DISSOLUTION ACCESSORIES

Dissolution Consumables & Accessories - Edition 4

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Dissolution Accessories

Dissolution Accessories

Dissolution Accessories is a ProSense B.V. brand. ProSense B.V. is a privately owned, independent company established in 1997. We are committed to provide customers with smart and easy to use products, comprehensive technical support and service.

Knowledge partner

Dissolution Accessories fulfils the various needs of the dissolution industry by carrying a full line of consumables and accessories for various brands and models of dissolution testing machines. We have standard and custom solutions for testing of solid and semi-solid dosage forms. Our close cooperation with the industry, allows us to bring innovative solutions to our customers.

Research and Manufacturing

ProSense B.V. has a R&D department equipped with the latest instruments for prototyping. With our global manufacturing facilities we employ advanced manufacturing techniques to ensure every product shipped meets the highest standards of quality and consistency.
All of our products are USP, EP, BP, and JP compliant. Our products fit the original OEM and are standard supplied with a Certificate of Compliance or Certificate of Conformity.
All our products, where applicable and necessary, are laser marked with a unique serial number for easy identification.

OEM Manufacturers

Agilent | Caleva | Distek | Electrolab | Erweka

Hanson Teledyne | Pharmatest | Sotax | Zymark

ProSense
LABORATORY & PROCESS EQUIPMENT

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Table of Contents

Baskets	2
Felodipine Test Basket	9
Basket Shafts	10
Spin Shafts (Interchangeable)	12
Basket Shaft/Paddle holder	13
Paddles	14
Capsule Sinkers	16
Vessels High Precision	20
Vessels Chinese Small Volume	25
Vessel Low Volume kits	27
Vessels Standard	31
Vessel Covers	38
Vessel Stands	40
Cannula Filters	41
Syringe Filters	47
Syringe Filters Automation	51
Sampling Cannula	53
Topical and Transdermal Testing	59
Paddle over Disk	59
Suspension Cups	59
PolySulfone Membranes	59
Enhancer Cell	60
Ointment Cell	62
Extraction Cell	62
Rotating Cylinders	63
Vertical Diffusion Cell	64
Bio dissolution Accessories	66
ASTM Calibration Tools	68
Calibration Tools	69
Volumetric Flasks	73
Tapped Density Cylinders	73
Volumetric Flasks ASTM/USP	74
Intrinsic Dissolution	75
Disintegration	76
Tubing	78
Fittings & Couplings	79
Water Preservative	80
Service Parts	81
Dissolution Surveillance System	83
Dissolution Media Concentrates	86
Chromatography Vials & Caps	87
Headspace Vials	95
VOA Vials	96

Baskets

Agilent Compatible Baskets

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

PSSTABSK-10	Stationary Basket Assembly with Basket Shaft and 10 Mesh Basket	12-2061
PSSTABSK-20	Stationary Basket Assembly with Basket Shaft and 20 Mesh Basket	12-2060
PSSTABSK-40	Stationary Basket Assembly with Basket Shaft and 40 Mesh Basket	12-2063

PSBSK010-01

PSBSK020-01

PSBSK040-01

PSBSKPTV-40

PSBSKSUP-01

PSBSK040-01G

Agilent Stationary Basket

PSSTABSK-10

PSSTABSK-20

PSSTABSK-40

USP 26 Felodipine Test Basket – See page 9

Caleva Compatible Baskets

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

PSBSKSUP-CA

PSBSK150-CA

Distek Compatible Baskets

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

PSBSK040-DKG

PSBSK010-DK

PSBSK040-DKCG

PSBSK020-DK

PSBSK400-DKC

PSBSK010-DKC

PSBSK020-DKC

PSBSK040-DKC

PSBSKSUP-DK

PSBSK040-DK

Baskets

Electrolab Compatible Baskets

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

PSBSK010-EL

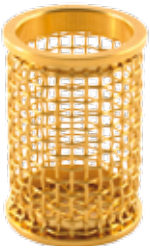
PSBSK040-EL

Erweka Compatible Baskets

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

PSBSK020-EW

PSBSK040-EW


PSBSK010-HRG

PSBSK040-HRG

Hanson Compatible Baskets

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

PSBSK020-HR

PSBSK040-HR

PSBSKPTH-40

PSBSKSUP-HR

Logan Compatible Baskets

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

Pharmatest Compatible Baskets

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

Sotax Compatible Baskets

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

Zymark Compatible Baskets

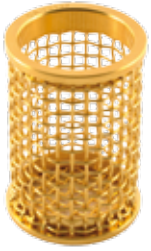
Part No.	Description	OEM Ref
PSBSK040-ZM	40 Mesh Stainless Steel Basket	63127
PSBSK040-ZM2	40 Mesh Precision Length Stainless Steel Basket	–

PSBSK010-PT

PSBSK020-PT

PSBSK040-PT

PSBSKSUP-PT


PSBSK010-PTG

PSBSK010-ST

PSBSK020-ST

PSBSK040-ST

PSBSK400-ST

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
PSBSK040-DEM	Dabigatran Etexilate Mesylate, 40 mesh, Stainless Steel	–
Part No.	**Description Basket Shafts**	**OEM Ref**
PSBSKSHT-16DEM	16” suited for Hanson Research SR6/ SR8	–
PSSPNBSK-HRDEM	Spin On/Off suited for Hanson Vision	–
PSBSKSHT-DKDEM	16.5” suited for Distek	–
PSBSKSHT-19DEM	19” suited for Agilent	–
PSSPNBSK-01DEM	Spin On/Off suited for Agilent	–
PSBSKSHT-AT7DEM	Suited for Sotax AT7	–
PSBSKHUB-DEM	Basket adapter for Distek, DEM	–

PSBSK040-DEM

PSBSKSHT-16DEM

Mini baskets

For small volume applications.

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

PSMINBSK-40

PSMINBSHT-01

PSMINBSHT-DK

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
PSGNGBSK-UN	Go-no go tool for baskets, Universal	–

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
PSBSKHLD-12	Stackable Dissolution Basket Holder, 12 Position	–

Felodipine Test Basket

Felodipine Stationary Basket

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

Compatible Vessel Covers (See page 30)

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

Stationary Basket Spacer (See page 53)

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

PSSTABQUADF-ASTRA

PSSTABQUADW-ASTRA

PSDEPSET-SB

Basket Shafts

Agilent Compatible Basket Shafts

Part No.	Description	OEM Ref
PSBSKSHT-13	14,5" (330mm) Spring Clip Style Basket Shaft	12-2073; 13-3615
PSBSKSHT-15	15" (380mm) Spring Clip Style Basket Shaft	12-2070
PSBSKSHT-15G	15" (380mm) Gold plated lower 6", Spring Clip Style Basket Shaft	12-2085
PSBSKSHT-15C	15" (380mm) Spring Clip Style Conical Basket Shaft	12-2075
PSBSKSHT-15CO	15" (380mm) O-Ring Style Conical Basket Shaft	12-2050
PSBSKSHT-19	19" (480mm) Spring Clip Style Basket Shaft	12-2080
PSBSKSHT-19G	19" (480mm) Gold plated lower 6", Spring Clip Style Basket Shaft	12-2086
PSBSKSHT-19C	19" (480mm) Clip style Conical Basket Shaft	12-2081
PSBSKSHT-19CO	19" (480mm) O-Ring style Conical Basket Shaft	12-2056
PSBSKSHT-21	21" (530mm) Clip style Basket Shaft	–
PSBSKSHT-24	24" (610mm) Clip style Basket Shaft	12-2095; 13-3629

PSBSKSHT-15C

PSBSKSHT-15CO

PSSHFT16.5-DK

Distek Compatible Basket Shafts

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

PSBSKHUB-DK

PSBSKCLP-DK

PSBSKHUB-DKC

Electrolab Compatible Basket Shafts

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

Erweka Compatible Basket Shafts

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

PSBSKHUB-EW

Hanson Compatible Basket Shafts

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

PSBSKSHT15

PSBSKSHT-15G

Pharmatest Compatible Basket Shafts

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

PSBSKSHT-AT7

Sotax Compatible Basket Shafts

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

PSBSKHUB-ST

Zymark Compatible Basket Shafts

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

PSBSKSHT-ZM2

Spin Shaft Accessories

Agilent Spin Shaft (Interchangeable) Accessories

Part No.	Description	OEM Ref
PSSPNSHT13-01	Spin ON/OFF 14.5" (370mm) Shaft For V-Series (when fully assembled) 316S.S.	–
PSSPNSHT15-01	Spin ON/OFF 15" (380mm) Shaft (when fully assembled) 316S.S.	12-1400; 13-3612
PSSPNSHT19-01	Spin ON/OFF 19" (480mm) Shaft (when fully assembled) 316S.S.	12-1401
PSSPNBSK-01	Spin ON/OFF Spring Clip Style Basket Shaft, 316S.S.	12-1430; 13-3631
PSSPNRNG-01	Spin ON/OFF O-Ring Style Basket Shaft, 316S.S.	12-1431; 13-3632
PSSPNBSK-ZM2	Spin ON/OFF Double O-Ring Style Conical Basket Shaft, 316S.S.	–
PSSPNMINBSK-01	Mini Spin-Basket Shaft, 316S.S.	12-3636
PSSPNEPD-01	Spin ON/OFF Electropolished 316S.S. Paddle	12-1421; 13-3603; 14-3603
PSSPNNPD-01	Spin ON/OFF PTFE Coated Paddle 316S.S.	12-1420; 13-3602; 14-3602
PSSPNTPD-01	Spin ON/OFF Solid PTFE Paddle	–
PSMINEPD-01	Mini Spin-Paddle, 316S.S.	12-1443
PSMINPCSV-01	Mini Spin-Paddle, Chinese Small Volume (CSV) 316S.S.	–
PSSPNAPP6-01	Spin ON/OFF USP APP 6 Rotating Cylinder for Transdermal Patches, Electropolished 316S.S.	12-1371
PSSPNAPP6-01L	Spin ON/OFF USP APP 6 Long Rotating Cylinder for Transdermal Patches, Electropolished 316S.S	–

PSSPNSHT-13

PSSPNBSK-01

PSSPNRNG-01

PSSPNBSK-ZM2

PSMINEPD-01

PSSPNEPD-01

PSSPNNPD-01

PSMINEPD-HR

Hanson Spin Shaft (Interchangeable) Accessories

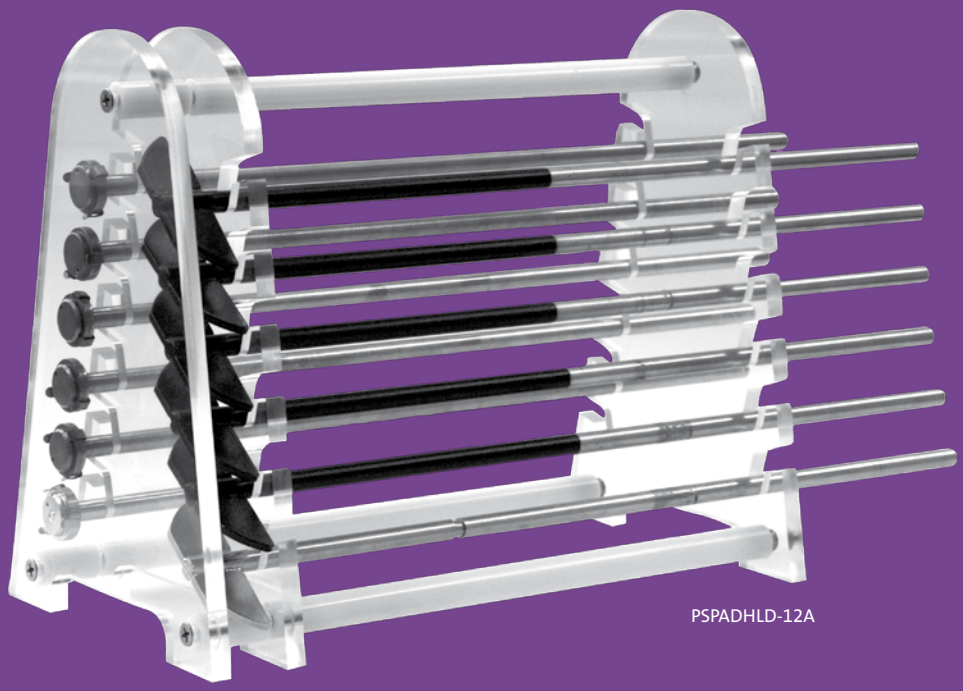
Part No.	Description	OEM Ref
PSSPNSHT16-HR	Spin ON/Off 16" (405mm) Shaft (when fully assembled) 316S.S.	74-104-445
PSSPNBSK-HR	Spin ON/Off Spring Clip Style Spin Basket Shaft, 316S.S.	74-105-251
PSSPNRNG-HR	Spin ON/OFF O-Ring Style basket Shaft, 316SS	–
PSSPNEPD-HR	Spin ON/Off Electropolished Spin paddle,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



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
PSPADHLD-12A	Basket Shaft/Paddle Rack, 12 Position	–
PSPADHLD-16A	Basket Shaft/Paddle Rack, 16 Position	–
PSPADHLD-ST	Basket Shaft/Paddle Rack for Sotax, 16 positions	–

Paddles

Agilent Compatible Paddles

Part No.	Description	OEM Ref
PSEPD013-01	14.5" (370mm) Electropolished Paddle 316S.S. for 7025/7030 series	12-1035; 13-3590
PSEPD015-01	15" (380mm) Electropolished Paddle 316S.S. for 7000/7010 series	12-1030
PSEPD019-01	19" (485mm) Electropolished Paddle 316S.S. for 7000/7010/705/708/709-DS series	12-1040
PSEPD021-01	21" (530mm) Electropolished Paddle 316S.S. for 7000/7010/705/708/709-DS series	–
PSEPD024-01	24"(610mm) Electropolished Paddle 316S.S. for 7000/7010/705/708/709-DS series	12-1318; 12-1045; 13-3597
PSNPD013-01	14.5" (370mm) PTFE Coated Paddle 316S.S. for 7025/7030 series	12-1005; 13-3589
PSNPD015-01	15" (380mm) PTFE Coated Paddle 316S.S. for 7000/7010 series	12-1000
PSNPD019-01	19" (485mm) PTFE Coated Paddle 316S.S. or 7000/7010/705/708/709-DS series	12-1010

