syringe filters

Part No.	Pore size (um)	Pack Size
CS-PSDSC-PP13-020-0150	0,2	150
CS-PSDSC-PP13-045-0150	0,45	150
CS-PSDSC-PP13-045-0150V	0,45	1500 – Value Pack

25 mm syringe filters

Part No.	Pore size (um)	Pack Size
CS-PSDSC-PP25-020-0150	0,2	150
CS-PSDSC-PP25-045-0150	0,45	150
CS-PSDSC-PP25-045-0150V	0,45	1500 – Value Pack



Cellulose acetate (CA) membrane are extremely low binding. Because of their unique strength and extremely low binding characteristics, cellulose acetate filters are ideal for protein and enzyme filtrations, tissue culture media sterilization, cold sterilization and biological fluid filtration.

13 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-CA13-020-0150	0,2	150
PSDSC-CA13-045-0150	0,45	150
PSDSC-CA13-045-0150V	0,45	1500 – Value Pack

25 mm syringe filters

Part No.	Pore size (um)	Pack Size
CS-PSDSC-CA25-020-0150	0,2	150
CS-PSDSC-CA25-045-0150	0,45	150
CS-PSDSC-CA25-045-0150V	0,45	1500 – Value Pack





PVDF (PV) membrane with good solvent resistance. Low UV absorbing extractables and low non-specific binding. Applications: General biological filtration, filtration of samples where high protein recovery is desired. Polyvinylidene fluoride membranes are used for general biological filtration and in cases where high protein recovery is desired. It has slight hydrophilic properties and can be used for clear filtration and sterilization of aqueous solutions.

13 mm syringe filters

Part No.	Pore size (um)	Pack Size
CS-PSDSC-PV13-020-0150	0,2	150
CS-PSDSC-PV13-045-0150	0,45	150
CS-PSDSC-PV13-045-0150V	0,45	1500 – Value Pack

25 mm syringe filters

Part No.	Pore size (um)	Pack Size
CS-PSDSC-PV25-020-0150	0,2	150
CS-PSDSC-PV25-045-0150	0,45	150
CS-PSDSC-PV25-045-0150V	0,45	1500 – Value Pack



33 mm syringe filters

Part No.	Pore size (um)	Pack Size
CS-PSDSC-PV33-020-0150	0,2	150
CS-PSDSC-PV33-045-0150	0,45	150

Glass Fiber (GF) membrane has a Larger Porosity; able to remove large particulates without clogging.

Applications: Primarily used as a pre-filter in conjunction with another membrane. Can be paired with most membranes - but typically with RC, CA, Nylon and PVDF. Glass Fiber membranes are used for preliminary filtration or filtration of media that is difficult to filter. The three dimensional filter surface provides much greater intake capacity for contaminating particles than two-dimensional membranes provide. Glass Fiber is inert to solvents, acids and bases.

13 mm syringe filters

Part No.	Pore size (um)	Pack Size
CS-PSDSC-GF13-020-0150	0,2	150
CS-PSDSC-GF13-045-0150	0,45	150
CS-PSDSC-GF13-045-0150V	0,45	1500 – Value Pack

25 mm syringe filters

Part No.	Pore size (um)	Pack Size
CS-PSDSC-GF25-020-0150	0,2	150
CS-PSDSC-GF25-045-0150	0,45	150
CS-PSDSC-GF25-045-0150V	0,45	1500 – Value Pack
PSDSC-GF25-100-0150	1	150



Syringe Filters

Regenerated Cellulose (RC) membrane are optimal for filtering organic solvents because of their strong chemical resistance. Regenerated cellulose material is also applicable for organic and aqueous media. Regenerated Cellulose is a pure cellulose which has been treated in a chemical bath for better chemical resistance. Regenerated Cellulose has a lower molecular weight and the structure is not as orderly as it is for other cellulose.

13 mm syringe filters

Part No.	Pore size (um)	Pack Size
CS-PSDSC-RC13-020-0150	0,2	150
CS-PSDSC-RC13-045-0150	0,45	150
CS-PSDSC-RC13-045-0150V	0,45	1500 – Value Pack

25 mm syringe filters

Part No.	Pore size (um)	Pack Size
CS-PSDSC-RC25-020-0150	0,2	150
CS-PSDSC-RC25-045-0150	0,45	150
CS-PSDSC-RC25-045-0150V	0,45	1500 – Value Pack



Polyester (PT) membrane

13 mm syringe filters

Part No.	Pore size (um)	Pack Size
CS-PSDSC-PT13-020-0150	0,2	150
CS-PSDSC-PT13-045-0150	0,45	150
CS-PSDSC-PT13-045-0150V	0,45	1500 – Value Pack

25 mm syringe filters

Part No.	Pore size (um)	Pack Size
CS-PSDSC-PT25-020-0150	0,2	150
CS-PSDSC-PT25-045-0150	0,45	150
CS-PSDSC-PT25-045-0150V	0,45	1500 – Value Pack



8-Channel Filter Plates suited for the Agilent 850-DS, a disposable filter plate in various membrane materials.

Part No.	Material	Pore size (um)	Pack Size
CS-PSFPL-NY25-045-050	Nylon filter Membrane	0,45µm	pk/50
CS-PSFPL-HP25-045-050	PTFE filter Membrane	0,45µm	pk/50
CS-PSFPL-GF25-070-050	Glass Fiber filter Membrane	0,70µm	pk/50



Automation Syringe Filters



Dissolution Equipment Accessories automation filters meet the stringent requirements for automated dispensing, robotic handling, and fit and operate in many OEM systems. DA Syringe filters are fully compatible for use with SOTAX and Zymark automated workstations, Teledyne Hanson Research Autofilter as well as the Filter Changers from Erweka and Agilent. Our syringe filters facilitate smooth operation and worry-free performance 24 hours a day.

Dissolution Equipment Accessories 25mm OD automation filters are standard available in pore sizes of 0.45µm or 0.20µm in the following membranes; Nylon, PVDF, PTFE, M.E. Cellulose, PP, Regenerated Cellulose, Cellulose Acetate Nitrocellulose and Polyethersulfone. For the Glass Microfibre, the pore size is 1.0µm.

Advantages

- No Filter squeezing due to specially design support, thick walls and “Dome” shaped housing.
- Smooth Filter-to-Filter Release so no Filter Sticking.
- Consistent Filter dimensions for smooth operation in automated equipment.



Unique traceability

Every syringe filter has a printed lot number, the membrane material and the pore size printed on the edge of the filter. Every filter will be supplied with a Certificate of Analysis.

Part No.	Material	Pore Size (um)	Pack Size
CS-PSASC-GF25-100-1000	Glass Fiber	1,0um	1000
CS-PSASC-GF25-200-1000	Glass Fiber	2,0um	1000
CS-PSASC-GF25-500-1000	Glass Fiber	5,0um	1000
CS-PSASC-NY25-045-1000	Nylon	0,45 um	1000
CS-PSASC-NY25P1-045-1000	Nylon, GF pre-filter 1,0mm	0,45 um	1000
CS-PSASC-NY25-020-1000	Nylon	0,2 um	1000
CS-PSASC-NY25P1-020-1000	Nylon, GF pre-filter 1,0mm	0,2 um	1000
CS-PSASC-PF25-045-1000	PTFE	0,45 um	1000
CS-PSASC-PF25P1-045-1000	PTFE, GF pre-filter 1,0mm	0,45 um	1000
CS-PSASC-PF25-020-1000	PTFE	0,2 um	1000
CS-PSASC-PF25P1-020-1000	PTFE, GF pre-filter 1,0mm	0,2 um	1000
CS-PSASC-MC25-045-1000	M.E. Cellulose	0,45 um	1000
CS-PSASC-MC25P1-045-1000	M.E. Cellulose, GF pre-filter 1,0mm	0,45 um	1000
CS-PSASC-MC25-020-1000	M.E. Cellulose	0,2 um	1000
CS-PSASC-MC25P1-020-1000	M.E. Cellulose, GF pre-filter 1,0mm	0,2 um	1000
CS-PSASC-PV25-045-1000	PVDF	0,45 um	1000
CS-PSASC-PV25P1-045-1000	PVDF, GF pre-filter 1,0mm	0,45 um	1000
CS-PSASC-PV25-020-1000	PVDF	0,2 um	1000
CS-PSASC-PV25P1-020-1000	PVDF, GF pre-filter 1,0mm	0,2 um	1000

Automation Syringe Filters



Part No.	Description	Pore Size (um)	Pack Size
CS-PSASC-PP25-045-1000	Hydrophile Polypropylene, GF pre-filter 1,0mm	0,45 um	1000
CS-PSASC-PP25P1-045-1000	Hydrophile Polypropylene, GF pre-filter 1,0mm	0,45 um	1000
CS-PSASC-PP25-020-1000	Hydrophile Polypropylene, GF pre-filter 1,0mm	0,2 um	1000
CS-PSASC-PP25P1-020-1000	Hydrophile Polypropylene, GF pre-filter 1,0mm	0,2 um	1000
CS-PSASC-PS25-045-1000	Polyethersulfone, GF pre-filter 1,0mm	0,45 um	1000
CS-PSASC-PS25P1-045-1000	Polyethersulfone, GF pre-filter 1,0mm	0,45 um	1000
CS-PSASC-PS25-020-1000	Polyethersulfone, GF pre-filter 1,0mm	0,2 um	1000
CS-PSASC-PS25P1-020-1000	Polyethersulfone, GF pre-filter 1,0mm	0,2 um	1000
CS-PSASC-CA25-045-1000	Cellulose Acetate	0,45 um	1000
CS-PSASC-CA25P1-045-1000	Cellulose Acetate, GF pre-filter 1,0mm	0,45 um	1000
CS-PSASC-CA25-020-1000	Cellulose Acetate	0,2 um	1000
CS-PSASC-CA25P1-020-1000	Cellulose Acetate, GF pre-filter 1,0mm	0,2 um	1000
CS-PSASC-RC25-045-1000	Regenerated Cellulose	0,45 um	1000
CS-PSASC-RC25P1-045-1000	Regenerated Cellulose, GF pre-filter 1,0mm	0,45 um	1000
CS-PSASC-RC25-020-1000	Regenerated Cellulose	0,2 um	1000
CS-PSASC-RC25P1-020-1000	Regenerated Cellulose, GF pre-filter 1,0mm	0,2 um	1000
CS-PSASC-NY25-045-1000	Nylon, Low extractables	0,45 um	1000
CS-PSASC-NY25P1-045-1000	Nylon, Low extractables	0,45 um	1000
CS-PSASC-NY25-020-1000	Nylon, Low extractables	0,2 um	1000
CS-PSASC-NY25P1-020-1000	Nylon, Low extractables	0,2 um	1000

Sampling Cannula



Agilent Compatible Sampling Cannula

Part No.	Description	OEM Ref
CS-PSCAN475-01	4.75" (120mm) bent S.S. cannula with luer adapter, for 900ml sampling, 0.083" (2.1mm) OD	12-3200
CS-PSCAN775-01	7.75" (195mm) bent S.S. cannula with luer adapter, for 500ml sampling, 0.083" (2.1mm) OD	12-3210
CS-PSCA8475-VK	4.75" (120mm) bent S.S. cannula with luer adapter, for 900ml sampling, 1/8" (3.2mm) OD	-
CS-PSCA8775-VK	7.75" (195mm) bent S.S. cannula with luer adapter, for 500ml sampling, 1/8" (3.2mm) OD	-
CS-PSCA8015-VK	15" (380mm) bent S.S. cannula with luer adapter, through head mount, 1/8" (3.2mm) OD	-
CS-PSCA8475-PV	4.75" (120mm) bent PEEK cannula with luer adapter, for 900ml sampling, 1/8" (3.2mm) OD	-
CS-PSCA8775-PV	7.75" (195mm) bent PEEK cannula with luer adapter, for 500ml sampling, 1/8" (3.2mm) OD	-
CS-PSCA8015-PV	15" (380mm) bent PEEK cannula with luer adapter, through head mount, 1/8" (3.2mm) OD	-

CS-PSCANRET-25	2.5" (65mm) Autosampling Return Cannula	17-3320
CS-PSCAN900-45	4.5" (115mm) Autosampling Cannula	17-3300
CS-PSCAN500-60	6.5" (165mm) Autosampling Cannula	17-3305
CS-PSPROBEX-VK	500ml Cannula Extension Kit	17-3306

CS-PSCANSTP-078-31	Standard Self-Tightening Cannula Stopper for Covers	-
CS-PSCANSTP-142-31	1/8" (3.2mm) OD Self-Tightening Cannula Stopper for Covers	-



