



Product Guide

Vacuum Filtration

Pressure Filtration

Vacuum Pump

Solid Phase Extraction

Nitrogen Evaporator

IR-FTIR Accessories

HPLC Consumables

Degassing Chamber

Gas Sampling Bomb

FILTRATION

CONTAMINATION

**SAMPLE
PROCESSING**

DISSOLUTION

CHROMATOGRAPHY

ENVIRONMENTAL



We are dedicated to making

BIOTECH PRODUCTION

SIMPLER, FASTER AND SAFER.





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Vacuum Filtration

Vacuum Filter Holder

A



Glass Filter Holder

- **MOC** : Borosilicate Glass
- **Support screen** : Sintered Glass
- **Stopper** : Silicone Rubber
- **Clamp** : Anodized Aluminum
- **Filter Size** : 25mm, 47mm, 90 mm
- **Filtration area** : 2.1 cm², 9.6 cm², 43 cm²
- **Funnel Capacity**: 300ml, 500ml, 1000ml.

Product Code	Description	Price
GFH300	Glass Filter Holder 300ml	NIL
GFH500	Glass Filter Holder 500ml	NIL
GFH1000	Glass Filter Holder 1000ml	NIL



Stainless Steel Filter Holder

- **MOC** : SS316
- **Support screen** : SS316
- **Stopper** : Silicone Rubber
- **Clamp** : Inbuilt SS316
- **Filter Size** : 25mm, 47mm, 90 mm
- **Filtration area** : 2.1 cm², 9.6 cm², 43 cm²
- **Funnel Capacity**: 300ml, 500ml, 1000ml

Product Code	Description	Price
SFH300	Stainless Steel Filter Holder 300ml	NIL
SFH500	Stainless Steel Filter Holder 500ml	NIL
SFH1000	Stainless Steel Filter Holder 1000ml	NIL



SS Filter Holder (Duck Clamp)

- **MOC** : SS316
- **Support screen** : SS316
- **Stopper** : Silicone Rubber
- **Clamp** : Duck Clamp Anodized Aluminum
- **Filter Size** : 25mm, 47mm, 90 mm
- **Filtration area** : 2.1 cm², 9.6 cm², 43 cm²
- **Funnel Capacity**: 300ml, 500ml, 1000ml.

Product Code	Description	Price
FHDC300	Glass Filter Holder 300ml	NIL
FHDC500	Glass Filter Holder 500ml	NIL
FHDC1000	Glass Filter Holder 1000ml	NIL



Hydrofil Filter Holder

- **MOC** : SS316
- **Support screen** : SS316
- **Stopper** : Silicone Rubber
- **Clamp** : Spin Lock
- **Filter Size** : 47mm.
- **Filtration area** : 2.1 cm², 9.6 cm², 43 cm²
- **Funnel Capacity**: 100ml, 300ml, 500ml

Product Code	Description	Price
HFH300	Stainless Steel Filter Holder 300ml	NIL
HFH500	Stainless Steel Filter Holder 500ml	NIL



Magnetic Filter Holder

- **MOC** : Polysulfide
- **Support screen** : PES
- **Stopper** : Silicone Rubber
- **Clamp** : Magnetic
- **Filter Size** : 47mm.
- **Filtration area** : 9.6 cm²
- **Funnel Capacity**: 300ml, 500ml.

Product Code	Description	Price
MAG300	Magnetic Filter Holder 300ml	NIL
MAG500	Magnetic Filter Holder 500ml	NIL



PSU Filter Holder

- **MOC** : Polysulfide
- **Support screen** : PES
- **Stopper** : Silicone Rubber
- **Clamp** : Spin Lock
- **Filter Size** : 47mm
- **Filtration area** : 9.6 cm².
- **Funnel Capacity**: 300ml.

Product Code	Description	Price
PSU300	PSU Filter Holder 300ml	NIL



Micro Filt Disposable filter Funnel

- **MOC** : Polypropylene
- **Filter Size** : 47mm
- **Filtration area** : 9.6 cm²
- **Funnel Capacity**: 250ml
- **ETO Sterilization Packing**
100 pieces per box

Product Code	Description	Price
MFDF250	Micro Filt Disposable Funnel 250ml	NIL



Disposable M-Funnel

- **MOC** : Polypropylene
- **Filter Size** : 47mm
- **Filtration area** : 9.6 cm²
- **Funnel Capacity**: 125ml & 250ml
- **GAMMA Sterilization Packing**
150 pieces per box

Product Code	Description	Price
DMF125	Micro Filt Disposable Funnel 125ml	NIL
DMF250	Micro Filt Disposable Funnel 250ml	NIL

Vacuum Filtration

Vacuum Filtration Manifold

B



Vacuum Filtration Manifold.