PSSHFT165-DK

Distek Compatible Paddles

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

PSTUMSCR-DK	Thumb Screw for Distek Compatible Paddle Shafts	2821-0094

PSPDLBLD-DK

PSTUMSCR-DK

Electrolab Compatible Paddles

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

PSSPNEPD-PT

Erweka Compatible Paddles

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

PSPADHUB-EW

Hanson Compatible Paddles

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

PTFE Coated Paddle
(PSNPD series)

Logan Compatible Paddles

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

Solid PTFE Paddle
(PSTPD series)

Pharmatest Compatible Paddles

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

Polished Stainless Steel Paddle
(PSEPD series)

Sotax Compatible Paddles

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

PSPADHUB-ST

PSEPDCSV-AT7

Capsule Sinkers

Basket Sinkers

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

PSCUSBSK-JP

PSBSK008-01

PSBSK008-JP

PSCUSBSK-ALF

Pronged Sinkers

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

PSSNK008-VK

PSSNK080-VK

PSSNK010-VK

PSSNK040-VK

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
PSCAPWHT-S99	O-Ring Sinker, 316S.S.	8399

PSCAPWHT-VK / PSMAGWHT-VK

PSCAPWHT-SV

PSCAPWHT-S99

Metformin Hydrochloride vertical sample holder

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

PSVERTHLD-500

PSVERTHLD-750

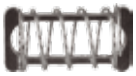
Spiral Sinkers

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

PSCAPWHT-TR

PSCAPWHT-PC

PSCAPWHT-US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PSCAPWST-18

PSCAPWST-19

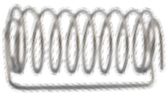
PSCAPWST-23

PSCAPWST-31

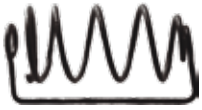
PSCAPWHT-02

PSCAPWHT-04

PSCAPWHT-2S


PSCAPWHT-4HT

PSCAPWHT-4S


PSCAPWHT-LG

PSCAPWHT-XL

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

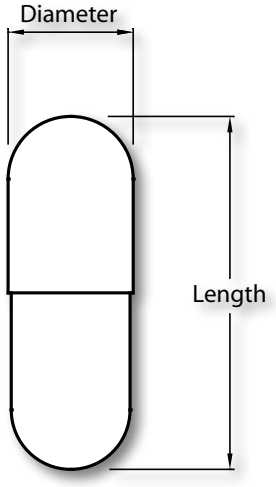
Capsule Sinkers

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

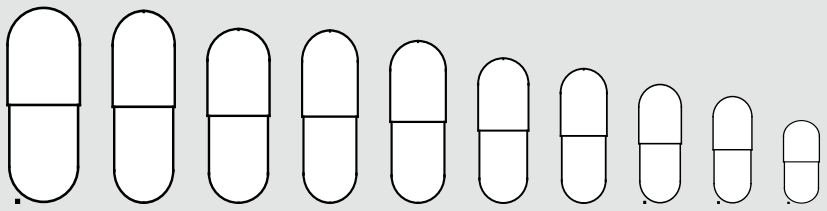
CAPSULES

Capsule Size	Length (inches)	Length (mm)	Diameter (inches)	Diameter (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 (inches)	Inside Length (mm)	Wire Diameter (inches)	Wire Diameter (mm)	Max Capsule Size
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



Capsules shown at actual size



High Precision Dissolution Vessels

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

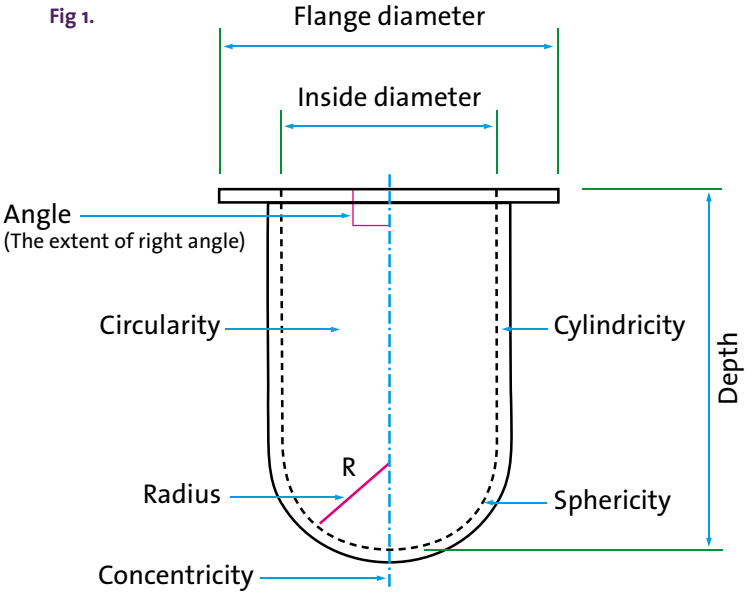
These vessels are available in most common dimensions in Clear Glass, Amber, Peak or Teflon coated.
The vessels are adapted to every brand and work without the need of any separate adapter bracket, they fit directly in your Dissolution instrument regardless the manufacturer! **No AccuCenter Vessel Centering 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.

Fig 1.



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 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 Accessories provides the vessels at affordable price, in spite of its elaborate glass processing. Please contact us for more info.

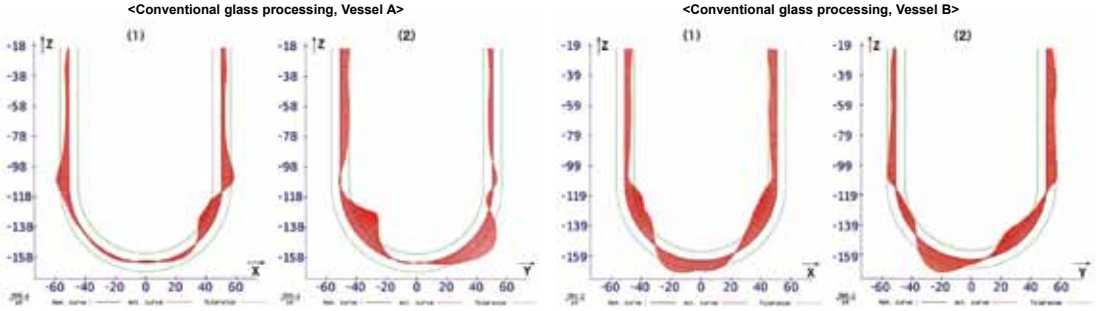
Observations of vessel interior form

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

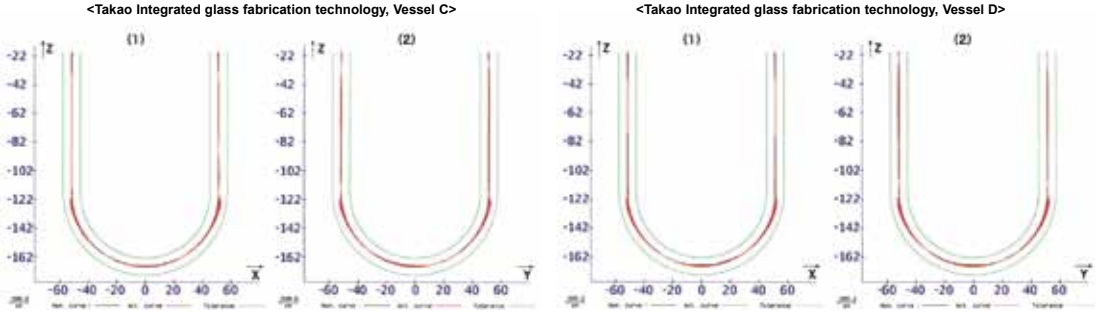


Fig.1 Comparison of deviation from the ideal interior form of the vessel between the two kinds of glass vessels manufactured by conventional glass processing and an integrated fabrication technology The center line between the two green lines indicates the ideal interior form of the vessel. The red zone indicates the actual deviation of the interior form of the vessel from its ideal interior form. The green lines indicate the ideal interior form ±0.3mm. 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).

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.

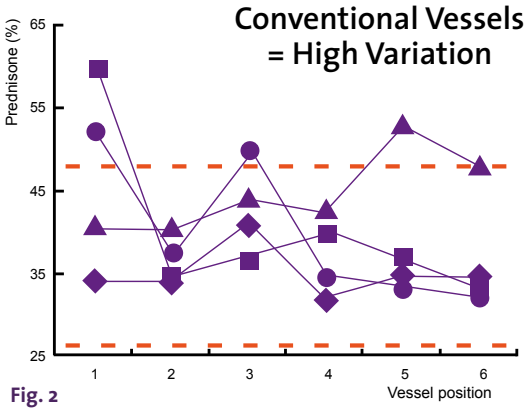


Fig. 2

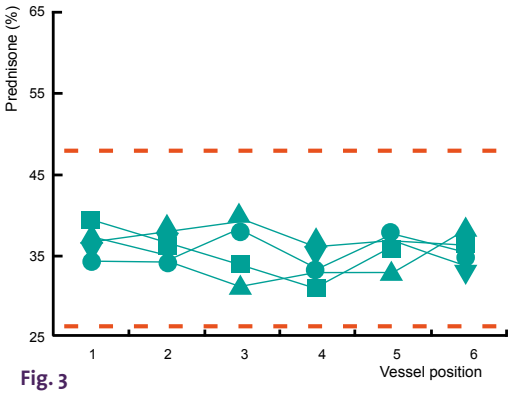


Fig. 3

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
PSHPGLA900-01	High Precision Clear glass 1000ml vessel
PSHPGLA900-A01	High Precision Amber glass 1000ml vessel
PSHPGLA900-VK	High Precision Clear glass 1000ml vessel
PSHPGLA900-AVK	High Precision Amber glass 1000ml vessel
PSHPGLA900-TA	High Precision Clear glass 1000ml vessel
PSHPGLA900-ATA	High Precision Amber glass 1000ml vessel

Copley Compatible Vessels

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

Distek Compatible Vessels

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

Electrolab Compatible Vessels

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

Erweka Compatible Vessels

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

High Precision Vessels

Hanson Compatible Vessels

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

Logan Compatible Vessels

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

Pharmatest Compatible Vessels

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

Sotax Compatible Vessels

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

Toyama Compatible Vessels

Part No.	Description
PSHPGLA900-TO	High Precision Clear glass 1000ml vessel
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
PSCSV250-01	250ml Clear Glass vessel	–
PSCSV250-A01	250ml Amber Glass vessel	–
PSCOVERV-01	Low evaporation cover with Cannula Hole	–
PSCSVASSY-TC	Magnet Conversion Adapter	–
PSCSVEPD-01	Spin on/off mini paddle, 316S.S.	–

PSCSV250-01

PSCSV250-A01

Agilent Compatible for 708-DS Systems

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

PSCSV250-TA

Distek Compatible Vessels

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

PSCSV250-DK

Erweka Compatible Vessels

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

PSCSVEPD-01

Chinese (CSV) Vessel

Hanson Compatible for SR6/SR8

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

PSCSV250-HR

Hanson Compatible for Vision Systems

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

PSCSV250-HRV
WITH EASI-LOCK ADPATER
AND VESSEL COVER

Sotax Compatible for AT7

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

PSCSV250-ST

PSCSVEPD-ST

Sotax Compatible for XTend

Part No.	Description	OEM Ref
PSCSV250-STX	250ml Clear Glass Vessel	14536-01
PSCSV250-ASTX	250ml Amber Glass Vessel	9650-2
PSCSVEPD-ST	CSV Spin paddle	9656

PSCSV250-STX

Low Volume Vessels, Conversion Kits

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

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

PSKIT100-VK

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

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

PSKIT200-VK

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

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

PSKIT100-01

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

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

PSKIT200-01

Low Volume Vessels, Conversion Kits

Agilent 100ml suited for 708-DS Dissolution System

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

PSKIT100-TA

Agilent 200ml suited for 708-DS Dissolution System.

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

PSKIT200-TA

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

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

PSKIT100-DK

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

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

PSKIT200-TA

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

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

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

Part No.	Description	OEM Ref
PSKIT400-EWLH	Kit includes;	22399
PSGLA400-EW	400ml Clear glass vessel	18373
PSSMVASSY-EW	Small Volume Vessel Conversion Adapter	–
PSCOVERV-LL400	Low evaporation cover with Cannula Hole	–
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
PSKIT400-EWHH	Kit includes;	22398
PSGLA400-EW	400ml Clear glass vessel	18373
PSSMVASSY-EW	Small Volume Vessel Conversion Adapter	–
PSCOVERV-LL400	Low evaporation cover with Cannula Hole	–
PSMINEPD-EWHH	Spin on/off mini paddle, 316S.S., HH	–

Low Volume Vessels, Conversion Kits

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

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

PSKIT150-HR

PSMINEPD-HR

Hanson 150ml suited for Vision Dissolution System.

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

PSKIT150-HRV

Sotax Mini vessels for AT systems.