CS-PSPROBEX-VK



CS-PSCANSTP-078-31



CS-PSCANSTP-142-31



CS-PSCAN475-01

CS-PSCANRET-25

CS-PSCAN900-45

CS-PSCAN500-60

CS-PSCA8475-VK

CS-PSCA8775-VK

CS-PSCA8015-VK

CS-PSCA8475-PV

CS-PSCA8775-PV

CS-PSCA8015-PV

Sampling Cannula

Caleva Compatible Sampling Cannula

Part No.	Description	OEM Ref
CS-PSCAN475-SC	120mm (4.75") Bent Stainless Steel Cannula with Luer Adapter, for 900ml Manual Sampling	-
CS-PSCAN775-SC	195mm (7.75") Bent Stainless Steel Cannula with Luer Adapter, for 500ml Manual Sampling	-
CS-PSCAN475-PC	120mm (4.75") Bent PEEK Cannula with Luer Adapter, for 900ml Manual Sampling	-
CS-PSCAN775-PC	195mm (7.75") Bent PEEK Cannula with Luer Adapter, for 500ml Manual Sampling	-
CS-PSCANSTP-CA	Adjustable Cannula Stopper	-

CS-PSCAN775-SC

CS-PSCAN475-SC

CS-PSCAN775-PC

CS-PSCAN475-PC



Distek Compatible Sampling Cannula

Part No.	Description	OEM Ref
CS-PSCAN500-DK	500ml Sampling Probe	2910-0500
CS-PSCAN900-DK	900ml Sampling Probe	2910-0900
CS-PSCAN500-DSV	500ml Sampling Probe, Solid Housing	-
CS-PSCAN900-DSV	900ml Sampling Probe, Solid Housing	-
CS-PSCAN01K-DK	1000ml Sampling Probe	2910-1000
CS-PSCAN5PK-DK16	500ml PEEK Sampling Probe, 1/16" (1.6mm) OD	-
CS-PSCAN9PK-DK8	900ml PEEK Sampling Probe, 1/8" (3.2mm) OD	-
CS-PSCAN9PK-DSV	900ml PEEK Sampling Probe, 1/16" (3.2mm) OD, Solid Housing	-
CS-PSCANRET-DK	Return Probe	2910-0001
CS-PSCANSTP-065-53	Distek/Hanson 1/16" (1.6mm) Self-Tightening Cannula Stopper for Distek Covers	-
CS-PSFILASY-DK	Inline Filter Housing Assembly for Distek Style Filters	-
CS-PSLE87-6	Male Luer to Female Luer, Thread Style Elbow	5720-9074
CS-PSSFTL-6	Female Luer Lug Style with 5/16" Hex to 1/4-28 UNF Thread	5720-9059
CS-PSSMTLL-6	Male Luer Integral Lock Ring to 1/4-28 UNF Thread, pk/10	5720-9060

CS-PSCAN500-DK

CS-PSCAN01K-DK



CS-PSCAN900-DK



CS-PSCANRET-DK

CS-PSCANSTP-065-53

CS-PSFILASY-DK

CS-PSLE87-6

CS-PSSFTL-6

CS-PSSMTLL-6

Filters for all Cannula - See pages 41-46



Sampling Cannula



ElectroLab Compatible Sampling Cannula

Part No.	Description	OEM Ref
CS-PSCAN475-EL	120mm (4.75") Bent Stainless Steel Cannula with Luer Adapter, for 900ml Manual Sampling	-
CS-PSCAN775-EL	195mm (7.75") Bent Stainless Steel Cannula with Luer Adapter, for 500ml Manual Sampling	-
CS-PSCAN475-PE	120mm (4.75") Bent PEEK Cannula with Luer Adapter, for 900ml Manual Sampling	-
CS-PSCAN775-PE	195mm (7.75") Bent PEEK Cannula with Luer Adapter, for 500ml Manual Sampling	-



CS-PSCAN475-PH

CS-PSCAN775-PH

CS-PSCAN015-PH

Erweka Compatible Sampling Cannula

Part No.	Description	OEM Ref
CS-PSCAN475-SH	120mm (4.75") Bent Stainless Steel Cannula with Luer Adapter, for 900ml Manual Sampling	-
CS-PSCAN775-SH	195mm (7.75") Bent Stainless Steel Cannula with Luer Adapter, for 500ml Manual Sampling	-
CS-PSCAN015-SH	380mm (15") Bent Stainless Steel Cannula with Luer Adapter, Through Head Mount	-
CS-PSCAN475-PH	120mm (4.75") Bent PEEK Cannula with Luer Adapter, for 900ml Manual Sampling	-
CS-PSCAN775-PH	195mm (7.75") Bent PEEK Cannula with Luer Adapter, for 500ml Manual Sampling	-
CS-PSCAN012-EW	310mm Bent Stainless Steel Cannula with Luer Adapter for Low head systems	-
CS-PSCAN015-PH	380mm (15") Bent PEEK Cannula with Luer Adapter, Through Head Mount	-
CS-PSCANSTP-EW	Adjustable Cannula Stopper	-



CS-PSCAN475-SH

CS-PSCAN775-SH

CS-PSCAN015-SH

Sampling Cannula

Hanson Compatible Sampling Cannula

Part No.	Description	OEM Ref
CS-PSCAN475-HR	4.75" (120mm) Bent Stainless Steel Cannula with Luer Adapter and Permanent Tip	-
CS-PSCAN775-HR	7.75" (195mm) Bent Stainless Steel Cannula with Luer Adapter and Permanent Tip	-
CS-PSCAN015-HR	15" (380mm) Bent Stainless Steel Cannula, 1/8" (3.2mm) OD, 0.085" (2.2mm) ID	72-300-304
CS-PSCAN475-SH	4.75" (120mm) Bent Stainless Steel Cannula with Luer Adapter, for 900ml Manual Sampling, 1/8" (3.2mm) OD	95-590-002
CS-PSCAN775-SH	7.75" (195mm) Bent Stainless Steel Cannula with Luer Adapter, for 500ml Manual Sampling, 1/8" (3.2mm) OD	95-590-001
CS-PSCAN015-SH	15" (380mm) Bent Stainless Steel Cannula with Luer Adapter, Through Head Mount, 1/8" (3.2mm) OD	95-590-003
CS-PSCAN515-SH	15" (380mm) Straight Stainless Steel Cannula with Luer Adapter, Through Head Mount, 1/8" (3.2mm) OD	-
CS-PSCAN475-PH	4.75" (120mm) Bent PEEK Cannula with Luer Adapter, for 900ml Manual Sampling, 1/8" (3.2mm) OD	95-590-005
CS-PSCAN775-PH	7.75" (195mm) Bent PEEK Cannula with Luer Adapter, for 500ml Manual Sampling, 1/8" (3.2mm) OD	95-590-004
CS-PSCAN015-PH	15" (380mm) Bent PEEK Cannula with Luer Adapter, Through Head Mount, 1/8" (3.2mm) OD	95-590-006
CS-PSCAN515-PH	15" (380mm) Straight PEEK Cannula with Luer Adapter, 1/8" (3.2mm) OD	-

CS-PSCANSTP-065-53	Distek/Hanson 1/16" (1.6mm) Self-Tightening Cannula Stopper for Distek Covers	-
CS-PSCANSTP-125-31	Hanson 1/8" (3.2mm) OD Self-Tightening Cannula Stopper for VanKel Covers	-
CS-PSCANSTP-125-53	Hanson 1/8" (3.2mm) OD Self-Tightening Cannula Stopper	-
CS-PSTUMSCR-HR	Adjustable Cannula Stopper (for use with all 15" (380mm) Cannula)	-

Hanson Compatible Sampling Cannula Vision

Part No.	Description	OEM Ref
CS-PSCAN500-DVHR	Fixed Vessel- Mount, 500 mL, 1/16 in., 316 SS, uses Cartridge Filters type "01"	74-104-202
CS-PSCAN900-DVHR	Fixed Vessel- Mount, 900 mL, 1/16 in., 316 SS, uses Cartridge Filters type "01"	74-104-204
CS-PSTEFTUB16-HR6	Tubing Harness, PTFE, 3 ft, 6-Sample, 1/16 in.	60-200-706
CS-PSTEFTUB16-HR8	Tubing Harness, PTFE, 3 ft, 8-Sample, 1/16 in.	60-200-708
CS-PSCANSTP-775-SH	Fixed Vessel-Mount, Adjustable cannula with stopper, 1/16 in., 500 & 900 mL, SS	74-104-216/218
CS-PSCANSTP-775-PH	Cannula, Manual Sampling, Adjustable, 1/8 in., PEEK, manual sampling, 500 & 900ml	74-104-201
CS-PSCANSTP-015-PH	Cannula, Manual Sampling, Adjustable, 1/8 in., PEEK, manual sampling, 2L	74-105-360





Pharmatest Compatible Sampling Cannula

Part No.	Description	OEM Ref
CS-PSCAN475-SP	120mm (4.75") Bent Stainless Steel Cannula with Luer Adapter, for 900ml Manual Sampling	-
CS-PSCAN775-SP	195mm (7.75") Bent Stainless Steel Cannula with Luer Adapter, for 500ml Manual Sampling	-
CS-PSCAN475-PP	120mm (4.75") Bent PEEK Cannula with Luer Adapter, for 900ml Manual Sampling	-
CS-PSCAN775-PP	195mm (7.75") Bent PEEK Cannula with Luer Adapter, for 500ml Manual Sampling	-
CS-PSCANSTP-PT	Adjustable Cannula Stopper	-



Sotax Compatible Sampling Cannula

Part No.	Description	OEM Ref
CS-PSCAN013-ST	330mm (13") Bent Stainless Steel Cannula with Luer Adapter, Through Head Mount	-
CS-PSCAN013-ST-5	330mm (13") Stainless Steel Cannula, Including Stopper and Sleeve, for 500ml Sampling	-
CS-PSCAN013-ST-9	330mm (13") Stainless Steel Cannula, Including Stopper and Sleeve, for 900ml Sampling	-
CS-PSPRBFSR-ST	Combined Sample/Return Cannula with Filter Housing	-
CS-PSPRBNSR-ST	Combined Sample/Return Cannula without Filter Housing	-
CS-PSPRBFSR-5S	500ml Sample/Return Probe Fixed with Filter Housing, Stopper & Up/Down Collars	-
CS-PSPRBFSR-9S	900ml Sample/Return Probe Fixed with Filter Housing, Stopper & Up/Down Collars	-
CS-PSCANSTP-ST	Adjustable Cannula Stopper (for use with PSCAN013-ST)	-
CS-PSCADSTP-ST	Validation Stopper (two holes for manual and auto Cannula)	-

CS-PSPRBFSR-ST CS-PSPRBFSR-5S



CS-PSPRBNSR-ST CS-PSPRBFSR-9S



Sampling Cannula



Hi-Cap High Capacity Sampling Cannula

Increased capacity for most brands of dissolution bath

Available for 500ml, 900ml and 1000ml tests, this new style sampling probe has an inert twist-lock housing which safely contains a standard VanKel cannula filter. This means that the same cannula filters can be used for different dissolution baths, offering increased flexibility.

The surface area of the Agilent cannula filter is greater than 7 times that of the small filter disc that is traditionally used in this style of sample probe.

The Hi-Cap's thin low-volume stainless steel cannula can remain in the vessel throughout the dissolution test without affecting the dissolution result, removing the need for an automated probe lift. The cannula simply sits in the vessel cover and samples from the same position every time.

Part No.	Description	OEM Ref
CS-PSCAN500-DV	Hi-Cap High capacity sampling cannula for most dissolution baths, 500ml	-
CS-PSCAN900-DV	Hi-Cap High capacity sampling cannula for most dissolution baths, 900ml	-
CS-PSCAN01K-DV	Hi-Cap High capacity sampling cannula for most dissolution baths, 1000ml	-

Agilent Compatible Cannula Filters (See page 32)

Part No.	Description	Quantity	OEM Ref
CS-PSFIL010-01-100	10µm Cannula Filters, UHMW	100	17-4000
CS-PSFIL010-01-1000	Polyethylene	1000	17-4005
CS-PSFIL020-01-100	20µm Cannula Filters, UHMW	100	-
CS-PSFIL020-01-1000	Polyethylene	1000	-
CS-PSFIL035-01-100	35µm Cannula Filters, UHMW	100	17-4010
CS-PSFIL035-01-1000	Polyethylene	1000	17-4015
CS-PSFIL045-01-100	45µm Cannula Filters, UHMW	100	-
CS-PSFIL045-01-1000	Polyethylene	1000	-
CS-PSFIL070-01-100	70µm Cannula Filters, UHMW	100	17-4020
CS-PSFIL070-01-1000	Polyethylene	1000	17-4025



CS-PSCAN01K-DV

Topical and Transdermal Drug Testing



Paddle over Disk

Part No.	Description	OEM Ref
CS-PSAPPFIVE-HR	Transdermal patch holder USP5	65-190-092
CS-PSAPPFIVE-HRCLIP	Plastic Clip for PSAPPFIVE-HR (each)	65-190-205
CS-PSAPPFIVE-HRSCR	17 Mesh PTFE Screen for PSAPPFIVE-HR	65-190-190

CS-PSAPPFIVE-V35-040	Transdermal Patch Holder, 1.38" (35mm) Opening (40 Mesh Screen)	12-4200
CS-PSAPPFIVE-V56	Transdermal Patch Holder, 2.20" (56mm) Opening (120 Mesh Screen)	12-4230
CS-PSAPPFIVE-V80	Transdermal Patch Holder, 3.15" (80mm) Opening (16 x 16 Mesh Screen)	-
CS-PSTD400017	Transdermal Patch Holder (35mm) Opening (125 Mesh Screen)	Generic
CS-PSAPP5S16-35	16 Mesh 316 Stainless Steel Screen for PSAPPFIVE-V35 (pack of 25)	-
CS-PSAPP5S20-35	20 Mesh 316 Stainless Steel Screen for PSAPPFIVE-V35 (pack of 25)	-
CS-PSAPP5S30-35	30 Mesh 316 Stainless Steel Screen for PSAPPFIVE-V35 (pack of 25)	-
CS-PSAPP5S40-35	40 Mesh 316 Stainless Steel Screen for PSAPPFIVE-V35 (pack of 25)	12-4210
CS-PSAPP5S120-56	120 Mesh 316 Stainless Steel Screen for PSAPPFIVE-V56 (pack of 25)	12-4231
CS-PSAPP5S125-35	125 Mesh 316 Stainless Steel Screen for PSTD40017 (pack of 25)	-
CS-PSCUP03002	Cuprophane 500x500mm, pk/10	Generic



CS-PSAPPFIVE-HR



CS-PSAPPFIVE-V35



CS-PSAPPFIVE-V56



CS-PSAPPFIVE-V80



CS-PSSUSCUP-178 + weighted holder



CS-PSSUSCUP-208

PTFE Suspension Cups

For suspensions, the PTFE suspension cup is a weighted holder with a hemispheric bottom designed to sit at the bottom of a standard 1L vessel to control the exposed surface area. The suspension is weighed in the center cup prior to analysis in order to correlate the release rate.

Part No.	Description	OEM Ref
CS-PSSUSCUP-WH	Weighted holder, 5.72 cm OD, 0.52 cm ID	12-4050
CS-PSSUSCUP-178	Insert cup, 17.5x8.2 mm, use with p/n PSSUSCUP-WH	12-4055
CS-PSSUSCUP-208	Insert cup, 20x8.2 mm, use with p/n PSSUSCUP-WH	12-4060

Polysulfone Membranes for Transdermal Testing

Part No.	Description	OEM Ref
PSMDCPS25-045-0100	Membrane filter, 0.45µm, ø25mm, Hydrophobic Polysulfone, pk/100	-
PSMDCPS30-045-0100	Membrane filter, 0.45µm, ø30mm, Hydrophobic Polysulfone, pk/100	-
PSMDCPS47-045-0100	Membrane filter, 0.45µm, ø55mm, Hydrophobic Polysulfone, pk/100	-

Enhancer Cell

An Alternative to the Vertical Diffusion or Franz Cell for testing semisolids, the Enhancer or immersion Cell is used with a special 200ml flat bottomed vessel with mini paddle.

The PTFE immersion cell is designed to accommodate a 25 mm diameter membrane.

It comprises four main parts:

- A retaining which secures the membrane to the cell body and ensures full contact with the samples.
- A washer which holds the membrane in contact with the sample and provides a leak-proof seal between the membrane, retaining ring and cell body.
- The membrane or skin and Adjustment plate - allows control of the volume of the reservoir within the cell body. This threaded part can be placed at the appropriate height of each test and can be completely removed for easy cleaning. A Viton O-ring prevents leakage.
- The cell body which contains the compartment in which the sample (semisolid, solution, suspension or emulsion) to be tested is placed.
- The cell is provided with an alignment tool and an adjustment tool that allows the user to vary the volume of the reservoir within the cell.

Part No.	Description	OEM Ref
CS-PSENHANC-040	Enhancer Cell, 4 cm ² surface area membrane	12-4000
CS-PSENHANC-020	Enhancer Cell, 2 cm ² surface area membrane	12-4001
CS-PSENHANC-005	Enhancer Cell, 0.5 cm ² surface area membrane	12-4002
CS-PSENHANC-TOL	Adjustment tool, for all Enhancer Cell sizes	12-4015
CS-PSENHANC-A40	Alignment tool, for 4 cm ² Enhancer Cell	12-4010
CS-PSENHANC-A20	Alignment tool, for 2 cm ² Enhancer Cell	12-4011
CS-PSENHANC-A05	Alignment tool, for 0,5 cm ² Enhancer Cell	12-4012



CS-PSENHANC-040



CS-PSENHANC-020



CS-PSENHANC-005



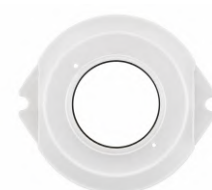
CS-PSENHANC-TOL



CS-PSSMVASSY-TC



CS-PSGLA200F-TA



CSPSSMVASSY-TA

Agilent Compatible for 7000, 7010, 7020 and 7025 Systems

Part No.	Description	OEM Ref
CS-PSGLA200F-VK	200ml Clear glass vessel, flat bottom	-
CS-PSCOVERV-LL200	Low evaporation cover with Cannula Hole	-
CS-PSSMVASSY-TC	Small Volume Magnet. Adapter Vessel	-
CS-PSMINEPD-01	Spin on/off mini paddle, 316S.S	12-1443; 13-3608

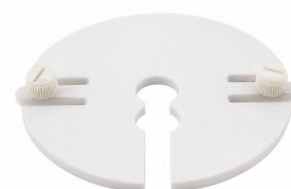
Agilent Compatible for 708-DS Systems

Part No.	Description	OEM Ref
CS-PSGLA200F-TA	200ml Clear glass vessel, flat bottom	12-5170
CS-PSCOVERV-LL200	Low evaporation cover with Cannula Hole	-
CS-PSSMVASSY-TA	Small Volume Vessel Conversion Adapter	12-6268
CS-PSMINEPD-01	Spin on/off mini paddle, 316S.S.	12-1443; 13-3608



Agilent Compatible for 705-DS, 7000 and 7010 Systems

Part No.	Description	OEM Ref
CS-PSGLA200F-01	200ml Clear glass vessel, flat bottom	12-5055
CS-PSSMVCOV-VK	Low evaporation cover with Cannula Hole	-
CS-PSSMVASSY-VK	Small Volume Vessel Conversion Adapter, incl. cover	-
CS-PSMINEPD019-01	Spin on/off mini paddle, 316S.S.	12-1443; 13-3608



CS-PSSMVCOV-VK



CS-PSSMVASSY-VK



CS-PSMINEPD-01

Distek Compatible for 2100, 2500 and Evolution 6300 Systems

Part No.	Description	OEM Ref
CS-PSGLA200F-DK	200ml Clear glass vessel, flat bottom	3010-0099
CS-PSSMVCOV-DK	Low evaporation cover with Cannula Hole	-
CS-PSSMVASSY-DK	Small Volume Vessel Conversion Adapter, incl. cover	2800-0602
CS-PSMINBLD-DK	Spin on/off mini paddle, 316S.S.	3200-0185



CS-PSSMVCOV-DK



CS-PSSMVCOV-DK

Erweka Compatible DT126, DT720, DT820, DT1410 and DT1610 Systems

Part No.	Description	OEM Ref
CS-PSGLA200F-EW	200ml Clear glass vessel, flat bottom	21612
CS-PSSMVASSY-EW	Small Volume Vessel Conversion Adapter	-
CS-PSCOVERV-LL200	Low evaporation cover with Cannula Hole	-
CS-PSMINEPD-EWLH	Spin on/off mini paddle, 316S.S., LH	-
CS-PSMINEPD-EWHH	Spin on/off mini paddle, 316S.S., HH	-

Hanson Research Compatible for SR6, SR8-Plus Systems

Part No.	Description	OEM Ref
CS-PSGLA150F-HR	150ml Clear glass vessel, flat bottom	72-600-572; 74-105-152
CS-PSCOVERH-LL200	Low evaporation cover with Cannula Hole	-
CS-PSSMVASSY-HR	Small Volume Vessel Conversion Adapter	72-800-714
CS-PSMINEPD-HR	Spin on/off mini paddle, 316S.S.	74-105-204



CS-PSSMVASSY-HR

Part No.	Description	OEM Ref
CS-PSGLA150F-HR	150ml Clear glass vessel, flat bottom	72-600-572; 74-105-152
CS-PSCOVERH-LL200	Low evaporation cover with Cannula Hole	-
CS-PSSMVASSY-HRV	Small Volume Vessel Easi-Lock Adapter	74-105-155
CS-PSMINEPD-HR	Spin on/off mini paddle, 316S.S.	74-105-203



CS-PSGLA150F-HR



CS-PSSMVASSY-HRV

Immersion Cell for Ointments

The test is the same as standard dissolution testing, with the exception of using a small (mini) paddle and vessel, with the immersion cell inside the vessel. The ointment is sealed in a delivery chamber where it can only move into the solution through a membrane.

Part No.	Description	OEM Ref
CS-PSIMMERC-UN	Immersion Cell only, 15 mm	65-190-043
CS-PSIMMERC-UNT	Immersion Cell with tools, 15 mm	65-190-051
CS-PSMSDCPS25-045-0100	Membrane filter, 0.45µm, ø25mm, Hydrophobic Polysulfone, pk/100	-



CS-PSMINEPD-HR



CS-PSIMMERC-UN

Extraction cell acc. to EP 2.9.4. chapter 3

The cell holds the patch flat, with the release surface uppermost and parallel to the bottom of the paddle blade. A distance of 25 ± 2 mm is maintained between the paddle blade and the surface of the patch. The temperature is maintained at 32 ± 0.5 °C. The vessel may be covered during the test to minimise evaporation.

Part No.	Description	OEM Ref
CS-PSEXCELL-27	Extraction Cell, 27mm, 1,48ml	18421
CS-PSEXCELL-38	Extraction Cell, 38mm, 2,94ml	22252
CS-PSEXCELL-45	Extraction Cell, 45mm, 4,13ml	22253
CS-PSEXCELL-52	Extraction Cell, 52mm, 5,52ml	22254



CS-PSEXCELL-27



CS-PSEXCELL-38



CS-PSEXCELL-45



CS-PSEXCELL-52

Topical and Transdermal Drug Testing



Erweka Rotating Cylinder

Part No.	Description	OEM Ref
CS-PSAPPSIX-EW01	Rotating Cylinder S.S., UniShaft, short version, to screw to Shaft	81-000-9000; 22408
CS-PSAPPSIX-EW01L	Rotating Cylinder S.S., UniShaft, long version, to screw to Shaft	81-000-9010; 22409
CS-PSAPPSIX-EW02	Rotating Cylinder S.S., MagniShaft short version, with Shaft for Low-Head use	- 84-000-9000
CS-PSAPPSIX-EW02L	Rotating Cylinder S.S., MagniShaft long version, with Shaft for Low-Head use	- 84-000-9010



Rotating Cylinder viewed from below

Agilent Rotating Cylinder

Part No.	Description	OEM Ref
CS-PSAPPSIX-01	Rotating Cylinder for Transdermal Patches, 316S.S.	12-1360
CS-PSAPPSIX-01L	Long version Rotating Cylinder	-



CS-PSAPPSIX-01



CS-PSAPPSIX-01L



CS-PSSPNAP6-HR



CS-PSAPPSIX-01

Hanson Rotating Cylinder

Part No.	Description	OEM Ref
CS-PSAPPSIX-HR	Rotating Cylinder for Transdermal Patches, 316S.S.	65-590-011
CS-PSAPPSIX-HR	Long version Rotating Cylinder	-
CS-PSSPNAPP6-HRV	Spin ON/OFF USP APP 6 Rotating Cylinder for Transdermal Patches, Vision Compatible, Electropolished 316S.S.	74-105-240
CS-PSSPNAPP6-HRVL	Spin ON/OFF USP APP 6 Rotating Long Cylinder for Transdermal Patches, Vision Compatible, Electropolished 316S.S.	-

Distek Rotating Cylinder

Part No.	Description	OEM Ref
CS-PSAPPSIX-DK	Rotating Cylinder for Transdermal Patches, 316S.S.	3200-0142
CS-PSAPPSIX-DKL	Long version Rotating Cylinder	-

Electrolab Rotating Cylinder

Part No.	Description	OEM Ref
CS-PSAPPSIX-EL	Rotating Cylinder for Transdermal Patches, Electropolished 316 Stainless Steel	0103A00184
CS-PSAPPSIX-ELL	Long version Rotating Cylinder	0103A00183

Sotax Rotating Cylinder

Part No.	Description	OEM Ref
CS-PSAPPSIX-ST	Rotating Cylinder for Transdermal Patches, Electropolished 316 Stainless Steel	7663
CS-PSAPPSIX-STL	Long version Rotating Cylinder	-

Topical and Transdermal Drug Testing



The vertical diffusion cell (VDC) system is a simple, reliable, and reproducible means of measuring drug release from semisolid (cream, ointment, and gel) dosage forms.