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

PSMINEPD-HR

Standard Vessels

Agilent Compatible Vessels

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

Agilent Compatible Vessels

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

Collar Centering Ring Vessel PSCNTRNG-VK

PSGLA900-VKC

PSGLA900-VK

PSGLA900-AVK

PSGLA9PK-VK

PSGLA9PK-01

PSGLA900-01

PSGLA900-A01

Standard Vessels

Agilent Compatible Vessels

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

Centering bracket

PSEZLBKT-01

Agilent Compatible Vessels

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

centering ring mounted to the vessel

PSGLA900-TA

Caleva Compatible Vessels

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

PSGLA900-CA

PSGLA900-ACA

Copley Compatible Vessels

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

PSGLA900-CO

PSGLA900-ACO

Distek Compatible Vessels

Part No.	Description	OEM Ref
PSGLA200-DK	200 ml Clear Glass Vessel	3100-0095
PSGLA200-ADK	200 ml Amber Glass Vessel	3100-0095-AMB
PSCSV250-DK	250 ml Clear Glass Vessel, Chinese Pharmacopeia	3010-0090
PSCSV250-ADK	250 ml Amber Glass Vessel, Chinese Pharmacopeia	–
PSGLA500-DK	500 ml Clear Glass Vessel	3010-0040
PSGLA500-ADK	500 ml Amber Glass Vessel	3010-0040-AMB
PSGLA900-DK	1000 ml Clear Glass Vessel	3010-0069
PSGLA900-ADK	1000 ml Amber Glass Vessel	3010-0023
PSGLA900F-DK	1000ml Clear Glass Vessel, Flat bottom	3010-0022
PSGLA905F-ADK	1000ml Amber Glass Vessel, Flat bottom	–
PSGLA9CR-DK	1000 ml Clear Glass Vessel with Acculign Ring	3010-0093
PSGLA9CR-ADK	1000 ml Amber Glass Vessel with Acculign ring	3010-0093-AMB
PSGLA9PK-DK	1000 ml Clear Glass Vessel, Peak	3010-0550
PSGLA9PK-ADK	1000 ml Amber Glass Vessel, Peak	3010-0550-AMB
PSGLA900-DKT	1000 ml Clear Glass Vessel, Teflon Coated with Acculign Ring	3010-0002-T
PSGLP900-DK	1000 ml Clear Glass Vessel, Premier	3010-0096
PSGLP900-ADK	1000 ml Amber Glass Vessel, Premier	3010-0096-AMB
PSGLP900-DKT	1000 ml Clear Glass Vessel, Premier, Teflon Coated	3010-0096-T
PSPLA900-DK	1000 ml Clear Plastic Vessel	3350-0095
PSPLA900-ADK	1000 ml Amber Plastic Vessel	3350-0095-AMB
PSGLA02K-DK	2000 ml Clear Glass Vessel with Acculign Ring	3010-0285
PSGLA02K-ADK	2000 ml Amber Glass Vessel with Acculign Ring	3010-0327-AMB
PSGLA2KPK-DK	2000 ml Clear Glass Vessel, Peak	–
PSGLA2KPK-ADK	2000 ml Amber Glass Vessel, Peak	–
PSGLA04K-DK	4000 ml Clear Glass Vessel with Acculign Ring	3010-0286
PSGLA04K-ADK	4000 ml Amber Glass Vessel with Acculign Ring	3010-0286-AMB
PSGLA4KPK-DK	4000 ml Clear Glass Vessel, Peak	–
PSGLA4KPK-ADK	4000 ml Amber Glass Vessel, Peak	–

PSRING01-DK	(Acculign Ring) Plastic Centering Ring	3350-0096
PSVSCLIP-DK	Vessel Hold Down Clip (for 6300 and 2100 Series)	2821-0257

PSGLA900-DK

PSGLA900-ADK

PSGLA9PK-DK

PSGLA9CR-ADK

PSPLA900-DK

PSPLA900-ADK

PSGLA02K-DK

PSGLA500-DK

PSGLA200-DK

PSRING01-DK

PSVSCLIP-DK

Standard Vessels

Electrolab Compatible Vessels

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

PSGLA900-EL

PSGLA900-AEL

PSGLA900-EW

PSGLA900-AEW

Erweka Compatible Vessels

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

PSCNTRNG-EW	Centering Ring for Erweka Vessel	84-060-3000

PSGLA02K-EW

PSPLA900-EW

PSCNTRNG-EW

Hanson Compatible Vessels SR6-SR8

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

PSGLA900-HR

PSGLA900-AHR

PSGLA9PK-HR

PSGLA500-HR

PSGLA02K-HR

PSPLA900-HR

Hanson Compatible Vessels for Vision

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

PSGLA900-HRV

PSGLA9PK-HRV

Standard Vessels

Logan Compatible Vessels

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

PSGLA900-LG

PSGLA900-ALG

Pharmatest Compatible Vessels

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

PSGLA900-PT

PSGLA900-APT

PSPLA900-PT

PSPLA900-APT

Sotax Compatible Vessels

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

PSGLA900-ST

PSCSV250-ST

Sotax Compatible Vessels Xtend

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

PSCSV250-STX

PSGLA900-STX

Toyama Compatible Vessels

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

PSGLA900-TO

PSGLA900-ATO

Zymark Compatible Vessels

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

PSCNTRNG-ZM	Multidose Centering Ring	69606

PSGLA900-ZM

PSGLA900-AZM

Flange Protection Ring

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

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.

Vessel covers

Agilent Compatible Vessel Covers

Part No.	Description	OEM Ref
PSCOVERV-00	Low Evaporation Rotary Cover, 0.31" (7.9mm) Cannula Hole Diameter	–
PSCOVERV-01	Clear Cover with Paddle Slot, 0.31" (7.9mm) Cannula Hole Diameter	12-6300
PSCOVERV-02	Amber Cover with Paddle Slot, 0.31" (7.9mm) Cannula Hole Diameter	12-6320
PSCOVERV-03	Clear Solid Cover	12-6330
PSCOVERV-04	Clear Evaporation Cover for Dosage Delivery Module, 0.31" (7.9mm) Cannula Hole Diameter	12-6310
PSCOVERV-HG	Clear Low Evaporation Hinged Cover, 0.31" (7.9mm) Cannula Hole Diameter	–
PSCOVERV-LL	Low Loss Evaporation Cover, Conical Shape, 0.78" (19.8mm) Cannula Hole Diameter	12-0469
PSCOVERV-LLHG	Low Loss Evaporation Hinged Cover, Conical Shape, 0.78" (19.8mm) Cannula Hole Diameter	12-6328
PSCOVERV-LLSB	Stationary Basket Apparatus Low Loss Evaporation Hinged Cover, Conical Shape	–
PSCOVERV-LLVS	Low Loss Evaporation Hinged Cover, Conical Shape, 0.78" (19.8mm) Cannula Hole Diameter	12-6327
PSCOVERV-LL200	Mini Vessel Cover, Conical, Low Loss for 200ml vessel	–
PSCOVHGV-SB	Clear Stationary Basket Apparatus Hinged Cover	–
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
PSCOVERD-00	Low Evaporation Rotary Cover, 0.53" (13.5mm) Cannula Hole Diameter	–
PSCOVERD-01	Clear Hinged Cover, 0.53" (13.5mm) Cannula Hole Diameter	3250-0089
PSCOVERD-02	Amber Hinged Cover, 0.53" (13.5mm) Cannula Hole Diameter	–
PSCOVERD-BK	Clear Hinged Cover with Large Centre Hole for Easy Basket Access, 0.53" (13.5mm) Cannula Hole Diameter	3250-0070; 2800-0870
PSCOVERD-ABK	Amber Hinged Cover with Large Centre Hole for Easy Basket Access, 0.53" (13.5mm) Cannula Hole Diameter	–
PSCOVERD-HG	Clear Low Evaporation Hinged Cover, 0.53" (13.5mm) Cannula Hole Diameter	–
PSCOVDHG-SB	Clear Stationary Basket Apparatus Hinged Cover	3250-0081
PSCOVPLG-7D	7th Position Cover Plug	3350-0109
PSCOVPLG-DK	Probe Hole Plug, pk/2	5720-4037
PSCOVCAP-DK	Clear Cap for Basket Access Cover	3250-0019; 2800-0055
PSCOVCAP-ADK	Amber Cap for Basket Access Cover	–
PSHINGE-DK	Plastic Hinge	5560-6011

Hanson Compatible Vessel Covers

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

PSCOVERD-00

PSCOVERD-01

PSCOVERD-02

PSCOVERD-BK

PSCOVERD-ABK

PSCOVERD-HG

PSCOVDHG-SB

PSCOVPLG-7D

PSCOVPLG-DK

PSCOVCAP-DK

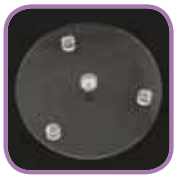
PSHINGE-DK

PSCOVERH-00

PSCOVERH-01

PSCOVERH-02

PSCOVERH-03


PSCOVERH-04

PSCOVERH-HG

PSCOVERV-00

PSCOVERV-01

PSCOVERV-02

PSCOVERV-03

PSCOVERV-04

PSCOVERV-HG

PSCOVERV-LL

PSCOVERV-LLHG

PSCOVERV-LLVS

PSCOVERV-6K

PSCOVERV-LL200

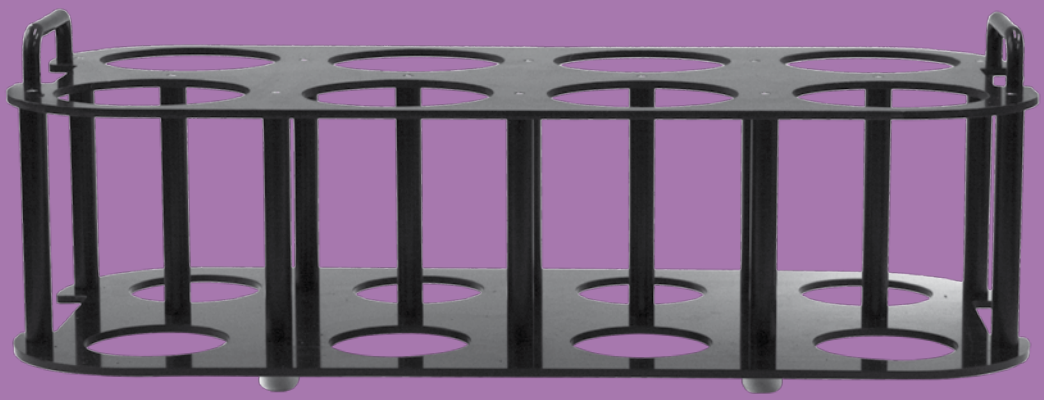
Universal Vessel Stands

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
PSVESSTD06-UN	Vessel Stand, 6 Position	–
PSVESSTD08-UN	Vessel Stand, 8 Position	–
PSVESSTD08-ST	Vessel Stand Sotax, 8 Positions	–

Filters

Dissolution 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 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 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 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 circularfilters 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.

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

PSFIL010-01-100/1000

PSFIL035-01-100/1000

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

PSFILTIP-45

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
PSFIL001-CA-100 PSFIL001-CA-1000	1µm Cannula Filters, UHMW Polyethylene	100 1000	0810100 0810101
PSFIL004-CA-100 PSFIL004-CA-1000	4µm Cannula Filters, UHMW Polyethylene	100 1000	0810103 0810104
PSFIL010-CA-100 PSFIL010-CA-1000	10µm Cannula Filters, UHMW Polyethylene	100 1000	0810106 0810107
PSFIL035-CA-100 PSFIL035-CA-1000	35µm Cannula Filters, UHMW Polyethylene	100 1000	0810142 0810143
PSFIL040-CA-100 PSFIL040-CA-1000	40µm Cannula Filters, UHMW Polyethylene	100 1000	0810097 0810098
PSFIL070-CA-100 PSFIL070-CA-1000	70µm Cannula Filters, UHMW Polyethylene	100 1000	0810145 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
PSFIL010-DK	10µm Filter Discs, UHMW Polyethylene	1000	5720-0203
PSFIL045-DK	45µm Filter Discs, UHMW Polyethylene	1000	5720-0275
PSFIL070-DK	70µm Filter Discs, UHMW Polyethylene	1000	–
PSFIL090-DK	90µm Filter Discs, UHMW Polyethylene	1000	–

Distek Filter Disc

PSFIL01S-DK-100 PSFIL01S-DK-1000	1µm Cannula Filters, 1/16” (1.6mm) ID, UHMW Polyethylene	100 1000	5720-0225-100 5720-0255-1000
PSFIL04S-DK-100 PSFIL04S-DK-1000	4µm Cannula Filters, 1/16” (1.6mm) ID, UHMW Polyethylene	100 1000	– –
PSFIL10S-DK-100 PSFIL10S-DK-1000	10µm Cannula Filters, 1/16” (1.6mm) ID, UHMW Polyethylene	100 1000	5720-0500 5720-0501
PSFIL20S-DK-100 PSFIL20S-DK-1000	20µm Cannula Filters, 1/16” (1.6mm) ID, UHMW Polyethylene	100 1000	5720-0240-100 720-0240-1000
PSFIL35S-DK-100 PSFIL35S-DK-1000	35µm Cannula Filters, 1/16” (1.6mm) ID, UHMW Polyethylene	100 1000	5720-0220-100 5720-0220-1000
PSFIL45S-DK-100 PSFIL45S-DK-1000	45µm Cannula Filters, 1/16” (1.6mm) ID, UHMW Polyethylene	100 1000	5720-0020-100 5720-0020-1000
PSFIL70S-DK-100 PSFIL70S-DK-1000	70µm Cannula Filters, 1/16” (1.6mm) ID, UHMW Polyethylene	100 1000	5720-0502 5720-0503

Distek Cannula Filter

Electrolab Compatible Cannula Filters

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

PSFIL035-EL-100/1000.