The membrane, with its application side up, is placed in a VDC (typically a 15-mm diameter orifice), e.g., a Franz cell. The VDC assembly consists of two chambers (a donor chamber and a receptor chamber), separated by a donor compartment and held together by a clamp.

This type of cell is commonly used for testing the in vitro release rate of topical drug products, cosmetics, skin-care products and ophthalmics.

USP 1724 compliant

Hanson Compatible Cells

Part No.	Description	OEM Ref
CS-PSVDC0904CP-HR	Clear Glass – Complete VDC cell Vertical Diffusion Cell, Clear Glass, 9 mm Orifice, 4 mL vol, “Small”	58-001-451
CS-PSVDC1507CP-HR	Vertical Diffusion Cell, Clear Glass, 15 mm Orifice, 7 mL vol, “Standard” Recommended by US FDA for topicals	58-001-455
CS-PSVDC1512CP-HR	Vertical Diffusion Cell, Clear Glass, 15 mm Orifice, 12 mL vol, “Large”	58-001-455
CS-PSVDC1520CP-HR	Vertical Diffusion Cell, Clear Glass, 15 mm Orifice, 20 mL vol, “Large”	-
CS-PSVDC0904CO-HR	Clear Glass – VDC cell Only Vertical Diffusion Cell, Clear Glass, 9 mm Orifice, 4 mL vol, “Small”	58-001-453
CS-PSVDC1507CO-HR	Vertical Diffusion Cell, Clear Glass, 15 mm Orifice, 7 mL vol, “Standard” Recommended by US FDA for topicals	58-001-457
CS-PSVDC1512CO-HR	Vertical Diffusion Cell, Clear Glass, 15 mm Orifice, 12 mL vol, “Large”	58-001-461
CS-PSVDC1520CO-HR	Vertical Diffusion Cell, Clear Glass, 15 mm Orifice, 20 mL vol, “Large”	-



CS-PSVDC1507CP-HR

Part No.	Description	OEM Ref
CS-PSVDC0904CP-AHR	Amber Glass – Complete VDC cell Vertical Diffusion Cell, Amber Glass, 9 mm Orifice, 4 mL vol, “Small”	58-001-452
CS-PSVDC1507CP-AHR	Vertical Diffusion Cell, Amber Glass, 15 mm Orifice, 7 mL vol, “Standard” Recommended by US FDA for topicals	58-001-456
CS-PSVDC1512CP-AHR	Vertical Diffusion Cell, Amber Glass, 15 mm Orifice, 12 mL vol, “Large”	58-001-460
CS-PSVDC1520CP-AHR	Vertical Diffusion Cell, Amber Glass, 15 mm Orifice, 20 mL vol, “Large”	-
CS-PSVDC0904CO-AHR	Amber Glass – Complete VDC cell Vertical Diffusion Cell, Amber Glass, 9 mm Orifice, 4 mL vol, “Small”	58-001-454
CS-PSVDC1507CO-AHR	Vertical Diffusion Cell, Amber Glass, 15 mm Orifice, 7 mL vol, “Standard” Recommended by US FDA for topicals	58-001-458
CS-PSVDC1512CO-AHR	Vertical Diffusion Cell, Amber Glass, 15 mm Orifice, 12 mL vol, “Large”	58-001-462
CS-PSVDC1520CO-AHR	Vertical Diffusion Cell, Amber Glass, 15 mm Orifice, 20 mL vol, “Large”	-



CS-PSVDC1512CP-AHR



Hanson VDC Parts

Part No.	Description	OEM Ref
CS-PSVDCGLDSK-HR	Glass Disk, suited for all TDS cells	58-001-506
CS-PSVDCCLRNG-HR	Cell ring	58-001-507
CS-PSVDCDSW09-HR	Dosage wafer for 4ml cells, 9 mm orifice	58-001-518
CS-PSVDCDSW15-HR	Dosage wafer for 7, 12, 20ml cells, 15 mm orifice	58-001-511
CS-PSVDCCLPAS-HR	Clamp Assembly for 4, 7, 12, 20ml cells	58-001-450
CS-PSVDC0904CT-HR	Threaded Cell Top, Clear Glass, 2ml volume suited for 4ml cell	58-001-530
CS-PSVDC1507CT-HR	Threaded Cell Top, Clear Glass, 6ml volume suited for 7, 12 and 20ml cell	58-001-531
CS-PSVDCMSP06-HR	Stirrer Plate 6-position	58-001-420
CS-PSVDCMC40-HR	Universal Speed control unit, 40 Watt, Rs232	58-001-425



CS-PSVDCDSW09-HR



CS-PSVDC1507CT-HR



CS-PSVDC1507CT-HR

Kerski Cell

Permeation cell with isofill chamber was developed especially for automatic sampling, which can also pose a difficulty especially for the Franz Cell. Furthermore, this model can be used with labile skins such as separated epidermis or mucous membranes of all kinds. An additional problem for cells with horizontal application is the formation of air bubbles under the skin. Vertical application as well as the design of the permeation cell with isofill chamber can avoid this problem. Permeation area of the cell is approx. 65mm²

Part No.	Description	OEM Ref
CS-PSKERSKI-01	Permeation cell with isofill chamber for liquides, approx. 10ml	-
CS-PSKERSKI-02	Permeation cell with isofill chamber for (semi)solid dosage forms, approx. 10 ml	-
CS-PSKERSKI-03	Permeation cell with isofill chamber for (semi)solid dosage forms, approx. 5 ml	-
CS-PSKERSKI-04	Permeation cell with isofill chamber for (semi)solid dosage forms, approx. 20 ml	-
CS-PSVDCMSP15-HR	Magnetic Stirrer MixDrive 15 pos.	-
CS-PSVDCMC40-HR	Universal Speed control unit, 40 Watt, Rs232	-



CS-PSKERSKI-01



CS-PSVDCMSP06-HR



CS-PSVDCMSP15-HR



Transdermal Cells in Climate Chamber

Biodissolution Accessories

Caps & Covers

Part No.	Description	OEM Ref
PSEVACOV-05	PVC Evaporation Cover for 300ml Glass Vessels	27-1500
PSEVACOV-07	PTFE Evaporation Cover for 300ml Glass Vessels	-
PSLOWCAP-03	Lower Cap for 300ml Glass Vessels	27-1020
PSLOWCAP-05	Lower Cap for 300ml Glass Vessels, Wider Agilent Style	27-1050
PSUPPCAP-03	Upper Cap for 300ml Glass Vessels	27-1000



CS-PSEVACOV-05



CS-PSEVACOV-07



CS-PSLOWCAP-03



CS-PSLOWCAP-05



CS- PSUPPCAP-03

Vessels & Sampling Tubes

Part No.	Description	OEM Ref
PSGLA300-01	Outer Vessel, 300ml, Clear Glass, Non-graduated	-
PSGLA300-02	Outer Vessel, 300ml, Clear Glass, Graduated	27-5100
PSGLA300-03	Outer Vessel, 300ml, Clear Glass, Class A, with 250ml mark	-
PSGLA300-AV	Outer Vessel, 300ml, Amber Glass, Non-graduated	-
PSGLAIST-01	Inner Sampling Tube, 100ml, Clear Glass	27-5000
PSGLAIST-AV	Inner Sampling Tube, 100ml, Amber Glass	-



CS-PSGLA300-01



CS-PSGLA300-02



CS-PSGLA300-03



CS-PSGLA300-AV

Screens

Screens with 1.25" diameters for 300ml glass vessels.

Part No.	Description	OEM Ref
CS-PSMSHSCR-20	20 Mesh 316 Stainless Steel Screen	27-2100
CS-PSMSHSCR-30	30 Mesh 316 Stainless Steel Screen	27-2103
CS-PSMSHSCR-40	40 Mesh 316 Stainless Steel Screen	27-2105
CS-PSPOLSCR-20-125	20 Mesh Polypropylene Screen	27-2000
CS-PSPOLSCR-30-125	30 Mesh Polypropylene Screen	-
CS-PSPOLSCR-40-125	40 Mesh Polypropylene Screen	27-2005
CS-PSPOLSCR-1K-125	100 Mesh Polypropylene Screen	27-2015



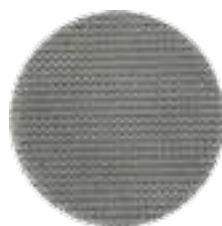
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CS-PSGLAIST-AV



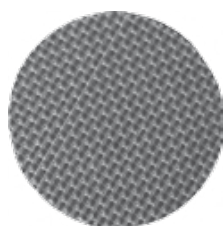
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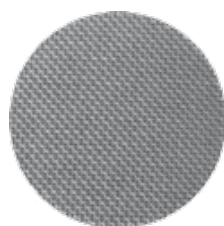
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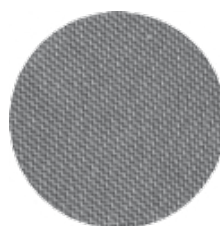
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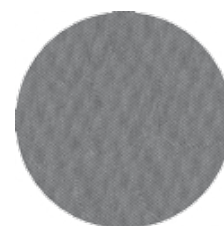
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CS-PSPOLSCR-30



CS-PSPOLSCR-40



CS-PSPOLSCR-1K



ASTM Validation Toolkit

For a diversity of dissolution systems and purposes different tools are available. Dissolution Equipment Accessories provides you with a broad range of tools used for quick reference, detailed mechanical qualification and requalification.

For Mechanical Qualification different procedures are available.

One of them is ASTM procedure E2503.

ASTM International, American Society for Testing and Materials (ASTM), is an international standards organization that develops and publishes voluntary consensus technical standards for a wide range of materials, products, systems, and services.

Dissolution Equipment Accessories assembled an ASTM Validation Toolkit capable to perform mechanical qualification according ASTM or USP for a wide range dissolution systems.

Among the systems supported are:

- Hanson
- Agilent
- Distek
- Erweka
- Sotax
- Pharmatest
- ElectroLab

The Validation toolkit comes with a step by step user guide.

Features:

- Gauge with digital readout
- Digital Level
- Set gauge
- Height measurement adapter
- Centering measurement adapter
- Wobble adapter (incl. cover and brackets)
- Calibrated shaft (incl. retaining ring)
- Depth Gauge (for USP 1 and 2)
- Thermometer
- Tachometer

The Dissolution Equipment Accessories toolkit provides you the toolsto perform apparatus 1 & 2 ASTM measurements.

- System leveling measurements
- Shaft and Vessel verticality
- Vessel centering
- Wobble
- Depth measurement
- Temperature measurements
- Speed measurements



Part No.	Description
CS-PSASTMKT-HDA	ASTM Validation Tool kit for Hanson, Distek, Agilent
CS-PSASTMKT-EP	ASTM Validation Tool kit for Erweka, PharmaTest
CS-PSASTMKT-ST	ASTM Validation Tool kit for Sotax
CS-PSASTMKT-EL	ASTM Validation Tool kit for Electrolab
CS-PSASTMEX-EP	Expansion kit to make it "EP" compatible, incl. extra shafts
CS-PSASTMEX-ST	Expansion kit to make it "ST" compatible, incl. shaft and adapter ring



TOOLS Verification/ Calibration

Tools are standard Factory Calibrated. When additional certification is needed or re-certification, this is done according to NEN ISO 17025, certified by the RvA. RvA is member of the European Co-operation for Accreditation (EA) and is one of the signatories to the EA multilateral agreement and to the ILAC mutual recognition arrangements (MRA) for the mutual recognition of calibration certificates. Please order this service extra.