Erweka Compatible Cannula Filters

Part No.	Description	Quantity	OEM Ref
PSFIL001-EW-100	1µm Cannula Filters, UHMW Polyethylene	100	90-000-0013
PSFIL001-EW-1000		1000	90-000-0013; 18430
PSFIL004-EW-100	4µm Cannula Filters, UHMW Polyethylene	100	90-000-0023
PSFIL004-EW-1000		1000	90-000-0023; 18431
PSFIL010-EW-100	10µm Cannula Filters, UHMW Polyethylene	100	90-000-0033
PSFIL010-EW-1000		1000	90-000-0033; 18432
PSFIL020-EW-100	20µm Cannula Filters, UHMW Polyethylene	100	–
PSFIL020-EW-1000		1000	18433
PSFIL035-EW-100	35µm Cannula Filters, UHMW Polyethylene	100	–
PSFIL035-EW-1000		1000	–
PSFIL040-EW-100	40µm Cannula Filters, UHMW Polyethylene	100	–
PSFIL040-EW-1000		1000	–
PSFIL070-EW-100	70µm Cannula Filters, UHMW Polyethylene	100	–
PSFIL070-EW-1000		1000	–

Erweka Cannula Filter

Full Flow Filters

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

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
PSFIL001-HR-100 PSFIL001-HR-1000	1µm Cannula Filters, UHMW Polyethylene	100 1000	27-101-087 27-101-097
PSFIL004-HR-100 PSFIL004-HR-1000	4µm Cannula Filters, UHMW Polyethylene	100 1000	27-101-088 27-101-098
PSFIL010-HR-100 PSFIL010-HR-1000	10µm Cannula Filters, UHMW Polyethylene	100 1000	27-101-074 27-101-091
PSFIL020-HR-100 PSFIL020-HR-1000	20µm Cannula Filters, UHMW Polyethylene	100 1000	– –
PSFIL035-HR-100 PSFIL035-HR-1000	35µm Cannula Filters, UHMW Polyethylene	100 1000	27-101-085 27-101-095
PSFIL045-HR-100 PSFIL045-HR-1000	45µm Cannula Filters, UHMW Polyethylene	100 1000	27-101-089 –
PSFIL070-HR-100 PSFIL070-HR-1000	70µm Cannula Filters, UHMW Polyethylene	100 1000	27-101-082 27-101-092

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

PSFIL010-HR-100/1000

PSFIL070-HR-100/1000

PSFIL10S-HR-100/1000

Logan Compatible Cannula Filters

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

PSFIL070-01-100/1000

Pharmatest Compatible Cannula Filters

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

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
PSFIL001-ST-100 PSFIL001-ST-1000	1µm Cannula Filters, UHMW Polyethylene	100 1000	– –
PSFIL004-ST-100 PSFIL004-ST-1000	4µm Cannula Filters, UHMW Polyethylene	100 1000	– –
PSFIL010-ST-100 PSFIL010-ST-1000	10µm Cannula Filters, UHMW Polyethylene	100 1000	– –
PSFIL020-ST-100 PSFIL020-ST-1000	20µm Cannula Filters, UHMW Polyethylene	100 1000	– –
PSFIL035-ST-100 PSFIL035-ST-1000	35µm Cannula Filters, UHMW Polyethylene	100 1000	– –
PSFIL070-ST-100 PSFIL070-ST-1000	70µm Cannula Filters, UHMW Polyethylene	100 1000	– –

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
PSDSC-PS13-020-0150	0,2	150
PSDSC-PS13-045-0150	0,45	150
PSDSC-PS13-045-0150V	0,45	1500 – Value Pack

25 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-PS25-020-0150	0,2	150
PSDSC-PS25-045-0150	0,45	150
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
PSDSC-HP13-020-0150	0,2	150
PSDSC-HP13-045-0150	0,45	150
PSDSC-HP13-045-0150V	0,45	1500 – Value Pack

25mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-HP25-020-0150	0,2	150
PSDSC-HP25-045-0150	0,45	150
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
PSDSC-PB13-020-0150	0,2	150
PSDSC-PB13-045-0150	0,45	1500 – Value Pack

25 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-PB25-020-0150	0,2	150
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
PSDSC-NY13-020-0150	0,2	150
PSDSC-NY13-045-0150	0,45	150
PSDSC-NY13-045-0150V	0,45	1500 – Value Pack

25 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-NY25-020-0150	0,2	150
PSDSC-NY25-045-0150	0,45	150
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
PSDSC-PP13-020-0150	0,2	150
PSDSC-PP13-045-0150	0,45	150
PSDSC-PP13-045-0150V	0,45	1500 – Value Pack

25 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-PP25-020-0150	0,2	150
PSDSC-PP25-045-0150	0,45	150
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
PSDSC-CA25-020-0150	0,2	150
PSDSC-CA25-045-0150	0,45	150
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. Polyvinylidenefluoride 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
PSDSC-PV13-020-0150	0,2	150
PSDSC-PV13-045-0150	0,45	150
PSDSC-PV13-045-0150V	0,45	1500 – Value Pack

25 mm syringe filters

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

33 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-PV33-020-0150	0,2	150
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
PSDSC-GF13-020-0150	0,2	150
PSDSC-GF13-045-0150	0,45	150
PSDSC-GF13-045-0150V	0,45	1500 – Value Pack

25 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-GF25-020-0150	0,2	150
PSDSC-GF25-045-0150	0,45	150
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
PSDSC-RC13-020-0150	0,2	150
PSDSC-RC13-045-0150	0,45	150
PSDSC-RC13-045-0150V	0,45	1500 – Value Pack

25 mm syringe filters

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

PSDSC-RC25

Polyester (PT) membrane
13 mm syringe filters

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

25 mm syringe filters

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

PSDSC-PT25

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
PSFPL-NY25-045-050	Nylon filter Membrane	0,45µm	pk/50
PSFPL-HP25-045-050	PTFE filter Membrane	0,45µm	pk/50
PSFPL-GF25-070-050	Glass Fiber filter Membrane	0,70µm	pk/50

Automation Syringe Filters

Dissolution 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 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 designed 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
PSASC-GF25-100-1000	Glass Fiber	1,0um	1000
PSASC-GF25-200-1000	Glass Fiber	2,0um	1000
PSASC-GF25-500-1000	Glass Fiber	5,0um	1000
PSASC-NY25-045-1000	Nylon	0,45 um	1000
PSASC-NY25P1-045-1000	Nylon, GF pre-filter 1,0mm	0,45 um	1000
PSASC-NY25-020-1000	Nylon	0,2 um	1000
PSASC-NY25P1-020-1000	Nylon, GF pre-filter 1,0mm	0,2 um	1000
PSASC-PF25-045-1000	PTFE	0,45 um	1000
PSASC-PF25P1-045-1000	PTFE, GF pre-filter 1,0mm	0,45 um	1000
PSASC-PF25-020-1000	PTFE	0,2 um	1000
PSASC-PF25P1-020-1000	PTFE, GF pre-filter 1,0mm	0,2 um	1000
PSASC-MC25-045-1000	M.E. Cellulose	0,45 um	1000
PSASC-MC25P1-045-1000	M.E. Cellulose, GF pre-filter 1,0mm	0,45 um	1000
PSASC-MC25-020-1000	M.E. Cellulose	0,2 um	1000
PSASC-MC25P1-020-1000	M.E. Cellulose, GF pre-filter 1,0mm	0,2 um	1000
PSASC-PV25-045-1000	PVDF	0,45 um	1000
PSASC-PV25P1-045-1000	PVDF, GF pre-filter 1,0mm	0,45 um	1000
PSASC-PV25-020-1000	PVDF	0,2 um	1000
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
PSASC-PP25-045-1000	Hydrophile Polypropylene, GF pre-filter 1,0mm	0,45 um	1000
PSASC-PP25P1-045-1000	Hydrophile Polypropylene, GF pre-filter 1,0mm	0,45 um	1000
PSASC-PP25-020-1000	Hydrophile Polypropylene, GF pre-filter 1,0mm	0,2 um	1000
PSASC-PP25P1-020-1000	Hydrophile Polypropylene, GF pre-filter 1,0mm	0,2 um	1000
PSASC-PS25-045-1000	Polyethersulfone, GF pre-filter 1,0mm	0,45 um	1000
PSASC-PS25P1-045-1000	Polyethersulfone, GF pre-filter 1,0mm	0,45 um	1000
PSASC-PS25-020-1000	Polyethersulfone, GF pre-filter 1,0mm	0,2 um	1000
PSASC-PS25P1-020-1000	Polyethersulfone, GF pre-filter 1,0mm	0,2 um	1000
PSASC-CA25-045-1000	Cellulose Acetate	0,45 um	1000
PSASC-CA25P1-045-1000	Cellulose Acetate, GF pre-filter 1,0mm	0,45 um	1000
PSASC-CA25-020-1000	Cellulose Acetate	0,2 um	1000
PSASC-CA25P1-020-1000	Cellulose Acetate, GF pre-filter 1,0mm	0,2 um	1000
PSASC-RC25-020-1000	Regenerated Cellulose	0,2 um	1000
PSASC-RC25P1-020-1000	Regenerated Cellulose, GF pre-filter 1,0mm	0,2 um	1000
PSASC-RC25-045-1000	Regenerated Cellulose	0,45 um	1000
PSASC-RC25P1-045-1000	Regenerated Cellulose, GF pre-filter 1,0mm	0,45 um	1000
PSASC-NY25LE-020-1000	Nylon, Low extractables	0,2 um	1000
PSASC-NY25P1LE-020-1000	Nylon, Nylon, Low extractables	0,2 um	1000
PSASC-NYLE-045-1000	Nylon, Low extractables	0,45 um	1000
PSASC-NY25P1LE-045-1000	Nylon, Low extractables	0,45 um	1000

Sampling Cannula

Agilent Compatible Sampling Cannula

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

PSPROBEX-VK

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

PSCANSTP-078-31

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

PSCANSTP-142-31

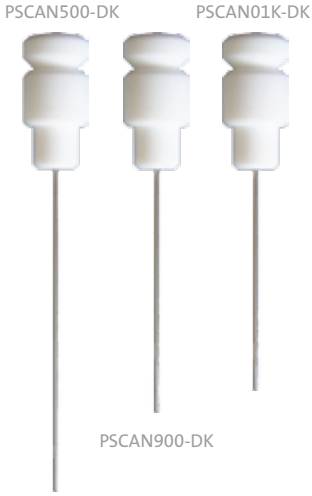
Sampling Cannula

Caleva Compatible Sampling Cannula

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

Distek Compatible Sampling Cannula

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



PSCANRET-DK

PSCANSTP-065-53

PSFILASY-DK

PSLE87-6

PSSFTL-6

PSSMTLL-6

Filters for all Cannula – See pages 41-46

Sampling Cannula

ElectroLab Compatible Sampling Cannula

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

Erweka Compatible Sampling Cannula

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

PSCANSTP-EW	Adjustable Cannula Stopper	–

Sampling Cannula

Hanson Compatible Sampling Cannula

Part No.	Description	OEM Ref
PSCAN475-HR	4.75" (120mm) Bent Stainless Steel Cannula with Luer Adapter and Permanent Tip	–
PSCAN775-HR	7.75" (195mm) Bent Stainless Steel Cannula with Luer Adapter and Permanent Tip	–
PSCAN015-HR	15" (380mm) Bent Stainless Steel Cannula, 1/8" (3.2mm) OD, 0.085" (2.2mm) ID	72-300-304
PSCAN475-SH	4.75" (120mm) Bent Stainless Steel Cannula with Luer Adapter, for 900ml Manual Sampling, 1/8" (3.2mm) OD	95-590-002
PSCAN775-SH	7.75" (195mm) Bent Stainless Steel Cannula with Luer Adapter, for 500ml Manual Sampling, 1/8" (3.2mm) OD	95-590-001
PSCAN015-SH	15" (380mm) Bent Stainless Steel Cannula with Luer Adapter, Through Head Mount, 1/8" (3.2mm) OD	95-590-003
PSCANS15-SH	15" (380mm) Straight Stainless Steel Cannula with Luer Adapter, Through Head Mount, 1/8" (3.2mm) OD	–
PSCAN475-PH	4.75" (120mm) Bent PEEK Cannula with Luer Adapter, for 900ml Manual Sampling, 1/8" (3.2mm) OD	95-590-005
PSCAN775-PH	7.75" (195mm) Bent PEEK Cannula with Luer Adapter, for 500ml Manual Sampling, 1/8" (3.2mm) OD	95-590-004
PSCAN015-PH	15" (380mm) Bent PEEK Cannula with Luer Adapter, Through Head Mount, 1/8" (3.2mm) OD	95-590-006
PSCANS15-PH	15" (380mm) Straight PEEK Cannula with Luer Adapter, 1/8" (3.2mm) OD	–
PSCANSTP-065-53	Distek/Hanson 1/16" (1.6mm) Self-Tightening Cannula Stopper for Distek Covers	–
PSCANSTP-125-31	Hanson 1/8" (3.2mm) OD Self-Tightening Cannula Stopper for VanKel Covers	–
PSCANSTP-125-53	Hanson 1/8" (3.2mm) OD Self-Tightening Cannula Stopper for Distek Covers	–
PSTUMSCR-HR	Adjustable Cannula Stopper (for use with all 15" (380mm) Cannula)	–

Hanson Compatible Sampling Cannula Vision

Part No.	Description	OEM Ref
PSCAN500-DVHR	Fixed Vessel- Mount, 500 mL, 1/16 in., 316 SS, uses Cartridge Filters type "01"	74-104-202
PSCAN900-DVHR	Fixed Vessel- Mount, 900 mL, 1/16 in., 316 SS, uses Cartridge Filters type "01"	74-104-204
PSTEFTUB16-HR6	Tubing Harness, PTFE, 3 ft, 6-Sample, 1/16 in.	60-200-706
PSTEFTUB16-HR8	Tubing Harness, PTFE, 3 ft, 8-Sample, 1/16 in.	60-200-708
PSCANSTP-775-SH	Fixed Vessel-Mount, Adjustable cannula with stopper, 1/16 in., 500 & 900 mL, SS	74-104-216/218
PSCANSTP-775-PH	Cannula, Manual Sampling, Adjustable, 1/8 in., PEEK, manual sampling, 500 & 900ml	74-104-201
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
PSCAN475-SP	120mm (4.75”) Bent Stainless Steel Cannula with Luer Adapter, for 900ml Manual Sampling	–
PSCAN775-SP	195mm (7.75”) Bent Stainless Steel Cannula with Luer Adapter, for 500ml Manual Sampling	–
PSCAN475-PP	120mm (4.75”) Bent PEEK Cannula with Luer Adapter, for 900ml Manual Sampling	–
PSCAN775-PP	195mm (7.75”) Bent PEEK Cannula with Luer Adapter, for 500ml Manual Sampling	–
PSCANSTP-PT	Adjustable Cannula Stopper	–