Part No.	Description
CS-PSCAL-ASTMKT	Calibration Service; ASTM kit Complete
CS-PSCAL-CNTGAG	Calibration Service; Centring kit
CS-PSCAL-DEPTH	Calibration Service; Digital Depth Gauge Kit
CS-PSCAL-THERMO	Calibration Service; Thermometer, 2-points
CS-PSCAL-VERTMET	Calibration Service; Digital Verticality meter
CS-PSCAL-WOBMET	Calibration Service; Wobble meter kit
CS-PSCALHTA6-UN	Calibration Service; Height Tool, Universal

Before analysis a reference/adjustment of paddle/basket height can be needed.

Dissolution Equipment Accessories has several adjustment reference tools as Height spacers, ball gauges, and depth set gauges specific for dissolution system for USP (1, 2, 5 and 6) method. In order to overcome different depth tools a universal depth gauge is available.

Part No.	Description	OEM Ref
CS-PSCALHTA5-35	Calibration Height Tool App 5, 35mm patch holders	Universal
CS-PSCALHTA5-56	Calibration Height Tool App 5, 56mm patch holders	Universal
CS-PSCALHTA5-80	Calibration Height Tool App 5, 80mm patch holders	Universal
CS-PSCALHTA6-UN	Calibration Height Tool App 1, 2 & 6	Universal
CS-PSDEPGAG-VK	Depth Gage for height setting	12-7300
CS-PSDEPSET-MI	Ball Style Depth Set Gauge	Universal
CS-PSDEPSET-SB	Stationary Basket Spacer, 1cm -	Universal
CS-PSDPSPBK-HR	Basket Height Spacer, Hanson	72-800-501
CS-PSDPSPPD-HR	Paddle Height Spacer, Hanson	72-800-502
CS-PSDPSPBK-VK	Basket Height Spacer, Agilent	12-7210
CS-PSDPSPPD-VK	Paddle Height Spacer, Agilent	12-7200
CS-PSGNGDEP	Go no Go tool	-



CS-PSDEPSET-SB



CS-PSDPSPBK-VK



CS-PSDPSPPD-VK



CS-PSDEPGAG-VK



CS-PSDEPSET-MI



CS-PSCALHTA6-UN



CS- PSCALHTA5-35



CS-PSCALHTA5-50



CS-PSCALHTA5-56



CS-PSCALHTA5-80



Shaft Wobble

The ASTM standard tolerates a shaft wobble of ≤ 1.0 mm. For measurement, the shafts and stirring elements must be installed according to the dissolution bath manual. The measurement values are recorded by the digital gauge. According to FDA guidelines, shaft wobble is measured 2 cm above the paddle or basket rim.

Part No.	Description
CS-PSWOBMET-MI	Wobble kit for open top baths
CS-PSWOBMET-ST	Wobble kit for Sotax At7

Vessel Centering

According to ASTM the specification of the vessel position from the length axis of the stirrers is ≤ 1.0 mm. Vessel centering is determined by measurement in two positions inside the vessel.

Part No.	Description
CS-PSCNTGAG-HDA	Vessel Centering kit for Agilent, Distek and Hanson
CS-PSCNTGAG-MI	Vessel Centering kit for Erweka, Pharmatest and Sotax

Paddle and Basket Height

According to ASTM, the stirring element height is specified 25 ± 2 mm. The height is tested with empty and centered vessels.

Part No.	Description
CS-PSDDAPT-MI	Height measurement Tool kit, multi-instrument

Speed

According to ASTM standard, the rotational speed may deviate from set speed by a max of ± 2 rpm @ 50rpm.

Part No.	Description
CS-PSTACHOM-UN	Tachometer, multi-instrument

Temperature

Part No.	Description
CS-PS THERMD-LC	Calibrated Thermometer with temperature probe, multi-instrument

Vibration

Part No.	Description
CS-PSVIBMET-UN	Vibration meter, multi-instrument

System leveling

Part No.	Description
CS-PSVERTMET-MI	Digital, verticality and leveling meter



CS-PSCNTGAG-HDA



CS-PSDDAPT



THERMOMETER



TACHOMETER



DIGITAL VERTICALITY METER

Calibration Tools



Model SenseLine F410 pH/mV/°C Meter



- Clear display of measured values and settings
- Watertight and dustproof to Ip67 specifications
- Continue indication of electrode and battery status
- Automatic endpoint and buffer recognition
- Automatic Temperature Compensation
- Data memory for 30 GLP data points
- 3-point calibration with predefined or user-defined buffers

Specifications				Ordering Information	
F410	Measuring range	Resolution	Accuracy	F410	Meter only option includes F410 pH portable meter, operation manual and four AA batteries
pH	0.00 ~ 14.00	0.01	± 0.01	F410T	Meter kit option includes F410 + 2 pH buffers + KCl solution + epoxy pH electrode with built-in ATC (IP67) and carrying case
mV	1999 ~ 1999	1	±1	QP4111T	Epoxy pH-electrode with temperature compensator, 12x120mm, 0-14 pH, 0-80°C
Temperature	5.0 ~ 105 °C	0.1 °C	± 0.5 °C		
Sensor inputs					
BNC (>1012Ω); NTC 30 KΩ (both IP67)					
Power requirements					
4AA batteries 1.5V or NiMH accumulators 1.3V					
Operation environment					
0 ~ 40 °C, 5 ~ 85% rel. humidity (non-cond.)					
Size / Weight					
220 x 90 x 45mm / 325g (without batteries)					



Measure Oxygen of your Degassed Dissolution Media! Model SenseLine Plus F450 portable Dissolved Oxygen/°C Meter

- Manual or automatic air pressure compensation with built-in barometer
- High-performance O₂ sensor
- Measures saturations %, ppm or mg/L
- Comprehensive range of accessories
- Data memory for 200 GLP data points
- On/off Backlit display
- Linear and non linear temperature compensation
- Separate operation modes for expert and routine use
- Contact-free infrared communication with notebook, printer or PC
- Meter is supplied with a calibration certificate



Media Degassing

All dissolution media should be degassed before it is placed in the dissolution vessel. Incorrectly prepared media can cause results that are either too great or too small. High results can occur when the bubbles adhere to the surface of the tablet particles, increase their buoyancy, and raise them to a higher part of the vessel where the media flow is quicker. Lower results can occur if the bubbles adhere to the surface of the basket or the tablet forming a physical barrier between the tablet and the media.

If a liquid is left to stand in air, they will form a natural equilibrium over a period of time so that a portion of the gas is dissolved in the liquid. The volume of dissolved gas is dependent on the temperature of the media and the pressure of the gas. Unlike the behaviour with solids the saturation level of gases decreases with temperature. The equilibrium value of oxygen in water drops from 8.74mg/l at 22°C to 7.73mg/l at 37°C (130% of the value at room temperature). Therefore if the media is heated it becomes supersaturated with air and air bubbles will form.

The effects on a dissolution rate can be significant, particularly with prednisone tablets. In some test results the rate of dissolution was higher by more than 30% when all the dissolved gases were removed. There is a linear relationship between the amount of dissolved gas and the rate of dissolution and a lot of low failures may be caused by the effects of unwanted gases in the media.

The release of gases from the media can be prevented if the level of gas is reduced before heating — to avoid possible problems a value at least 5% below saturation at the test temperature should be provided.

Typically the deaeration is measured by volume of dissolved oxygen present in the media as it is easy to measure directly with sensitive electrodes and has a virtually

pH independent solubility in water. Oxygen is much easier to measure than nitrogen and the relationship between the level of air and that of oxygen is well correlated. It is important that the level of oxygen is always given an absolute value in parts per million (ppm). Values that are given as a percentage of dissolved air are not sufficient as these are dependent on the temperature of the media. When using an oxygen meter it is important that the media being prepared is water as an additive such as acid or buffer may adversely affect the reading.

Specification			
F450	Measuring range	Resolution	Accuracy
Saturation	0.0 ~ 600%	0.1 ~ 1	± 0.5%
Temperature	0.0 ~ 60 °C	0.1 °C	± 0.1 °C
mg/L, ppm	0.00 ~ 99.00	0.1 °C	± 0.5% max. 0.03
Pressure	500 ~ 1100 mbar	1	± 1
Sensor inputs	BNC (>1012 Ω); NTC 22 KΩ (both Ip67)		
Outputs	IR to printer or PC via RS232 or USB		
Power requirements	4 AA batteries 1.5V or NiMH accumulators 1.3V		
Operation environment	0 ~ 40 °C, 5 ~ 85% rel. humidity (non-cond.)		
Size / Weight	220 x 90 x 45mm / 325g (without batteries)		

Ordering Information	
F450	Meter kit option includes F450 + Zero solution + electrolyte + epoxy DO electrode with built-in ATC (IP67) and carrying case
F450	Spare DO electrode for F450.

Glass Accessories



Volumetric Flasks clear glass

Part No.	Description	OEM Ref
CS-PSVOLFLK-05	500ml Volumetric Flask, Class A, Calibrated at 20°C	-
CS-PSVOLFLK-09	900ml Volumetric Flask, Class A, Calibrated at 20°C	-
CS-PSVOLFLK-1K	1000ml Volumetric Flask, Class A, Calibrated at 20°C	-
CS-PSVOLFLK-X5	500ml Volumetric Flask, Class A, Calibrated at 37°C	-
CS-PSVOLFLK-X9	900ml Volumetric Flask, Class A, Calibrated at 37°C	-
CS-PSVOLFLK-X1	1000ml Volumetric Flask, Class A, Calibrated at 37°C	-

Add A for amber



CS-PSVOLFLK-X1A CS-PSVOLFLK-X9A CS-PSVOLFLK-05A

Tapped Density

Part No.	Description	OEM Ref
CS-PSGLA100FT-01	100ml Funnel Top Cylinder, Graduated, Hexagonal Base	52-5010
CS-PSGLA1CA-01	100ml Funnel Top Cylinder, Graduated, Hexagonal Base, Class A, Calibrated at 20°C	-
CS-PSGLA250FT-01	250ml Funnel Top Cylinder, Graduated, Hexagonal Base	52-5020
CS-PSGLA500ST-01	500ml Standard Top Cylinder, Graduated, Hexagonal Base, Agilent Comp.	52-5060
CS-PSGLA100ST-DK	100ml standard Top Cylinder, Graduated, Hexagonal Base	-
CS-PSGLA250ST-DK	100ml standard Top Cylinder, Graduated, Hexagonal Base	-
CS-PSGLA100ST-EW	100ml Standard Top Cylinder, Graduated, Hexagonal Base for SVM, Erweka Comp.	80-453- 0100
CS-PSGLA250ST-EW	250ml Standard Top Cylinder, Graduated, Hexagonal Base for SVM, Erweka Comp.	80-453-0250
CS-PSGLA500ST-EW	500ml Standard Top Cylinder only, Graduated, Hexagonal Base for SVM, Erweka Comp.	80-453-0500
CS-PSGLA100ST-EL	100ml Standard Top Cylinder, Graduated, Hexagonal Base, Electrolab Comp.	-
CS-PSGLA250ST-EL	250ml Standard Top Cylinder, Graduated, Hexagonal Base, Electrolab Comp.	-
CS-PSGLA100ST-ST	100ml standard Top Cylinder, Graduated, Hexagonal Base	8424
CS-PSGLA250ST-ST	100ml standard Top Cylinder, Graduated, Hexagonal Base	8425



CS-PSGLA100FT-01 CS-PSGLA1CA-01 CS-PSGLA250FT-01



CS-PSGLA100ST-ST CS-PSGLA250ST-ST

Volumetric Flask acc. to ASTM and USP



When manufacturing pharmaceutical products or intermediates which may either be exported into US markets or which are made by companies being audited by US authorities, such as the Food and Drug Administration (FDA), it is a written requirement of the FDA that volumetric glass used in laboratories for control purposes must conform to the standards laid down within the US Pharmacopoeia.

Each individual piece of USP Class A glass is individually tested and carries its own individual number. Not only does this offer full traceability, but it also permits all laboratory work to be done with identifiable and identified equipment.