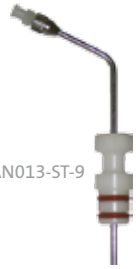
Sotax Compatible Sampling Cannula

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

PSCANSTP-ST

PSCAN013-ST

PSCAN013-ST-5


PSCAN013-ST-9

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
PSCAN500-DV	Hi-Cap High capacity sampling cannula for most dissolution baths, 500ml	–
PSCAN900-DV	Hi-Cap High capacity sampling cannula for most dissolution baths, 900ml	–
PSCAN01K-DV	Hi-Cap High capacity sampling cannula for most dissolution baths, 1000ml	–

PSCAN01K-DV

Agilent Compatible Cannula Filters (See page 32)

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

Topical and Transdermal Drug Testing

Paddle over Disk

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

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

PSAPPFIVE-HR

PSAPPFIVE-V35

PSAPPFIVE-V56

PSAPPFIVE-V80

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
PSSUSCUP-WH	Weighted holder, 5.72 cm OD, 0.52 cm ID	12-4050
PSSUSCUP-178	Insert cup, 17.5x8.2 mm, use with p/n PSSUSCUP-WH	12-4055
PSSUSCUP-208	Insert cup, 20x8.2 mm, use with p/n PSSUSCUP-WH	12-4060

PSSUSCUP-178 + weighted holder

Polysulfone Membranes for Transdermal Testing

Part No.	Description	OEM Ref
PSMDC-PS25-045-0100	Membrane filter, 0.45µm, ø25mm, Hydrophobic Polysulfone, pk/100	–
PSMDC-PS30-045-0100	Membrane filter, 0.45µm, ø30mm, Hydrophobic Polysulfone, pk/100	–
PSMDC-PS47-045-0100	Membrane filter, 0.45µm, ø55mm, Hydrophobic Polysulfone, pk/100	–

PSSUSCUP-208

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 ring which secures the membrane to the cell body and ensures full contact with the sample.
- 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 for 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
PSENHANC-040	Enhancer Cell, 4 cm2 surface area membrane	12-4000
PSENHANC-020	Enhancer Cell, 2 cm2 surface area membrane	12-4001
PSENHANC-005	Enhancer Cell, 0.5 cm2 surface area membrane	12-4002
PSENHANC-TOL	Adjustment tool, for all Enhancer Cell sizes	12-4015
PSENHANC-A40	Alignment tool, for 4 cm2 Enhancer Cell	12-4010
PSENHANC-A20	Alignment tool, for 2 cm2 Enhancer Cell	12-4011
PSENHANC-A05	Alignment tool, for 0,5 cm2 Enhancer Cell	12-4012

PSENHANC-040

PSENHANC-020

PSENHANC-005

PSENHANC-TOL

Agilent Compatible for 7000, 7010, 7020 and 7025 Systems

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

PSSMVASSY-TC

PSGLA200F-TA

Agilent Compatible for 708-DS Systems

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

PSSMVASSY-TA

Agilent Compatible for 705-DS, 7000 and 7010 Systems

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

PSSMVCOV-VK

PSSMVASSY-VK

Distek Compatible for 2100, 2500 and Evolution 6300 Systems

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

PSMINEPD-01

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

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

PSSMVCOV-DK

PSSMVCOV-DK

Hanson Research Compatible for SR6, SR8-Plus Systems

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

PSSMVASSY-HR

Hanson Research Compatible for Vision Systems

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

PSGLA150F-HR

PSSMVASSY-HRV

PSMINEPD-HR

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.

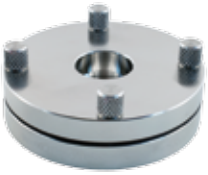
Part No.	Description	OEM Ref
PSIMMERC-UN	Immersion Cell only, 15 mm	65-190-043
PSIMMERC-UNT	Immersion Cell with tools, 15 mm	65-190-051
PSMSDC-PS25-045-0100	Membrane filter, 0.45µm, ø25mm, Hydrophobic Polysulfone, pk/100	–

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
PSEXCELL-27	Extraction Cell, 27mm, 1,48ml	18421
PSEXCELL-38	Extraction Cell, 38mm, 2,94ml	22252
PSEXCELL-45	Extraction Cell, 45mm, 4,13ml	22253
PSEXCELL-52	Extraction Cell, 52mm, 5,52ml	22254



PSEXCELL-27

PSEXCELL-38

PSEXCELL-45

PSEXCELL-52

Topical and Transdermal Drug Testing

Erweka Rotating Cylinder

Part No.	Description	OEM Ref
PSAPPSIX-EW01	Rotating Cylinder S.S., UniShaft, short version, to screw to Shaft	81-000-9000; 22408
PSAPPSIX-EW01L	Rotating Cylinder S.S., UniShaft, long version, to screw to Shaft	81-000-9010; 22409
PSAPPSIX-EW02	Rotating Cylinder S.S., MagniShaft short version, with Shaft for Low-Head use	84-000-9000
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
PSAPPSIX-01	Rotating Cylinder for Transdermal Patches, 316S.S.	12-1360
PSAPPSIX-01L	Long version Rotating Cylinder	–

PSAPPSIX-01

Hanson Rotating Cylinder

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

PSAPPSIX-01L

Distek Rotating Cylinder

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

PSSPNAP6-HR

Electrolab Rotating Cylinder

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

Sotax Rotating Cylinder

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

PSAPPSIX-01

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
	Clear Glass – Complete VDC cell	
PSVDC0904CP-HR	Vertical Diffusion Cell, Clear Glass, 9 mm Orifice, 4 mL vol, “Small”	58-001-451
PSVDC1507CP-HR	Vertical Diffusion Cell, Clear Glass, 15 mm Orifice, 7 mL vol, “Standard”	58-001-455
	Recommended by US FDA for topicals	
PSVDC1512CP-HR	Vertical Diffusion Cell, Clear Glass, 15 mm Orifice, 12 mL vol, “Large”	58-001-459
PSVDC1520CP-HR	Vertical Diffusion Cell, Clear Glass, 15 mm Orifice, 20 mL vol, “Large”	–
	Clear Glass – VDC cell Only	
PSVDC0904CO-HR	Vertical Diffusion Cell, Clear Glass, 9 mm Orifice, 4 mL vol, “Small”	58-001-453
PSVDC1507CO-HR	Vertical Diffusion Cell, Clear Glass, 15 mm Orifice, 7 mL vol, “Standard”	58-001-457
	Recommended by US FDA for topicals	
PSVDC1512CO-HR	Vertical Diffusion Cell, Clear Glass, 15 mm Orifice, 12 mL vol, “Large”	58-001-461
PSVDC1520CO-HR	Vertical Diffusion Cell, Clear Glass, 15 mm Orifice, 20 mL vol, “Large”	–

PSVDC1507CP-HR

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

PSVDC1512CP-AHR

Hanson VDC Parts

Part No.	Description	OEM Ref
PSVDCGLDSK-HR	Glass Disk, suited for all TDS cells	58-001-506
PSVDCCLRNG-HR	Cell ring	58-001-507
PSVDCDSW09-HR	Dosage wafer for 4ml cells, 9 mm orifice	58-001-518
PSVDCDSW15-HR	Dosage wafer for 7, 12, 20ml cells, 15 mm orifice	58-001-511
PSVDCCLPAS-HR	Clamp Assembly for 4, 7, 12, 20ml cells	58-001-450
PSVDC0904CT-HR	Threaded Cell Top, Clear Glass, 2ml volume suited for 4ml cell	58-001-530
PSVDC1507CT-HR	Threaded Cell Top, Clear Glass, 6mll volume suited for 7, 12 and 20ml cell	58-001-531
PSVDCMSP06-HR	Stirrer Plate 6-position	58-001-420
PSVDCMC40-HR	Universal Speed control unit, 40 Watt, RS232	58-001-425

PSVDCDSW09-HR

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. 65mm^2.

Part No.	Description	OEM Ref
PSKERSKI-01	Permeation cell with isofill chamber for liquides, approx. 10ml	–
PSKERSKI-02	Permeation cell with isofill chamber for (semi)solid dosage forms, approx. 10 ml	–
PSKERSKI-03	Permeation cell with isofill chamber for (semi)solid dosage forms, approx. 5 ml	–
PSKERSKI-04	Permeation cell with isofill chamber for (semi)solid dosage forms, approx. 20 ml	–
PSVDCMSP15-HR	Magnetic Stirrer MixDrive 15 pos.	–
PSVDCMC40-HR	Universal Speed control unit, 40 Watt, RS232	–

PSVDC1507CT-HR

PSKERSKI-01

PSVDCMSP06-HR

PSVDCMSP15-HR

Transdermal Cells in Climate Chamber

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

PSEVACOV-05

PSEVACOV-07

PSLOWCAP-03

PSLOWCAP-05

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	–

PSGLA300-01

PSGLA300-02

PSGLA300-03

PSGLA300-AV

Screens

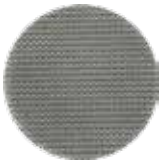
Screens with 1.25” diameters for 300ml glass vessels.

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

PSGLAIST-01

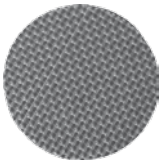
PSGLAIST-AV

PSMSHSCR-20



PSMSHSCR-30

PSMSHSCR-40



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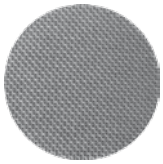

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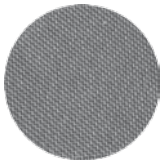

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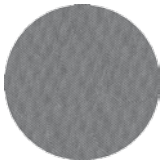


PSPOLSCR-1K

ASTM Calibration Tools

ASTM Validation Toolkit

For a diversity of dissolution systems and purposes different tools are available. Dissolution 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 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

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

The Dissolution Accessories toolkit provides you the tools to perform apparatus 1 & 2 ASTM measurements.

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

Calibration Tools

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 if 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
PSCAL-ASTMKTX	Calibration Service; ASTM kit Complete
PSCAL-CNTGAG	Calibration Service; Centring kit
PSCAL-DEPTH	Calibration Service; Digital Depth Gauge Kit
PSCAL-THERMO	Calibration Service; Thermometer, 2-points
PSCAL-VERTMET	Calibration Service; Digital Verticality meter
PSCAL-WOBMET	Calibration Service; Wobble meter kit
PSCALHTA6-UN	Calibration Service; Height Tool, Universal

Before analysis a reference/adjustment of paddle/basket height can be needed.
Dissolution 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
PSCALHTA5-35	Calibration Height Tool App 5, 35mm patch holders	Universal
PSCALHTA5-56	Calibration Height Tool App 5, 56mm patch holders	Universal
PSCALHTA5-80	Calibration Height Tool App 5, 80mm patch holders	Universal
PSCALHTA6-UN	Calibration Height Tool App 1, 2 & 6	Universal
PSDEPGAG-VK	Depth Gage for height setting	12-7300
PSDEPSET-MI	Ball Style Depth Set Gauge	Universal
PSDEPSET-SB	Stationary Basket Spacer, 1cm –	Universal
PSDPSPBK-HR	Basket Height Spacer, Hanson	72-800-501
PSDPSPPD-HR	Paddle Height Spacer, Hanson	72-800-502
PSDPSPBK-VK	Basket Height Spacer, Agilent	12-7210
PSDPSPPD-VK	Paddle Height Spacer, Agilent	12-7200
PSGNGDEP	Go no Go tool	–

PSDEPSET-SB

PSDPSPBK-VK

PSDPSPPD-VK

PSDEPGAG-VK

PSDEPSET-MI

PSCALHTA6-UN

PSCALHTA5-35

PSCALTHA5-50

PSCALTHA5-56

PSCALTHA5-80

Calibration Tools

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
PSWOBMET-MI	Wobble kit for open top baths
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
PSCNTGAG-HDA	Vessel Centering kit for Agilent, Distek and Hanson
PSCNTGAG-MI	Vessel Centering kit for Erweka, Pharmatest and Sotax

PSCNTGAG-HDA

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
PSDDAPT-MI	Height measurement Tool kit, multi-instrument

PSDDAPT

Speed

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

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

Temperature

Part No.	Description
PSTHERMD-LC	Calibrated Thermometer with temperature probe, multi-instrument

THERMOMETER

Vibration

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

System leveling

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

TACHOMETER

DIGITAL VERTICALITY METER

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 (>10^{12}Ω); 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 O_2 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 to 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.

Specifications

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 (>10^{12} 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

F450T	Meter kit option includes F450 + Zero solution + electrolyte + epoxy DO electrode with built-in ATC (IP67) and carrying case
QD2400T	Spare DO electrode for F450.