Clear Glass, Class A, Borosilicate glass, white graduation, with Polystop

ASTM incl. batch cert. No single cert.	Capacity	Tolerance	Stopper	Printing	Quantity
129.203.01	5 ml	± 0.02 mL	13	White	5
129.203.02	10 ml	± 0.02 mL	13	White	5
129.203.02A	20 ml	± 0.04 mL	13	Blue	5
129.203.03	25 ml	± 0.03 mL	13	Amber	5
129.203.04	50 ml	± 0.05 mL	13	White	5
129.203.05	100 ml	± 0.08 mL	16	White	5
129.203.06	200 ml	± 0.1 mL	19	White	2
129.203.07	250 ml	± 0.2 mL	19	Amber	2
129.203.08	500 ml	± 0.2 mL	19	Amber	2
129.203.09	1000 ml	± 0.3 mL	22	White	2
129.203.10	2000 ml	± 0.5 mL	27	White	1
129.203.13	5000 ml	± 1.5 mL	38	Amber	1



Amber Glass, Class A, Borosilicate glass, white graduation, with Polystop

ASTM incl. batch cert. No single cert.	Capacity	Tolerance	Stopper	Printing	Quantity
129.202.01	5 ml	± 0.02 mL	13	White	5
129.202.02	10 ml	± 0.02 mL	13	White	5
129.202.02A	20 ml	± 0.04 mL	13	White	5
129.202.03	25 ml	± 0.03 mL	13	White	5
129.202.04	50 ml	± 0.05 mL	13	White	5
129.202.05	100 ml	± 0.08 mL	16	White	5
129.202.06	200 ml	± 0.1 mL	19	White	2
129.202.07	250 ml	± 0.12 mL	19	White	2
129.202.08	500 ml	± 0.15 mL	19	White	2
129.202.09	1000 ml	± 0.3 mL	22	White	2
129.202.10	2000 ml	± 0.5 mL	27	White	1
129.202.13	5000 ml	± 1.5 mL	38	White	1



Intrinsic Dissolution



Intrinsic Dissolution Apparatus

Part No.	Description	OEM Ref
CS-PSIDASET-01	Intrinsic Dissolution Apparatus Set, Agilent	12-4101
CS-PSIDASET-DK	Intrinsic Dissolution Appartus Set, Distek	-
CS-PSIDASET-EL	Intrinsic Dissolution Appartus Set, Electrolab	-
CS-PSIDASET-EW	Intrinsic Dissolution Appartus Set, Erweka	-
CS-PSIDASET-HR	Intrinsic Dissolution Appartus Set, Hanson	95-590-201
CS-PSIDASET-LG	Intrinsic Dissolution Appartus Set, Logan	033-0006
CS-PSIDASET-PT	Intrinsic Dissolution Appartus Set, Pharmatest	-
CS-PSIDASET-ST	Intrinsic Dissolution Appartus Set, Sotax	-
CS-PSIDADIE-HR	8mm Intrinsic Die with Gasket, 316 Stainless Steel, Universal	12-4120, 95-590-204
CS-PSIDAPCH-HR	8mm Punch and Handle, Universal	12-4140, 95-590-203
CS-PSIDAPLT-HR	Surface Plate with Screws, Universal	12-4130, 95-590-205
CS-PSIDAPRS-01	2 Ton Universal Intrinsic Press	-
CS-PSIDASNH-HR	Shaft and die holder only for Hanson	95-590-202
CS-PSIDASNH-01	Shaft and die holder only for Agilent	21-4150
CS-PSIDASNH-DK	Shaft and die holder only, for Distek	-
CS-PSIDASNH-EW01	Shaft and die holder only, for Erweka Unishaft, to screw to Shaft	-
CS-PSIDASNH-EW02	Shaft and die holder only, for Erweka MagniShaft for Low-Head use	-
CS-PSIDASNH-ST	Shaft and die holder only for Sotax	-
CS-PSIDASNH-EL	Shaft and die holder only for Electrolab	-



CS-PSIDASET-01
(Set includes: CS-PSIDADIE-01,
CS-PSIDAPCH-01,
CS-PSIDAPLT-01,
CS-PSIDASNH-01)



CS-PSIDAPCH-01



CS-PSIDAPLT-01



CS-PSIDADIE-01



CS-PSIDASNH-01



CS-PSIDAPRS-01

Disintegration

Agilent Disintegration Accessories

Part No.	Description	OEM Ref
CS-PSDISASY-06	Basket Assembly with 6 Glass Tubes and 10 Mesh Stainless Steel Screens	37-2001
CS-PSDISASY-03	Basket Assembly with 3 Glass Tubes and 10 Mesh Stainless Steel Screens	37-3030
CS-PSDISTUB-03	Glass Disintegration tubes for 3 Tube Assembly, pk/3	37-5005
CS-PSDISTUB-06	Glass Disintegration Tubes for 6 Tube Assembly, pk/6	37-5000
CS-PSFDISK-VK3	Fluted Plastic Disk for 3 Tube Assembly, pk/3	37-4010
CS-PSFDISK-VK6	Fluted Plastic Disc for 6 Tube Assembly, pk/6	37-4000
CS-PSDISSCR10-VK	10 Mesh replacement Screen for 6 Tube Basket, pk/6	37-2200
CS-PSDISSCR20-VK	20 Mesh replacement Screen for 6 Tube Basket, pk/6	37-2205
CS-PSDISSCR40-VK	40 Mesh replacement Screen for 6 Tube Basket, pk/6	37-2210
PSGLA900-DB	900ml Disintegration Beaker, Flared Top	37-5200
PSGLA905-DB	900ml Disintegration Beaker, Flat Top	37-5305



CS-PSFDISK-VK6



CS-PSFDISK-VK3



CS-PSDISTUB-06

CS-PSDISTUB-03



CS-PSDISASY-03



CS-PSDISASY-06

Erweka Disintegration Accessories

Part No.	Description	OEM Ref
CS-PSDISASY-EW06	Basket Assembly 6 tube, 10 mesh	-
CS-PSDISASY-EW03	Basket Assembly 3 tube, 10 mesh	-
CS-PSDISTUB-EW03	Glass Disintegration tubes for 3 Tube Assembly, pk/3	-
CS-PSDISTUB-EW06	Glass Disintegration tubes for 6 Tube Assembly, pk/6	-
CS-PSBEAK1L-EW	Disintegration Beaker, Clear Glass 1L	-
CS-PSFDISK-EW3	Fluted Plastic Disk for 3 Tube Assembly, pk/3	-
CS-PSFDISK-EW6	Fluted Plastic Disk for 6 Tube Assembly, pk/6	-
CS-PSDISSCR10-EW	10 mesh replacement Screen for 6 Tube basket, pk/6	-

Distek Disintegration Accessories

Part No.	Description	OEM Ref
CS-PSDISASY-DK06	Basket Assembly 6 tube for 3102 3104 & 3106, 10 mesh	2800-0021
CS-PSDISASY-DK03	Basket Assembly 3 tube for 3102 3104 & 3106, 10 mesh	3200-0529
CS-PSDISTUB-DK03	Glass Disintegration tubes for 3 Tube Assembly, pk/3	3010-0525
CS-PSDISTUB-DK06	Glass Disintegration tubes for 6 Tube Assembly, pk/6	3010-0024
CS-PSBEAK1L-DK	Disintegration Beaker, Clear Glass 1L	3010-0360
CS-PSFDISK-DK3	Fluted Plastic Disk for 3 Tube Assembly, pk/3	3250-0535
CS-PSFDISK-DK6	Fluted Plastic Disk for 6 Tube Assembly, pk/6	3250-0029
CS-PSDISSCR10-DK	10 mesh replacement Screen for 6 Tube basket, pk/6	3200-0032



CS-PSGLA900-DB

CS-PSGLA905-DB



PharmaTest Disintegration Accessories

Part No.	Description	OEM Ref
CS-PSDISTUB-PT03	Glass Disintegration tubes for 3 Tube Assembly, pk/3	101-2025-3
CS-PSDISTUB-PT06	Glass Disintegration tubes for 6 Tube Assembly, pk/6	101-2145-6
CS-PSBEAK1L-PT	Disintegration Beaker, Clear Glass 1L	-
CS-PSFDISK-PT3	Fluted Plastic Disk for 3 Tube Assembly, pk/3	101-2016-3
CS-PSFDISK-PT6	Fluted Plastic Disk for 6 Tube Assembly, pk/6	101-2148-6
CS-PSDISSCR10-PT	10 mesh replacement Screen for 6 Tube basket, pk/6	-



CS-PSFDISK-VK6



CS-PSFDISK-VK3



CS-PSDISTUB-PT6 CS-PSDISTUB-PT3

Sotax Disintegration Accessories

Part No.	Description	OEM Ref
CS-PSDISASY-ST06	Basket Assembly 6 tube for DT2, 10 mesh	2044-1
CS-PSDISASY-ST03	Basket Assembly 3 tube for DT2, 10 mesh	8820
CS-PSDISTUB-ST03	Glass Disintegration tubes for 3 Tube Assembly, pk/3	-
CS-PSDISTUB-ST06	Glass Disintegration tubes for 6 Tube Assembly, pk/6	2134
CS-PSBEAK1L-ST	Disintegration Beaker, Clear Glass 1L	3061
CS-PSFDISK-ST3	Fluted Plastic Disk for 3 Tube Assembly, pk/3	8826
CS-PSFDISK-ST6	Fluted Plastic Disk for 6 Tube Assembly, pk/6	3063
CS-PSDISSCR10-ST	10 mesh replacement Screen for 6 Tube basket, pk/6	-

Electrolab Disintegration Accessories

Part No.	Description	OEM Ref
CS-PSDISTUB-EL03	Glass Disintegration tubes for 3 Tube Assembly, pk/3	0201A00002
CS-PSDISTUB-EL06	Glass Disintegration tubes for 6 Tube Assembly, pk/6	0201A00001
CS-PSBEAK1L-EL	Disintegration Beaker, Clear Glass 1L	0201A00013
CS-PSFDISK-EL3	Fluted Plastic Disk for 3 Tube Assembly, pk/3	0201A00005
CS-PSFDISK-EL6	Fluted Plastic Disk for 6 Tube Assembly, pk/6	0201A00004
CS-PSDISSCR10-EL	10 mesh replacement Screen for 6 Tube basket, pk/1	-

Hanson Disintegration QC-21 Accessories

Part No.	Description	OEM Ref
CS-PSDISTUB-HR03	Glass Disintegration tubes for 3 tube assembly, pk/3	65-303-022
CS-PSDISTUB-HR06	Glass Disintegration tubes for 6 tube assembly, pk/6	65-169-001
CS-PSFDISK-HR3	Fluted Plastic Disk for 3 tube assembly, pk/3	65-303-023
CS-PSFDISK-HR6	Fluted Plastic Disk for 6 tube assembly, pk/6	65-170-001
CS-PSBEAK1L-HR	Disintegration Beaker, Clear Glass 1L	91-030-036
CS-PSDISSCR10-HR	10 Mesh replacement Screen for 6 Tube Assembly, pk/6	65-320-005



CS-PSBEAK1L-ST CS-PSBEAK1L-EL

Copley Disintegration Accessories

Part No.	Description	OEM Ref
CS-PSDISTUB-CP03	Glass Disintegration tubes for 3 tube assembly, pk/3	1211
CS-PSDISTUB-CP06	Glass Disintegration tubes for 6 tube assembly, pk/6	1219
CS-PSFDISK-CP3	Fluted Plastic Disk for 3 tube assembly, pk/3	1220
CS-PSFDISK-CP6	Fluted Plastic Disk for 6 tube assembly, pk/6	1212
CS-PSBEAK1L-CP	Disintegration Beaker, Clear Glass 1L	1214
CS-PSDISSCR10-CP	10 Mesh replacement Screen for 6 Tube Assembly, pk/6	-

Misc Accessories

Tubing

Part No.	Description	OEM Ref	
CS-PSPPTUBV-01	Peristaltic Pump Tubing, Santoprene, Coded Purple & White (Set of 8)	17-6000	A
CS-PSPPTUBV-02	Peristaltic Pump Tubing, Silicone, Coded Purple & White (Set of 8)	17-6010	A
CS-PSPPTUBD-01	Peristaltic Pump Tubing, Santoprene (Set of 6)	5640-0337	D
CS-PSTAATUB-HP	3 Collar Tygon Auto Analyser Tubing, 0.08" (2.06mm) ID (Set of 12)	5041-2166	D
CS-PSTEFTUB-HP	FEP PTFE Tubing for HP 1/32" (0.8mm) ID x 1/16" (1.6mm) OD, 500' (152m) Roll	-	
CS-PSTEFTUB-8V	Colour Coded Sample PTFE Tubing, 0.42" (10.67mm) ID x 0.066" (1.68mm) OD, 8 Lengths of 50' (15m)	17-6035	A
CS-PSTUBING	Tygon Tubing, 1/16" (1.6mm) x 1/8" (3.2mm) (15m)	-	