Glass Accessories

Volumetric Flasks clear glass

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

Add A for amber

PSVOLFLK-X1A PSVOLFLK-X9A PSVOLFLK-05A

Tapped Density

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

PSGLA100FT-01 PSGLA1CA-01 PSGLA250FT-01

PSGLA100ST-ST PSGLA250ST-ST

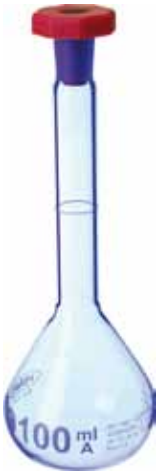
Volumetric Flask acc. to ASTM and USP

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

Capacity	TS	ISO and ASTM incl. batch cert. No single cert.	ISO and ASTM incl. batch cert. with single cert.	ISO and ASTM with indiv. Serial number + single cert.	Quantity
5 ml	10/19	PSVF0005C-BN	PSVF0005C-BC	PSVF0005C-SC	5
10 ml	10/19	PSVF0010C-BN	PSVF0010C-BC	PSVF0010C-SC	5
20 ml	10/19	PSVF0020C-BN	PSVF0020C-BC	PSVF0020C-SC	5
25 ml	10/19	PSVF0025C-BN	PSVF0025C-BC	PSVF0025C-SC	5
50 ml	12/21	PSVF0050C-BN	PSVF0050C-BC	PSVF0050C-SC	5
100 ml	12/21	PSVF0100C-BN	PSVF0100C-BC	PSVF0100C-SC	5
200 ml	14/23	PSVF0200C-BN	PSVF0200C-BC	PSVF0200C-SC	2
250 ml	14/23	PSVF0250C-BN	PSVF0250C-BC	PSVF0250C-SC	2
500 ml	19/26	PSVF0500C-BN	PSVF0500C-BC	PSVF0500C-SC	2
1000 ml	24/29	PSVF01000C-BN	PSVF1000C-BC	PSVF1000C-SC	2
2000 ml	29/32	PSVF02000C-BN	PSVF2000C-BC	PSVF2000C-SC	1
5000 ml	34/35	–	–	PSVF5000C-SC	1



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

Capacity	TS	ISO and ASTM incl. batch cert. No single cert.	ISO and ASTM incl. batch cert. with single cert.	ISO and ASTM with indiv. Serial number + single cert.	Quantity
5 ml	10/19	PSVF0005A-BN	PSVF0005A-BC	PSVF0005A-SC	5
10 ml	10/19	PSVF0010A-BN	PSVF0010A-BC	PSVF0010A-SC	5
20 ml	10/19	PSVF0020A-BN	PSVF0020A-BC	PSVF0020A-SC	5
25 ml	10/19	PSVF0025A-BN	PSVF0025A-BC	PSVF0025A-SC	5
50 ml	12/21	PSVF0050A-BN	PSVF0050A-BC	PSVF0050A-SC	5
100 ml	12/21	PSVF0100A-BN	PSVF0100A-BC	PSVF0100A-SC	5
200 ml	14/23	PSVF0200A-BN	PSVF0200A-BC	PSVF0200A-SC	2
250 ml	14/23	PSVF0250A-BN	PSVF0250A-BC	PSVF0250A-SC	2
500 ml	19/26	PSVF0500A-BN	PSVF0500A-BC	PSVF0500A-SC	2
1000 ml	24/29	PSVF01000A-BN	PSVF1000A-BC	PSVF1000A-SC	2
2000 ml	29/32	PSVF02000A-BN	PSVF2000A-BC	PSVF2000A-SC	1
5000 ml	34/35	–	–	PSVF5000A-SC	1

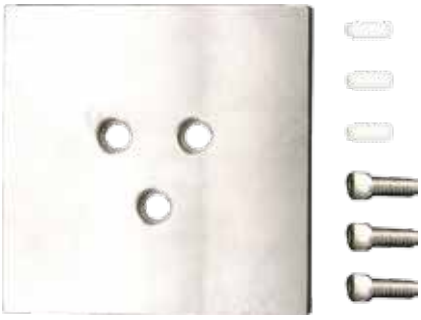
Intrinsic Dissolution Apparatus

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

PSIDASET-01

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

PSIDAPCH-01



PSIDADIE-01

PSIDAPLT-01

PSIDASNH-01

PSIDAPRS-01

Disintegration

Agilent Disintegration Accessories

Part No.	Description	OEM Ref
PSDISASY-06	Basket Assembly with 6 Glass Tubes and 10 Mesh Stainless Steel Screens	37-2001
PSDISASY-03	Basket Assembly with 3 Glass Tubes and 10 Mesh Stainless Steel Screens	37-3030
PSDISTUB-03	Glass Disintegration tubes for 3 Tube Assembly, pk/3	37-5005
PSDISTUB-06	Glass Disintegration Tubes for 6 Tube Assembly, pk/6	37-5000
PSFDISK-VK3	Fluted Plastic Disk for 3 Tube Assembly, pk/3	37-4010
PSFDISK-VK6	Fluted Plastic Disc for 6 Tube Assembly, pk/6	37-4000
PSDISSCR10-VK	10 Mesh replacement Screen for 6 Tube Basket, pk/6	37-2200
PSDISSCR20-VK	20 Mesh replacement Screen for 6 Tube Basket, pk/6	37-2205
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

PSFDISK-VK6

PSFDISK-VK3

PSDISTUB-06

PSDISTUB-03

Erweka Disintegration Accessories

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

PSDISASY-03

Distek Disintegration Accessories

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

PSGLA900-DB

PSGLA905-DB

PSDISASY-06

PharmaTest Disintegration Accessories

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

PSFDISK-VK6

PSFDISK-VK3

Sotax Disintegration Accessories

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

PSDISTUB-PT6

PSDISTUB-PT3

Electrolab Disintegration Accessories

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

Hanson Disintegration QC-21 Accessories

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

PSBEAK1L-ST

PSBEAK1L-EL

Copley Disintegration Accessories

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

Misc Accessories

Tubing

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

PSTEFTUB-8V

PSPPTUBV-01

PSPPTUBV-02

PSTAATUB-HP

PSTUBING

PSTEFTUB-HP

PSPPTUBD-02

D = Distek A = Agilent

Fittings, Tubing & Couplings

Part No.	Description	OEM Ref
PS91-601-130	Fitting, 1/16 in. Ferrule, Blue , pk/10	–
PS91-601-131	Fitting, 1/4-28 x 1/16 in. Nut, Black, pk/10	–
PS91-601-132	Fitting, 1/4-28 x 1/16 in. Nut, Red, pk/10	–
PS91-601-133	Fitting, 1/4-28 x 1/16 in. Nut, White, pk/10	–
PS91-601-134	Fitting, 1/4-28 x 1/16 in. Nut, Yellow, pk/10	–
PS91-601-135	Fitting, 1/4-28 x 1/16 in. Nut, Green, pk/10	–
PS91-601-136	Fitting, 1/4-28 x 1/16 in. Nut, Blue, pk/10	–
PS91-601-137	Fitting, 1/4-28 x 1/16 in. Nut, Clear, pk/10	–
PS91-601-138	Fitting, 1/4-28 Union, White, pk/10	–
PS91-601-139	Fitting, 1/4-28 x 1/16 in. Nut, Purple, pk/10	–
PS91-601-140	Fitting, 1/8 in. Ferrule, Yellow, pk/10	–
PS91-601-141	Fitting, 1/4-28 x 1/8 in. Nut, Black, pk/10	–
PS91-601-142	Fitting, 1/4-28 x 1/8 in. Nut, Red, pk/10	–
PS91-601-143	Fitting, 1/4-28 x 1/8 in. Nut, White, pk/10	–
PS91-601-144	Fitting, 1/4-28 x 1/8 in. Nut, Yellow, pk/10	–
PS91-601-145	Fitting, 1/4-28 x 1/8 in. Nut, Green, pk/10	–
PS91-601-146	Fitting, 1/4-28 x 1/8 in. Nut, Blue, pk/10	–
PS91-601-147	Fitting, 1/4-28 x 1/8 in. Nut, Clear, pk/10	–
PS91-601-149	Fitting, 1/4-28 x 1/8 in. Nut, Purple, pk/10	–
PS91-601-261	Fitting, 1/4-28 to Female Luer, MicroettePlus Cell Connector, pk/10	–
PS91-600-106	Tubing, PTFE, 1/32 in. i.d. x 1/16 in. o.d. (100 ft. roll), pk/10	–
PS91-601-036	Fitting, 1/4-28 Union, Clear, pk/10	–
PS91-601-172	Fitting, 1/8-B x Female Luer, White, pk/10	91-601-172
PS91-601-176	Fitting, 1/8-B x Male Luer, White, pk/10	91-601-176
PS91-601-237	Fitting, 1/4" Malex1/4" Female, Stem Elbow, MMPlus, 10/pk	91-601-237
PS91-601-262	Fitting, female luer to female luer, pk/10	91-601-262

Ferrule, blue, 1/16 in

PS91-601-131

PS91-601-132

PS91-601-133

PS91-601-134

PS91-601-135

PS91-601-136

PS91-601-137

PS91-601-139

91-601-261

PS91-601-237

PS91-601-262

Paper Rolls

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

PSPAP100-01

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.

PSAQUASTABIL-LQ01

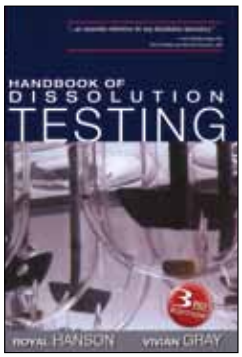
Part No.	Description
PSAQUASTABIL-LQ15	pack of 15 bottles
PSAQUASTABIL-LQ01	1 bottle

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
PSHANDB	Handbook of Dissolution Testing, 3rd edition	91-030-000



Service Parts

Agilent Compatible Parts

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

PS3020-0004

PS3020-0030

Hanson Compatible Parts – SR8/SR6

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

PSAQUAPUMP

PS64-700-128

PS64-705-062

PS91-434-012

Hanson Compatible Parts – AutoPlus/Multifill

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

PS60-200-517

PS60-200-550

PS91-425-027

PS60-200-516

Service Parts

Hanson Compatible Parts – Microette

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

PS58-001-525

PS58-001-525-2L

Hanson Compatible Parts Vision

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

PS58-001-528

PS91-030-151

Sotax Compatible Parts

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

PSFILHUB-ST

PSD300-1400

PSD300-1810

DissoGuard

The first dissolution surveillance system.

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

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

Dissolution 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.

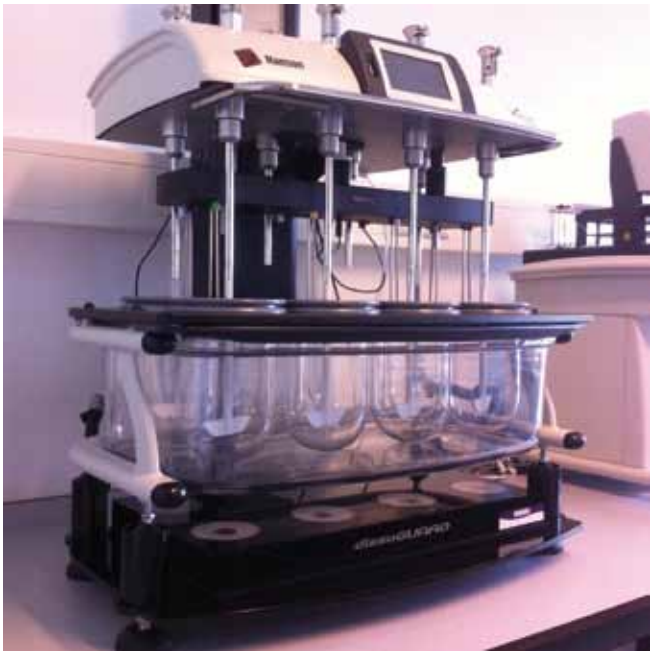
Qualifications: The **dissoGUARD®** allows you to view the rpm of your paddle or basket before, during, and after the measurement. It shows you the wobble when present, it gives you an overview of the conditions of your measurement and behavior of the sample, and stores a video of every measurement for 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 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 form introduction
- Positioning of the dosage form (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

DG11-1301A	dissoGuard, 7 cameras, External camera, Standard dissoGUARD Software
DG11-1301B	dissoGuard, 6 cameras, External camera, Standard dissoGUARD Software
DG11-1301C	dissoGuard , 8 cameras, External camera, Standard dissoGUARD Software
DG11-1302A	dissoGuard for Hanson Classic 6, 6 cameras, External camera, Standard dissoGUARD Software
DG11-1331	PRO upgrade (Software)
	Agilent
DG11-1311	Conversion kit to fit dissoGuard for Agilent 708DS/709DS
DG11-1341	Add-on for 709-DS, contains new cover and vessel protective shields
DG11-1352	Bath Shield for 708DS for light sensitive drugs
	Hanson
DG11-1312	Conversion kit to fit dissoGuard for Hanson Vision Classic 6
DG11-1313	Conversion kit to fit dissoGuard for Hanson Vision G1/G2 Elite 8 G1/G2
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
DMC018-10	Trisodium phosphate/HCl Conc. pH 6.8, dilute 1 to 10
DMC019-10	Disodium Phospate/Citric acid, pH 6.8 , 10L dilute to 50L
DMC020-06	Hydrochloric Acid 0.01N, dilute to 6L
DMC020-10	Hydrochloric Acid 0.01N, dilute to 10L
DMC020-25	Hydrochloric Acid 0.01N, dilute to 25L
DMC021-06	Hydrochloric Acid 0.1N, dilute to 6L
DMC021-10	Hydrochloric Acid 0.1N, dilute to 10L
DMC021-25	Hydrochloric Acid 0.1N, dilute to 25L
DMC022-06	Acetate Buffer pH 4.5, dilute to 6L
DMC022-10	Acetate Buffer pH 4.5, dilute to 10L
DMC022-25	Acetate Buffer pH 4.5, dilute to 25L
DMC023-06	Potassium Phosphate pH 5.8, dilute to 6L
DMC023-10	Potassium Phosphate pH 5.8, dilute to 10L
DMC023-25	Potassium Phosphate pH 5.8, dilute to 25L
DMC024-06	Potassium Phosphate pH 6.0, dilute to 6L
DMC024-10	Potassium Phosphate pH 6.0, dilute to 10L
DMC024-25	Potassium Phosphate pH 6.0, dilute to 25L
DMC025-06	Potassium Phosphate pH 6.8, dilute to 6L
DMC025-10	Potassium Phosphate pH 6.8, dilute to 10L
DMC025-25	Potassium Phosphate pH 6.8, dilute to 25L
DMC025-250	Potassium Phosphate pH 6.8, 25L to dilute to 250L
DMC026-06	Potassium Phosphate pH 7.2, dilute to 6L
DMC026-10	Potassium Phosphate pH 7.2, dilute to 10L
DMC026-25	Potassium Phosphate pH 7.2, dilute to 25L
DMC027-06	Potassium Phosphate pH 7.4, dilute to 6L
DMC027-10	Potassium Phosphate pH 7.4, dilute to 10L
DMC027-25	Potassium Phosphate pH 7.4, dilute to 25L
DMC028-06	Potassium Phosphate pH 7.5, dilute to 6L
DMC028-10	Potassium Phosphate pH 7.5, dilute to 10L
DMC028-25	Potassium Phosphate pH 7.5, dilute to 25L
DMC029-06	Sodium Lauryl Sulfate 0.50%, dilute to 6L
DMC029-10	Sodium Lauryl Sulfate 0.50%, dilute to 10L
DMC030-06	Simulated Gastric Fluid (without enzyme), dilute to 6L
DMC030-10	Simulated Gastric Fluid (without enzyme), dilute to 10L
DMC030-25	Simulated Gastric Fluid (without enzyme), dilute to 25L
DMC031-06	Simulated Intestinal Fluid (without enzyme), dilute to 6L
DMC031-10	Simulated Intestinal Fluid (without enzyme), dilute to 10L
DMC031-25	Simulated Intestinal Fluid (without enzyme), dilute to 25L
DMC034-25	Sodium Phosphate pH 6.8, dilutes to 25L
DMC035-25	Citrate Buffer, pH 4.8, dilute to 25L
DMC039-25	Potassium Phosphate pH 6.5, dilute to 25L
DMC043-06	Sodium Phosphate pH 7.4, dilute to 6L
DMF560-5L	FASSIF5, Phosphate buffer pH 6.5, 5L ready to use

Dissolution Media Concentrates

Dissolution 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.

Chromatography Vials & Caps

Agilent & Generic

Crimp Vial, 12 x 32mm, 11mm Opening, pk/100

Part No.	Description	OEM Ref
PSVT011L-1232	2ml Clear Glass	5183-4491/5181-3375
PSVT011LM-1232	2ml Clear Glass w/marking spot	5183-4492/5182-0543
PSVT011LM-1232A	2ml Amber Glass w/marking spot	5181-3376/5183-4493

PS011LM-1232

PS11LM-1232A

Inserts, pk/100

Part No.	Description	OEM Ref
PSI025BS-629	250µL Glass Conical with Bottom Spring	5181-1270
PSI025-630	350µL Glass Conical with Bottom Spring	5181-3377

PSI025BS-629

11mm Aluminium Crimp Caps with Septa, pk/100

Part No.	Description	OEM Ref
PSC130-11B	11mm Silver Crimp Cap, Blue Silicone/PTFE	–
PSC130-11G	11mm Silver Crimp Cap, Green Silicone/PTFE	–
PSC130-11R	11mm Silver Crimp Cap, Red Silicone/PTFE	–
PSC130-11Y	11mm Silver Crimp Cap, Yellow Silicone/PTFE	–
PSC142-11	11mm Silver Crimp Cap, PTFE/Butyl Ruber	5183-4498
PSC150-11	11mm Silver Crimp Cap, PTFE/Silicone	5183-4500/5182-0552
PSC170-11	11mm Magnetic Crimp Cap, PTFE/Silicone	–

PSC150-11

PSC150-11

Screw Vial, 12 x 32mm, 9mm Opening, pk/100

Part No.	Description	OEM Ref
PSVT009-1232	2ml Clear Glass	5182-0714/5183-2067
PSVT009M-1232	2ml Clear Glass w/marking spot	5182-0715/5183-2068
PSVT009M-1232A	2ml Amber Glass w/marking spot	5182-0716/5183-2069
PSVT009M-1232S	2ml Clear Glass w/marking spot, Silanized	5183-2071

PSVT009M-1232A

PSVT009M-1232

Inserts, pk/100

Part No.	Description	OEM Ref
PSI025BS-629	250µL Glass Conical with Bottom Spring	5181-1270
PSI025BS-629S	250µL Glass Conical with Bottom Spring, Silanized	5181-8872
PSI025-630	350µL Glass Conical with Bottom Spring	5181-3377

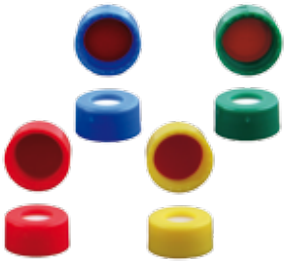
PSI025BS-629

PSI025BS-629S

PSI025-630

9mm Screw Caps with Septa, pk/100

Part No.	Description	OEM Ref
PSC395E-09SB	9mm Smooth Blue Screw Cap, Red PTFE/white Silicone	5182-0720
PSC395E-09SG	9mm Smooth Green Screw Cap, Red PTFE/white Silicone	5182-0721
PSC395E-09SR	9mm Smooth Red Screw Cap, Red PTFE/white Silicone	5182-0722
PSC395E-09SY	9mm Smooth Yellow Screw Cap, Red PTFE/white Silicone	–
PSC397E-09SB	9mm Smooth Blue Screw Cap, Red PTFE/white Silicone	5183-2076
PSC397E-09SG	9mm Smooth Green Screw Cap, Red PTFE/white Silicone	5183-2077
PSC397E-09SR	9mm Smooth Red Screw Cap, Red PTFE/white Silicone	5183-2078
PSC397E-09SY	9mm Smooth Yellow Screw Cap, Red PTFE/white Silicone	–



Snap Vial, 12 x 32mm, 11mm Opening, pk/100

Part No.	Description	OEM Ref
PSVT011SM-1232	2ml Clear Glass w/marking spot	5182-2068/5182-0546
PSVT011M-1232A	2ml Amber Glass w/marking spot	5181-0545/5181-2069
PSV0300P-1232	300µL Conical Ultraclean Polypropylene	5183-2087
PSV0711P-1232	750µL Conical Ultraclean Polypropylene	5183-4731

PSVT11M-1232A

PSVT011SM-1232

Inserts, pk/100

Part No.	Description	OEM Ref
PSI025BS-629	250µL Glass Conical with Bottom Spring	5181-1270
PSI025BS-629S	250µL Glass Conical with Bottom Spring, Silanized	5181-8872
PSI025-630	350µL Glass Conical with Bottom Spring	5181-3377

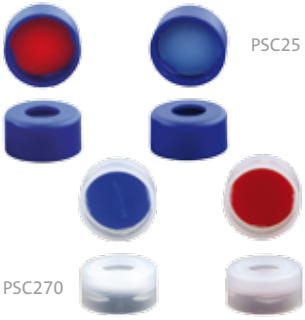
PSI025BS-629

PSI025BS-629S

PSI025-630

9mm Snap Caps with Septa, pk/100

Part No.	Description	OEM Ref
PSC250BS-11	11mm Blue Snap Cap, PTFE/white Silicone	–
PSC250CS-11	11mm Natural Snap Cap, PTFE/white Silicone	–
PSC250PBS-11	11mm Blue Snap Cap, Clear PTFE/white Silicone	–
PSC270BS-11	11mm Blue Snap Cap, PTFE/white Silicone, slitted	–
PSC270CS-11	11mm Natural Snap Cap, PTFE/white Silicone, slitted	–
PSC270CBS-11	11mm Blue Snap Cap, Blue PTFE/white Silicone, slitted	–


PSC25
PSC270

Microvials pk/100

Part No.	Description	OEM Ref
PSV01511-1232	1.5ml Clear Glass Crimp Vial, 12x32mm, 11mm	5184-3551
PSV01511-1232A	1.5ml Amber Glass Crimp Vial, 12x32mm, 11mm	5184-3555
PSV01511S-1232	1.5ml Clear Glass Snap Vial, 12x32mm, 11mm	5184-3552
PSV01511S-1232A	1.5ml Amber Glass Snap Vial, 12x32mm, 11mm	5184-3556
PSV01509-1232	1.5ml Clear Glass Screw Vial, 12x32mm, 9mm	5184-3550
PSV01509-1232A	1.5ml Amber Glass Screw Vial, 12x32mm, 9mm	5184-3554

PSV01511-1233

PSV01509-1232

Screw Vial, 12 x 32mm, 10mm Opening, pk/100

Part No.	Description	OEM Ref
PSVT010M-1232	2ml Clear Glass w/marking spot	–
PSVT010M-1232A	2ml Amber Glass w/marking spot	–

PSVT010M-1232A

PSVT010M-1232

Inserts, pk/100

Part No.	Description	OEM Ref
PSI025BS-629	250µL Glass Conical with Bottom Spring	–
PSI025-630	350µL Glass Conical with Bottom Spring	–

PSI025BS-629

PSI025-630

10mm Screw Caps with Septa, pk/100

Part No.	Description	OEM Ref
PSC6050-10S	10mm Black Open-Hole Bonded, white Silicone/ RED PTFE w/slit	–
PSC6050BC-10	10mm Black Open-Hole Bonded, TAN PTFE/ Silicone 60mil	–

PSC6050-10S

Screw Vial, 12 x 32mm, 8mm Opening, pk/100

Part No.	Description	OEM Ref
PSVT008-1232	2ml Clear Glass	–
PSVT008M-1232	2ml Clear Glass w/marking spot	–
PSVT008M-1232A	2ml Amber Glass w/marking spot	–

PSVT008M-1232

PSVT008-1232

Inserts, pk/100

Part No.	Description	OEM Ref
PSI01BS-530	100µL Glass Conical Precision Point with Bottom Spring	–
PSI025-531	250µL Glass Flat Bottom Insert	–

8mm Screw Caps with Septa, pk/100

Part No.	Description	OEM Ref
PSCLS39939	8mm Black Open-Hole PP, 8-425 Bonded Red PTFE/white Silicone	–

PSCLS39939

Short Thread Screw Vial, 12 x 32mm, 9mm Opening, pk/100

Part No.	Description	OEM Ref
PSVT009-1232	2ml Clear Glass	–
PSVT009M-1232	2ml Clear Glass w/marking spot	–
PSVT009M-1232A	2ml Amber Glass w/marking spot	–
PSVT009M-1232S	2ml Clear Glass w/marking spot, Silanized	–

PSVT009M-1232A

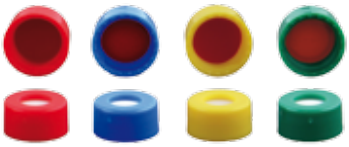
PSVT009M-1232

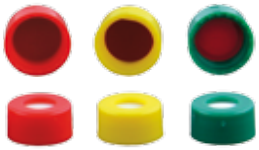
Inserts, pk/100

Part No.	Description	OEM Ref
PSI025BS-629	250µL Glass Conical with Bottom Spring	–
PSI025-630	350µL Glass Conical with Bottom Spring	–

9mm Screw Caps with Septa, pk/100

Part No.	Description	OEM Ref
PSC395E-09SB	9mm Blue Screw Cap, Red PTFE/Silicone	–
PSC395E-09SG	9mm Green Screw Cap, Red PTFE/Silicone	–
PSC395E-09SR	9mm Red Screw Cap, Red PTFE/Silicone	–
PSC397e-09SY	9mm Yellow Screw Cap, Red PTFE/Silicone	–
PSC397E-09SB	9mm Blue Screw Cap, Red PTFE/Silicone with Slit	–
PSC397E-09SR	9mm Red Screw Cap, Red PTFE/Silicone with Slit	–
PSC397E-09SG	9mm Green Screw, Cap Red PTFE/Silicone with Slit	–
PSC397E-09SY	9mm Yellow Screw, Cap Red PTFE/Silicone with Slit	–


PSC395E


PSC397E

Screw Vial, 12 x 32mm, 8mm Opening, pk/100

Part No.	Description	OEM Ref
PSVT008-1232	2ml Clear Glass	* –
PSVT008M-1232	2ml Clear Glass w/marking spot	* –
PSVT008M-1232A	2ml Amber Glass w/marking spot	* –

* Fits AOC-8B/9, SIL-6A, OC-14/1400, SIL-6B & SIL-9A Autosamplers

PSVT008M-1232

PSVT008M-1232A

Inserts, pk/100

Part No.	Description	OEM Ref
PSI01BS-530	100µL Glass Conical Precision Point with Bottom Spring	–
PSI025-531	250µL Glass Flat Bottom Insert	–

PSI01BS-530

8mm Screw Caps with Septa, pk/100

Part No.	Description	OEM Ref
PSCLS39939	8mm Black Open-Hole PP, 8-425 Bonded Red PTFE/ white Silicone	–
PSC9SF-08G	8mm Green Open-Hole PP, 8-425 Bonded Red PTFE/ white Silicone	–
PSC9SF-08Y	8mm Yellow Open-Hole PP, 8-425 Bonded Red PTFE/ white Silicone	–

PSCLS39939

Part No.	Description	OEM Ref
PSVF013-1545	4ml Clear Glass, 13-425	* –
PSVF013A-1545	4ml Amber Glass, 13-425	* –
PSVF013M-1545	4ml Clear Glass w/marking spot, 13-425	* –

* Fits AOC-14/1400 & SIL-2AS Autosamplers

13mm Screw Caps with Septa, pk/100

Part No.	Description	OEM Ref
PS06050-13	13mm Black Open-Hole Bonded, Red PTFE/Silicone 60mil	–
PS06050-13S	13mm Black Open-Hole Bonded, Red PTFE/Silicone 60mil w/slit	–