CS-PSTEFTUB-8V



CS-PSPPTUBV-01



CS-PSPPTUBV-02



CS-PSTAATUB-HP



CS-PSTUBING



CS-PSTEFTUB-HP



CS-PSPPTUBD-02

D

= Distek

A

= Agilent

Fittings, Tubing & Couplings

Part No.	Description	OEM Ref
CS-PS91-601-130	Fitting, 1/16 in. Ferrule, Blue , pk/10	-
CS-PS91-601-131	Fitting, 1/4-28 x 1/16 in. Nut, Black, pk/10	-
CS-PS91-601-132	Fitting, 1/4-28 x 1/16 in. Nut, Red, pk/10	-
CS-PS91-601-133	Fitting, 1/4-28 x 1/16 in. Nut, White, pk/10	-
CS-PS91-601-134	Fitting, 1/4-28 x 1/16 in. Nut, Yellow, pk/10	-
CS-PS91-601-135	Fitting, 1/4-28 x 1/16 in. Nut, Green, pk/10	-
CS-PS91-601-136	Fitting, 1/4-28 x 1/16 in. Nut, Blue, pk/10	-
CS-PS91-601-137	Fitting, 1/4-28 x 1/16 in. Nut, Clear, pk/10	-
CS-PS91-601-138	Fitting, 1/4-28 Union, White, pk/10	-
CS-PS91-601-139	Fitting, 1/4-28 x 1/16 in. Nut, Purple, pk/10	-
CS-PS91-601-140	Fitting, 1/8 in. Ferrule, Yellow, pk/10	-
CS-PS91-601-141	Fitting, 1/4-28 x 1/8 in. Nut, Black, pk/10	-
CS-PS91-601-142	Fitting, 1/4-28 x 1/8 in. Nut, Red, pk/10	-
CS-PS91-601-143	Fitting, 1/4-28 x 1/8 in. Nut, White, pk/10	-
CS-PS91-601-144	Fitting, 1/4-28 x 1/8 in. Nut, Yellow, pk/10	-
CS-PS91-601-145	Fitting, 1/4-28 x 1/8 in. Nut, Green, pk/10	-
CS-PS91-601-146	Fitting, 1/4-28 x 1/8 in. Nut, Blue, pk/10	-
CS-PS91-601-147	Fitting, 1/4-28 x 1/8 in. Nut, Clear, pk/10	-
CS-PS91-601-149	Fitting, 1/4-28 x 1/8 in. Nut, Purple, pk/10	-
CS-PS91-601-261	Fitting, 1/4-28 to Female Luer, MicroettePlus Cell Connector, pk/10	-
CS-PS91-600-106	Tubing, PTFE, 1/32 in. i.d. x 1/16 in. o.d. (100 ft. roll), pk/10	-
CS-PS91-601-036	Fitting, 1/4-28 Union, Clear, pk/10	-
CS-PS91-601-172	Fitting, 1/8-B x Female Luer, White, pk/10	91-601-172
CS-PS91-601-176	Fitting, 1/8-B x Male Luer, White, pk/10	91-601-176
CS-PS91-601-237	Fitting, 1/4" Male x 1/4" Female, Stem Elbow, MMPlus, 10/pk	91-601-237
CS-PS91-601-262	Fitting, female luer to female luer, pk/10	91-601-262



Ferrule, blue, 1/16 in



CS-PS91-601-131



CS-PS91-601-132



CS-PS91-601-133



CS-PS91-601-134



CS-PS91-601-135



CS-PS91-601-136



CS-PS91-601-137



CS-PS91-601-139



CS-91-601-261



CS-PS91-601-237



CS-PS91-601-262

Paper Rolls

Part No.	Description	OEM Ref
CS-PSPAP100-01	Plain Paper Rolls for Report Center II, 2.25" (57mm) Wide (Pack of 25)	12-9995
CS-PSTPP100-01	Thermal Paper Rolls (Pack of 25)	12-9994
CS-PSPAP100-HR	Printer Rolls, Hanson	47-200-703



CS-PSPAP100-01



CS-PSTPP100-01

Aquastabil-LQ

Aquastabil-LQ is a highly soluble preserving compound, whose properties are ideal for a broad spectrum of biological conditions that are involved in the decomposition of water. Aquastabil-LQ is the only proven biocide solution to the tedious and expensive task of maintain optimum water bath integrity.

Used in the right concentration, it is highly effective against bacteria and fungi. It is also non-hazardous and its environmentally friendly formula does not require you to follow special disposal instructions. This formula has also been enhanced by the addition of special cleaning agents, that will contribute to make subsequent cleaning easier to perform by reducing the effect of microorganism build-up around the bath walls, as well as provide secondary protection to units with recirculating systems.



CS-PSAQUASTABIL-LQ01

Part No.	Description
CS-PSAQUASTABIL-LQ15	Pack of 15 bottles
CS-PSAQUASTABIL-LQ01	1 bottle

Handbook of Dissolution Testing

An essential reference for any dissolution laboratory.

Information on USP, FDA, FIP, and international harmonization

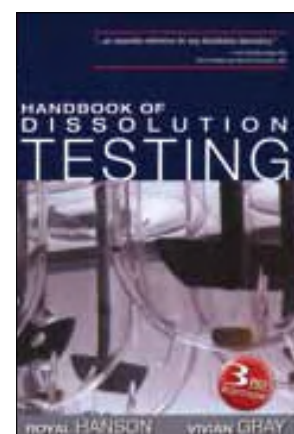
All information on special dosage forms

The latest on method development and method validation

Updates on controlling variables, the use of calibrator tablets, and solving practical problems

Updates on automation, validation, 21CFR11 and IQ/OQ/PQ requirements

Part No.	Description	OEM Ref
CS-PSHANDB	Handbook of Dissolution Testing, 3rd edition	91-030-000



Service Parts



Agilent Compatible Parts

Part No.	Description	OEM Ref
CS-PS3020-0004	Spindle drive belt for VK700/VK7000/VK6010	3020-0004
CS-PS3020-0014	Spindle drive belt, 8 position (4x4), used with 7000 and 7010 Apparatus	3020-0014
CS-PS3020-0030	Spindle drive belt for V-series Vk7025	3020-0030
CS-PS12-0675	Temp Probe Assy (Ext. Only)	12-0675
CS-PS67-0300	Temperature probe for Vk7000	67-0300
CS-PS67-0305	Thermistor Probe VK7020/VK7025	67-0305



CS-PS3020-0004



CS-PS3020-0030



CS-PSAQUAPUMP



CS-PS64-700-128



CS-PS64-705-062



CS-PS91-434-012

Hanson Compatible Parts – SR8/SR6

Part No.	Description	OEM Ref
CS-PSAQUAPUMP	Water bath circulator for Sr8	64-710-420
CS-PS64-700-128	Analog temperature probe for Sr8	64-700-128
CS-PS64-705-062	Water level sensor assembly	64-705-062
CS-PS64-710-704	Heater Assembly, Replacement Kit, Sr8	64-710-704
CS-PS72-263-237	Heater Assembly, Replacement Kit, Sr8	62-263-237
CS-PS72-265-006	Chuck Head, for Collet, SR8-Plus	72-265-006
CS-PS72-265-007	Chuck Head Collet, SR8-Plus	72-265-007
CS-PS73-100-309	Display Assembly, SR8-Plus	73-100-309
CS-PS73-100-310	Battery exchange board, Sr8	73-100-310
CS-PS73-100-419	Pulley assembly, Sr8	73-100-419
CS-PS73-100-425	Motor, 115/230V, Sr8	73-100-425
CS-PS91-400-001	Needle bearing for drivehead, Sr8	91-400-001
CS-PS91-425-003	O-Ring, 3/8 in. i.d. x 5/8 in. o.d., Chuck Head, pk/10	91-425-003
CS-PS91-434-012	Drive belt, Sr8	91-434-012
CS-PS91-434-013	Motor belt, Sr8	91-434-013

Hanson Compatible Parts – AutoPlus/Multifill

Part No.	Description	OEM Ref
CS-PS60-200-300	Connector, Communications, MultiFill	60-200-300
CS-PS60-200-431	4-way valve assembly for Hanson	60-200-431
CS-PS60-200-517	Replacement needle for Hanson Multifill	60-200-517
CS-PS60-200-550	5mL syringe for Autoplus/Autoplus Vision	60-200-550
CS-PS60-200-706	6-Sample Teflon Tubing Harness, 3ft., 1/16"	60-200-706
CS-PS60-200-708	8-Sample Teflon Tubing Harness, 3ft., 1/16"	60-200-708
CS-PS65-233-210	Syringe Barrel, Retrieval Reservoir, AutoPlus, VEAP	65-233-210
CS-PS91-220-017	Drive belt MultiFill	91-220-017
CS-PS91-220-029	Needle Sensor, Mulfill	91-220-029
CS-PS91-425-027	Home port o-ring for MultiFill, pk/10	91-425-027
CS-PS60-200-516	Home port PTFE seal for Hanson MultiFill, pk/10	60-200-516



CS-PS60-200-517



CS-PS60-200-550



CS-PS91-425-027



CS-PS60-200-516



Hanson Compatible Parts – Microette

Part No.	Description	OEM Ref
CS-PS58-001-422	Flow Indicator Assembly	58-001-422
CS-PS58-001-525	Jacked media replacement beaker 1L	58-001-525
CS-PS58-001-525-2L	Jacket media replacement beaker 2L	-
CS-PS58-001-528	Bent needle for Manual diffusion cell	58-011-528
CS-PS58-001-716	Check Valve for 58-6Mm pk/100	58-001-716
CS-PS60-200-431	4-way valve assembly for Hanson	60-200-431
CS-PS91-030-151	2.5mL syringe for Hanson Microette Plus/Vision	91-030-151
CS-PS91-030-155	Syringe 1mL, Microette Manual Syringe	91-030-155
CS-PS91-601-261	Fitting, 1/4 -28 to Female Luer, MicroettePlus Cell Connector, pk/10	91-601-261
CS-PS91-601-270	Check Valve, MultiFill	91-601-270



CS-PS58-001-525



CS-PS58-001-525-2L



CS-PS58-001-528



CS-PS91-030-151



CS-PSFILHUB-ST



CS-PSD300-1400



CS-PSD300-1810

Hanson Compatible Parts Vision

Part No.	Description	OEM Ref
CS-PS91-434-014	Belt, Drive/Motor, Vision Elite 8	91-434-014
CS-PS91-434-015	Belt, Drive/Motor, Vision Classic 6	91-434-015
CS-PS91-425-044	O-Ring, Spindle, Vision, pk/10	91-425-044
CS-PS91-601-273	Quick Disconnect Female Fitting, Vision	91-601-273
CS-PS91-601-274	Quick Disconnect Male Fitting, Vision	91-601-274

Sotax Compatible Parts

Part No.	Description	OEM Ref
CS-PS3102-ST	Flat spring (Set/10)	3102
CS-PSFILHUB-ST	Sieve cylinder for Sotax sampling hubs 10/pk	2971
CS-PSPADHUB3982	Locking ring for sieve cylinder Sotax sampling hubs, pk/7	3982
CS-PSD300-1400	V-ring for Sotax AT7 Smart, pk/7	D300-1400
CS-PSD300-1810	V-ring for Sotax AT7 Smart, pk/7	D300-1810
CS-PSA100-3070	Drive Belt AT7 Smart	A100-3070
CS-PS7402-ST	Locking ring, pk/7	7402

The first dissolution surveillance system.



The First Dissolution Surveillance Camera System that Helps You Guard Your Results!

Dissolution Equipment Accessories is proud to introduce the dissoGUARD®, a dissolution surveillance system, which is now available for most dissolution testers regardless of their manufacturer.

Dissolution Equipment Accessories is a family-owned company founded in 1997 in The Netherlands. Our vision is to develop and deliver the highest quality in comprehensive parts, consumables, and accessories in compliance with USP, EP, JP, and associated pharmacopeia. As stated in the U.S. Pharmacopeia General Chapter <1092>, which details the dissolution procedure, “visual observations are often helpful for understanding the source of the variability and whether the dissolution test itself is contributing to the variability.”

Observations: The dissoGUARD® dissolution surveillance system (DSS) gives you the chance to visually observe all your measurements continuously. It combines a unique approach to the visual dissolution testing process and offers important insight at each stage of the pharmaceutical product development process.

Qualifications: The dissoGUARD® allows you to view the rpm of your paddle or basket before, during, and after the measurement. It shows you the wobble when present, it gives you an overview of the conditions of your measurement and behavior of the sample, and stores a video of every measurement for further analysis if there are any concerns about the result.

Recording: The dissoGUARD® software allows you to review all events that occur during the measurements. The videos or snapshots can be marked with key events such as dosage introduction, sample drop, sampling, or unusual behavior and are easily exported for sharing or documentation purposes.