Crimp Vial, 12 x 32mm, 11mm Opening, pk/100

Part No.	Description	OEM Ref
PSVT011-1232	2ml Clear Glass	* –
PSVT011A-1232	2ml Amber Glass	* –

* Fits AOC-14/1400, SIL-6B & SIL-9A Autosamplers

PSVT011-1232

PSVT011A-1232

11mm Aluminium Crimp Caps with Septa, pk/100

Part No.	Description	OEM Ref
PSC142-11	11mm Silver Crimp Cap, PTFE/Butyl Ruber	–
PSC150-11	11mm Silver Crimp Cap, Red PTFE/White Silicone	–

Screw Vial, 12 x 32mm, 9mm Opening, pk/100

Part No.	Description	OEM Ref
PSVT009-1232	2ml Clear Glass	–
PSVT009M-1232	2ml Clear Glass w/marking spot	186000273
PSVT009M-1232A	2ml Amber Glass w/marking spot	186000848
PSVT009M-1232S	2ml Clear Glass w/marking spot, Silanized	WAT063300DV

PSVT009M-1232A

PSVT009M-1232

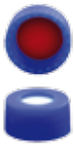
Inserts, pk/100

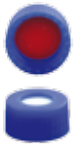
Part No.	Description	OEM Ref
PSI025BS-629	250µL Glass Conical with Bottom Spring	WAT094170
PSI025-630	350µL Glass Conical with Bottom Spring	–

PSI025BS-629

9mm Screw Caps with Septa, pk/100

Part No.	Description	OEM Ref
PSC395S-09B	9mm Blue Screw Cap, Beige PTFE/Silicone, Bonded	186000274
PSC395S-09G	9mm Green Screw Cap, Beige PTFE/Silicone,Bonded	186002130
PSC395S-09R	9mm Red Screw Cap, Beige PTFE/Silicone, Bonded	–
PSC397-09B	9mm Blue Screw Cap, PTFE/Silicone with Slit, Bonded	186000305
PSC397-09R	9mm Red Screw Cap, PTFE/Silicone with Slit, Bonded	–


PSC395S-09B


PSC395S-09B

Wisp 48 and 96 position, 15 x 45mm, 13mm Opening, pk/100

Part No.	Description	OEM Ref
PSVF013-1545	4ml Clear Glass, 13-425	186000840
PSVF013A-1545	4ml Amber Glass, 13-425	186001135

13mm Screw Caps with Septa, pk/100

Part No.	Description	OEM Ref
PS06050-13	13mm Black Open-Hole Bonded, Red PTFE/Silicone 60mil	18600841
PS06050-13S	13mm Black Open-Hole Bonded, Red PTFE/Silicone 60mil w/slit	–

Inserts, pk/100

Part No.	Description	OEM Ref
PSI03-639	250µL Glass Mandrel Point Insert, requires Metal Spring	WAT072704
PSI03-638X	250µL Glass Conical Insert, requires Metal Spring	WAT072708

LC (MS) Certified Combi-Kits

These certified Combi-Kits include certification documentation. Every batch is tested on 16 critical parameters. The vial and cap combinations are checked for blanks and contamination by HPLC/UV and LC-MS testing.

Certified Combi-Kits are available in a 2ml Short Thread Clear and Amber vial with appropriate cap.

9mm, 9-425 Thread for Agilent Autosamplers, pk/100

Part No.	Description	OEM Ref
PSVT009M/C395ES-BCERT	Certified 2ml Clear Glass Screw Vial, w/marking spot, Blue Cap, Red PTFE/White Silicone Septa	–
PSVT009MA/C395ESBCERT	Certified 2ml Amber Glass Screw Vial, w/marking spot, Blue Cap, Red PTFE/White Silicone Septa	–
PSVT009M/C397ES-BCERT	Certified 2ml Clear Glass Screw Vial, w/marking spot, Blue Cap, Red PTFE/White Silicone Septa w/slit	–
PSVT009MA/C397ESBCERT	Certified 2ml Amber Glass Screw Vial, w/marking spot, Blue Cap, Red PTFE/White Silicone Septa w/slit	–

PSVT009M/C395ESBCERT

For Waters Autosamplers

Part No.	Description	OEM Ref
PSVT009M/C395B-CERT	Certified 2ml Clear Glass Screw Vial, w/marking spot, Blue Cap, Red PTFE/White Silicone Bonded Septa	–
PSVT009MA/C395B-CERT	Certified 2ml Amber Glass Screw Vial, w/marking spot, Blue Cap, Red PTFE/White Silicone Bonded Septa	–
PSVT009M/C397B-CERT	Certified 2ml Clear Glass Screw Vial, w/marking spot, Blue Cap, Red PTFE/White Silicone Bonded Septa w/slit	–
PSVT009MA/C397B-CERT	Certified 2ml Amber Glass Screw Vial, w/marking spot, Blue Cap, Red PTFE/White Silicone Bonded Septa w/slit	–

Vial Rack

Part No.	Description	OEM Ref
PSVR-1550	for 50 x 2ml vials	–
PSVR-4050	for 50 x 4ml vials	–

HeadSpace Vials

Headspace vials are made from Borosilicate type 1 glass. In Headspace analysis, the sample is sealed into the vial and heated until the concentration in the gas phase is in equilibrium with the concentration in the liquid phase. A sample from the headspace is then analyzed.

Agilent™, Bruker and Tekmar Vials and Caps, pk/100

Part No.	Description	OEM Ref
PSV06020-2338X	5ml Headspace Crimp Vial, 23 x 38mm, 20mm	5182-0876
PSVX0020-2346X	10ml Headspace Crimp Vial, 23 x 46mm, 20mm	5182-0838
PSVXX020-2375XP	20ml Headspace Crimp Vial, 23 x 75mm, 20mm	5182-0837
PSVX0020BS-2346X	10ml Headspace Crimp Vial, Short Neck,Tekmar, 23 x 46mm, 20mm	7000HT/Bruker
PSVXX020BS-2375X	20ml Headspace Crimp Vial, Short Neck, Tekmar, 23 x 75mm, 20mm	7000HT/Bruker
PSCLS-0030	20mm Aluminium Crimp Cap with Pharmafix Septa	5183-4479
PSCLS-9981	20mm Silver Crimp Cap, 3mm TAN Teflon/White Silicone Septa	5183-4477

PSVXX020BS-2375X

CTC/LEAP Vials and Caps, pk/100

Part No.	Description	OEM Ref
PSVX0018-2346CTC	10ml Clear Headspace Screw Vial, 23 x 46mm, 18-425	–
PSVX0018-2375CTC	20ml Clear Headspace Screw Vial, 23 x 75mm, 18-425	–
PSCLS-1416	18mm Silver Screw Cap, Butyl Red/PTFE Grey	–
PSCHR-1578	18mm Magnetic Silver Screw Cap, White Silicone/ Red/PTFE ULB	–

PSVX0018-2346CTC

PSCLS-1416

CTC/LEAP Vials and Caps, pk/100

Part No.	Description	OEM Ref
PSVX0020B-2346X	10ml Headspace Crimp Vial, 23 x 46mm, Round Bottom, 20mm	–
PSVX0020B-2375X	20ml Headspace Crimp Vial, 23 x 75mm, Round Bottom, 20mm	–
PSCLS-1535B	20mm Blue BiMetal Magnetic Crimp Cap, 3mm TAN Teflon/Silicone	–
PSCLS-1535R	20mm Red BiMetal Magnetic Crimp Cap, 3mm TAN Teflon/Silicone	–

PSCLS-1535B

Perkin Elmer, Vials and Caps, pk/100

Part No.	Description	OEM Ref
PSVX0020PE-2346	10ml Headspace Crimp Vial, 23 x 46mm, 20mm	–
PSVXX020PE-2375	20ml Headspace Crimp Vial, 23 x 75mm, 20mm	–
PSCLS-9980	20mm Aluminium Pressure Release Crimp Cap, 3mm TAN Teflon/White Silicone Septa	–
PSCLS-9981	20mm Silver Crimp Cap, 3mm TAN Teflon/White Silicone Septa	–

PSCLS-9981

VOA Vials

VOA vials are specifically designed for use with volatile organic compounds, as recommended by EPA CFR Part 136 and under EPA 40 CFR 141. They are available in both clear and amber borosilicate glass and have a temperature range of -40°C to 125°C.

Combo Packs, pre-assembled vial plus cap and septa, PK/100

Part No.	Description	OEM Ref
PS200424CBL100	Clear Glass 20ml + Black Screw Cap, PTFE/Silicone Septa	–
PS200424ABL100	Amber Glass 20ml + Black Screw Cap, PTFE/Silicone Septa	–
PS400424CBL100	Clear Glass 40ml + Black Screw Cap, PTFE/Silicone Septa	–
PS400424ABL100	Amber Glass 40ml + Black Screw Cap, PTFE/Silicone Septa	–
PS600424CBL100	Clear Glass 60ml + Black Screw Cap, PTFE/Silicone Septa	–

PS400424CBL100

PS400424ABL100

Sample Storage Vials, PK/100

Part No.	Description	OEM Ref
PS4024C100	Clear Glass 40ml, 28x95mm, 24-400 thread	–
PS4024A100	Amber Glass 40ml, 28x95mm, 24-400 thread	–
PS2431TW100	Black Cap, PTFE liner, 24-400 thread	–

Crimpers and Decappers

Part No.	Description	OEM Ref
PSCR00-08	8mm Hand Operated Crimper	–
PSCR00-11	11mm Hand Operated Crimper	–
PSCR00-20	20mm Hand Operated Crimper	–
PSCR10-08	8mm Hand Operated Decapper	–
PSCR10-11	11mm Hand Operated Decapper	–
PSCR10-20	20mm Hand Operated Decapper	–

Index

Alfuzosin Cylinder Sinker 16
AquaStabil-LQ 80
ASTM Calibration Kit 68
Automation Syringe Filters 51, 52
Baskets 2 - 6
  Suppository baskets 2 - 6
  Odd size baskets 6
Basket Gauge 7
Basket Go no Go Tool 7
Basket Height Spacer 69
Basket Holder 8
Basket Shafts 10, 11
Basket Spin (interchangeable) shafts 12
Basket Shaft Storage Rack 13
Basket Sinkers 16
Bio Dissolution Accessories 66, 67
Breath Film Sinker 17
Calibration Tools 68 - 72
Cannula Filters 41 - 46
Capsule Sinkers 16 - 19
Cell Top 65
Chinese Small Volume Vessels 25, 26
Connectors Luer 54
Crimping Tool 96
Depth Set Gauge 69, 70
Disintegration Testing 76, 77
DissoGuard 83
Dissolved Oxygen Meters 72
Dosage Wafer 65
Enhancer Cells 60
Extration Cells 62
Filters 41 - 52
  Automation Syringe Filters 51, 52
  Cannula Filters 41 - 46
  Disk Filters 43
  Syringe Filters 47 - 50
  Tip Filters 42
Felodipine Stationary Basket 9
Fittings 79
Fluted Disk 76 - 77
Franz Cells 64
Funnel Top Cylinder 73
Glass Accessories 73, 74
Handbook of Dissolution 80
Hanson Style Sinker 17
Headspace Vials 95
Height Tool 70
Height Set Tool 69
High Precision Vessels 20 - 24
Inserts 88 - 93
Interchangeable Basket Shafts 12
Interchangeable Paddles 12
Intrinsic Dissolution 75
Japanese Ph. Sinker 16
Japanese Ph. Sinker Magnetic 16
Kerski Vertical Permeation Cells 65
LC Combi Kits 94
Level Meter 70
Low Volume Vessels 27 - 30
Luer Fittings 54
Media Concentrates 86
Metformin Sinker 16
Ointment Cell 62
O-Ring Sinkers 16
Paddles 14, 15
Paddles Height Spacer 69
Paddle Over Disk 59
Paddle Spin (Interchangeable) Shafts 12
Paddle Storage Rack 13
Paper Rolls 80
Peristatic Pump Tubing 78
pH meter 71
Polysulfone Membranes 59
Pronged Sinker 16
Protection Ring Vessel 37
PTFE Coated Vessels 37
Ropinirole Cylinder Sinker 16
Rotating Cylinder 63
Sampling Cannula 53 - 58
Screens 67
Septa Vials 87 - 96
Service Parts 81
Sieve 15
Sinkers 16 - 19
  Basket Sinkers 16
  Breath Film Sinkers 17
  Japanese Sinkers 16
  Metformin-HCl sinkers 16
  O-ring Sinker 16
  Pronged Sinkers 16
  Spiral Sinkers 17
  Stainless Steel Wire 17
  Time release Sinkers 17
Small Volume Dissolution 25 - 30
Spin shaft (Interchangeable) Accessories 12
Standard Vessels 31 - 37
Stationary Basket Assy. 2
Stationary Basket Spacers 69
Storage Basket Holder 8
Stirring Plate 65
Stoppers 53 - 58
Suspension Cups 59
Syringe Filters 47 - 52
Tablet Press 75
Tachometer Optical 70
Tapped Density 73
Teflon Tubing 78
Thermometer, Digital 70
Time Release Sinker 17
Transdermal Patch Holder 59
Transdermal testing 59 - 65
Tubing 78
  Peristatic Tubing 78
  Santoprene Tubing 78
  Teflon (PTFE) Tubing 78
  Tygon Tubing 78
Universal Intrinsic Press 75
USP 1 Apparatus 2 - 12
USP 2 Apparatus 12 - 15
USP 3 Apparatus 66, 67
USP 5 Apparatus 59
USP 6 Apparatus 63
Validation Tool Kit 68
Vessel Centering 70
Vessels 31 - 37
  Vessel Covers 38, 39
  Vessel Stands 40
  Vessel Centering Gauge 70
Vials 87 - 96
Vial Caps 87 - 96
Vibration Meter 70
Volumetric Flasks 74
Wobble Meter 70

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