The Dissolution Equipment Accessories dissoGUARD® is available in several configurations with cameras precisely placed underneath the dissolution bath of your choice in the exact center of the paddle/basket spinning axis. With state-of-the-art hardware, high-speed communication links, and powerful video-processing algorithms, dissoGUARD is revolutionizing the dissolution-testing environment.



The dissoGUARD® is capable of capturing vital information that was previously unattainable. The unique camera system placed beneath each individual vessel shows the user real time videos, detects paddle/basket motion, and store videos for further analysis or fault detection which can be reviewed on an for you convenient moment.

With some unique features such as motion detector and LED illumination, it is able to record good quality videos for all vessels. After recording, the user is able to pinpoint and mark individual stages of the dissolution procedure. Because of the unique camera position, different operations are well visible (tablet drop or basket immersion, sampling cannula or temperature probe immersion). The timing of different events can be determined down to seconds.



The dissoGUARD Pro software is the ultimate guardian for your dissolution procedure and apparatus; it can alert the user of any abnormal status of these parameters during a test, preventing lost time and aiding in eventual failure investigations.

dissoGUARD PRO is not meant to be a qualification tool, but it will keep you on the safe side during periodic OQ/MQ measurements. With unique software algorithms, it can successfully predict excessive wobble for individual basket or paddle. Measurement of individual paddle speed of rotation (rpm) is possible from the video itself. Proper centering of vessels and shafts can be checked. Software is able to warn a user about status of a run. Once the system is installed, it will run almost automatically.

Without an analyst's presence, strategically placed cameras and corresponding software can greatly improve monitoring of dissolution test conditions and/or potential failure analysis. Specifically:

- Positive dosage from introduction
- Positioning of the dosage from (center, off-center)
- Hydrodynamics within the dissolution vessel
- Particle behavior
- Proper deaeration of dissolution media
- Vessel visibility of light-sensitive products
- Sampling timing and position
- Aberrant data investigation
- Documentation of uncharacteristic behavior

With an optional, easy-to- install amber shield around the bath and adaptive LED illumination (produces amber light), it is an ideal system to test light-sensitive products and prevent photo degradation of the active drug. The cameras deliver a solution for better visibility that eliminates the need for special laboratory lighting or other measures that would inhibit traditional observation of the amber dissolution vessels. An innovative homogenous illumination lighting system provides enough quality light for good quality videos for future post-processing

Adding this capability to your laboratory dissolution environment offers important insight at each stage of the pharmaceutical product development process. Whether during formulation optimization, method development, or stability or routine QA/QC testing, observation and recording of the dissolution test itself provides an ideal mechanism for additional information gathering.

A system such as this could be utilized to evaluate how unexpected results are obtained, or periodically, to assess dosage form performance. Either way, failure investigations are expedited with an increasing amount of evidence available and the dissolution data is enhanced with supplemental images or videos.

dissoGUARD® Ordering Information

CS-DG11-1301A	dissoGuard, 7 cameras, External camera, Standard dissoGUARD Software
CS-DG11-1301B	dissoGuard, 6 cameras, External camera, Standard dissoGUARD Software
CS-DG11-1301C	dissoGuard , 8 cameras, External camera, Standard dissoGUARD Software
CS-DG11-1302A	dissoGuard for Hanson Classic 6, 6 cameras, External camera, Standard dissoGUARD Software
CS-DG11-1331	PRO upgrade (Software)
Agilent	
CS-DG11-1311	Conversion kit to fit dissoGuard for Agilent 708DS/709DS
CS-DG11-1341	Add-on for 709-DS, contains new cover and vessel protective shields
CS-DG11-1352	Bath Shield for 708DS for light sensitive drugs
Hanson	
CS-DG11-1312	Conversion kit to fit dissoGuard for Hanson Vision Classic 6
CS-DG11-1313	Conversion kit to fit dissoGuard for Hanson Vision G1/G2 Elite 8 G1/G2
CS-DG11-1315	Conversion kit to fit dissoGuard for Hanson SR8-Plus
Distek	
Conversion kit to fit dissoGuard for Distek 2500 and Distek Symphony 7100 (under construction)	

Dissolution Media Concentrates



Part No.	Description
CS-DMC018-10	Trisodium phosphate/HCl Conc. pH 6.8, dilute 1 to 10
CS-DMC019-10	Disodium Phosphate/Citric acid, pH 6.8, 10L dilute to 50L
CS-DMC020-06	Hydrochloric Acid 0.01N, dilute to 6L
CS-DMC020-10	Hydrochloric Acid 0.01N, dilute to 10L
CS-DMC020-25	Hydrochloric Acid 0.01N, dilute to 25L
CS-DMC021-06	Hydrochloric Acid 0.1N, dilute to 6L
CS-DMC021-10	Hydrochloric Acid 0.1N, dilute to 10L
CS-DMC021-25	Hydrochloric Acid 0.1N, dilute to 25L
CS-DMC022-06	Acetate Buffer pH 4.5, dilute to 6L
CS-DMC022-10	Acetate Buffer pH 4.5, dilute to 10L
CS-DMC022-25	Acetate Buffer pH 4.5, dilute to 25L
CS-DMC023-06	Potassium Phosphate pH 5.8, dilute to 6L
CS-DMC023-10	Potassium Phosphate pH 5.8, dilute to 10L
CS-DMC023-25	Potassium Phosphate pH 5.8, dilute to 25L
CS-DMC024-06	Potassium Phosphate pH 6.0, dilute to 6L
CS-DMC024-10	Potassium Phosphate pH 6.0, dilute to 10L
CS-DMC024-25	Potassium Phosphate pH 6.0, dilute to 25L
CS-DMC025-06	Potassium Phosphate pH 6.8, dilute to 6L
CS-DMC025-10	Potassium Phosphate pH 6.8, dilute to 10L
CS-DMC025-25	Potassium Phosphate pH 6.8, dilute to 25L
CS-DMC025-250	Potassium Phosphate pH 6.8, 25L to dilute to 250L
CS-DMC026-06	Potassium Phosphate pH 7.2, dilute to 6L
CS-DMC026-10	Potassium Phosphate pH 7.2, dilute to 10L
CS-DMC026-25	Potassium Phosphate pH 7.2, dilute to 25L
CS-DMC027-06	Potassium Phosphate pH 7.4, dilute to 6L
CS-DMC027-10	Potassium Phosphate pH 7.4, dilute to 10L
CS-DMC027-25	Potassium Phosphate pH 7.4, dilute to 25L
CS-DMC028-06	Potassium Phosphate pH 7.5, dilute to 6L
CS-DMC028-10	Potassium Phosphate pH 7.5, dilute to 10L
CS-DMC028-25	Potassium Phosphate pH 7.5, dilute to 25L
CS-DMC029-06	Sodium Lauryl Sulfate 0.50%, dilute to 6L
CS-DMC029-10	Sodium Lauryl Sulfate 0.50%, dilute to 10L
CS-DMC030-06	Simulated Gastric Fluid (without enzyme), dilute to 6L
CS-DMC030-10	Simulated Gastric Fluid (without enzyme), dilute to 10L
CS-DMC030-25	Simulated Gastric Fluid (without enzyme), dilute to 25L
CS-DMC031-06	Simulated Intestinal Fluid (without enzyme), dilute to 6L
CS-DMC031-10	Simulated Intestinal Fluid (without enzyme), dilute to 10L
CS-DMC031-25	Simulated Intestinal Fluid (without enzyme), dilute to 25L
CS-DMC034-25	Sodium Phosphate pH 6.8, dilutes to 25L
CS-DMC035-25	Citrate Buffer, pH 4.8, dilute to 25L
CS-DMC039-25	Potassium Phosphate pH 6.5, dilute to 25L
CS-DMC043-06	Sodium Phosphate pH 7.4, dilute to 6L
CS-DMF560-5L	FASSIF5, Phosphate buffer pH 6.5, 5L ready to use

Dissolution Media Concentrates

Dissolution Equipment Accessories offers a complete line of Dissolution Media Concentrates. Diluting the concentrate by simply adding purified water, you will create "ready to use" dissolution media within a few minutes.

Our pre-mixed concentrates significantly reduce the amount of time and expenses required of preparing dissolution media. The preparation of dissolution media is a time consuming procedure on a daily basis; by using the dissolution media concentrates you will eliminate this by reducing the preparation time by up to 75%, so laboratory analysts/chemists can focus on performing more valued added activities.

All dissolution media concentrates are available in convenient sizes, which can be used to produce 6L, 10L or 25L dissolution media. This makes it the ideal solution for pharmaceutical research, formulation and quality control laboratories. The small bottle sizes will reduce storage space requirements and lowers freight charges.

All dissolution media concentrates are produced from raw materials in accordance with USP/EP/BP/JP guidelines under validated processes. DA dissolution media concentrates are high quality products to deliver consistent and reproducibility results.

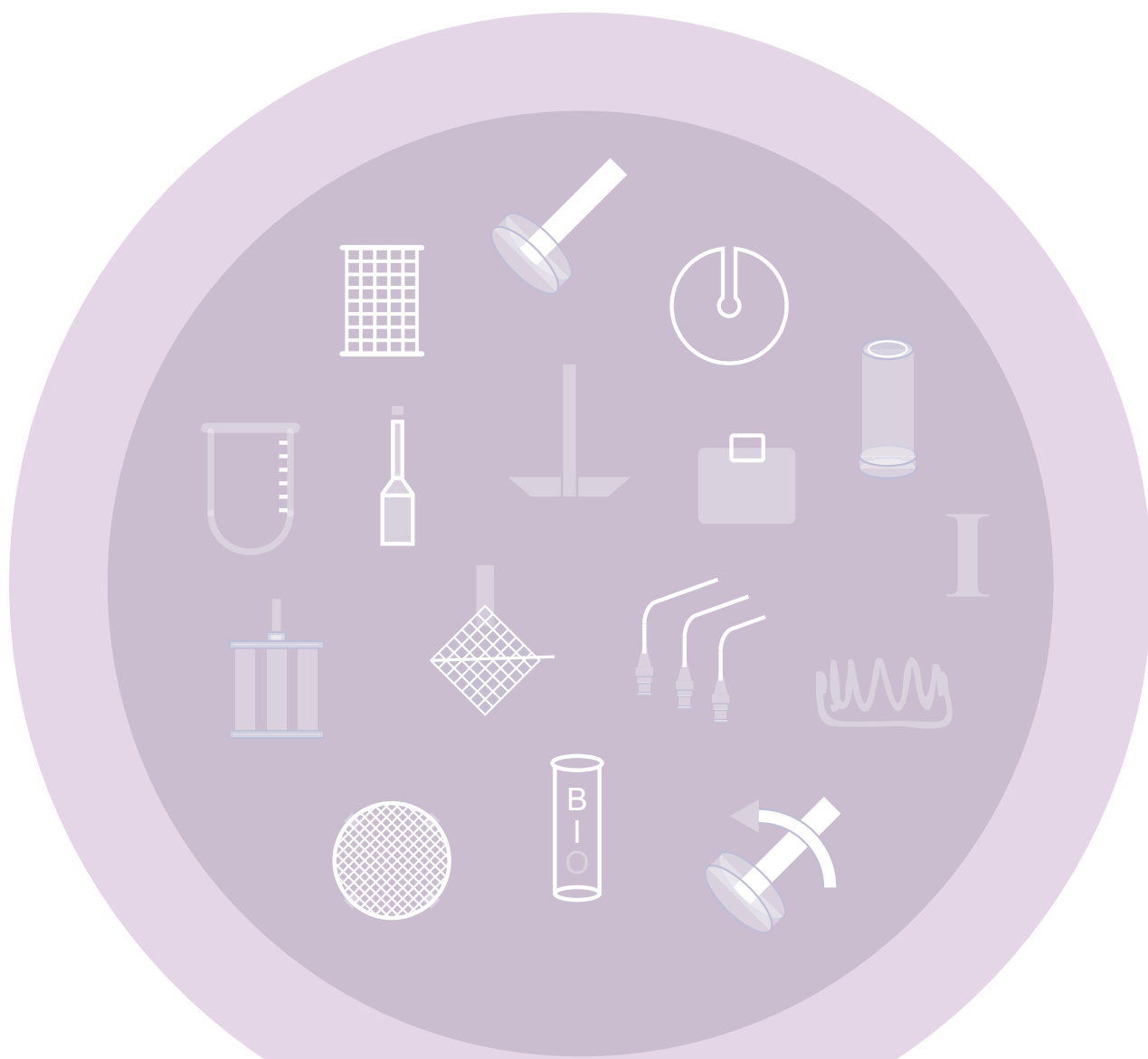


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