Materials:

- Body and branches : Type 316L stainless steel
- Valves : PTFE stopcock, Electroplated SS body.

Connections:

- Filter Head : 6 Stage, 3 Stage, Single Stage.
- Supported Funnel : Glass , PP And Stainless Steel.

Product Code	Description	Price
VFM01	Vacuum Filtration Manifold 1 Stage	NIL
VFM03	Vacuum Filtration Manifold 3 Stage	NIL
VFM06	Vacuum Filtration Manifold 6 Stage	NIL

Vacuum Filtration Manifold GMP MODEL.

Materials:

- Body and branches : Type 316L stainless steel
- Valves : PTFE stopcock, Electroplated SS body.

Connections:

- Filter Head : 6 Stage, 3 Stage, Single Stage.
- Supported Funnel : Disposable Cups

Product Code	Description	Price
GMP01	Vacuum Filtration Manifold 1 Stage	NIL
GMP03	Vacuum Filtration Manifold 3 Stage	NIL
GMP06	Vacuum Filtration Manifold 6 Stage	NIL



Microfilit 47

Materials:

- Body and branches : Type 316L stainless steel
- Valves : PTFE stopcock, Electroplated SS body.

Connections:

- De-attachable Filter Head
- Filter Head : 6 Stage, 3 Stage.
- Supported Funnel : Microfilit funnels.

Product Code	Description	Price
MF47-03	Mircofilit 47 (3 Stage)	NIL
MF47-06	Mircofilit 47 (6 Stage)	NIL



Microfilit 47 Complete Kit

In the Kit:

- 3/6 Stage Manifold
- Micro Filt Disposable filter Funnel
- Oil Free Vacuum Pump AE45s
- 47mm x 0.45um Cellulose Nitrate Membrane Filter Paper
- Vacuum Trap with Silicon Tube
- Forceps

Product Code	Description	Price
MF47C-03	Microfilit 47 Complete Kit (3 Stage)	NIL
MF47C-06	Microfilit 47 Complete Kit (6 Stage)	NIL

Vacuum Filtration

Vacuum Filtration Manifold

C



Vacuum Filtration Manifold Complete Kit

In the Kit:

- 3 Stage Manifold
- Filter Funnel SS-316 Inbuilt SS Clamp / Duck Clamp
- Oil Free Vacuum Pump AE45s
- 47mm x 0.45um Cellulose Nitrate Membrane Filter Paper
- Vacuum Trap with Silicon Tube
- Forceps

Part No	Description	Price
VFCIC-03	Filtration Kit (Inbuilt Clamp)	NIL
VFCDIC-03	Filtration Kit (Duck Clamp)	NIL



Vacuum Filtration Manifold Complete Kit

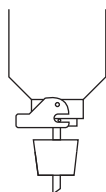
In the Kit:

- 6 Stage Manifold
- Filter Funnel SS-316 SS Clamp / Duck Clamp
- Oil Free Vacuum Pump AE75s
- 47mm x 0.45um Cellulose Nitrate Membrane Filter Paper
- Vacuum Trap with Silicon Tube
- Forceps

Part No	Description	Price
VFCIC-06	Filtration Kit (Inbuilt Clamp)	NIL
VFCDIC-06	Filtration Kit (Duck Clamp)	NIL

Customized Assembly

How to order? You can select Combination

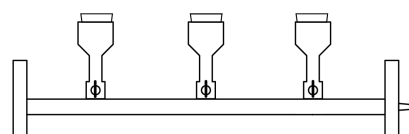


Select Filter Holder from

Vacuum Filter Holder

A

From Page 1



Select Manifold from

Vacuum Filtration Manifold

C

Other Accessories

- Oil Free Vacuum Pump AE45s / AE75s
- 47mm x 0.45um Cellulose Nitrate Membrane Filter Paper
- Vacuum Trap with Silicon Tube
- Forceps

Vacuum Filtration

Compact Vacuum Filtration

D



MICRO VACC

Max. vacuum : 313 Mbar / 70 kpa / 21 inch hg.

Max. liquid flow rate : 0.5L per min

Motor : 12W Brushless DC Motor

Hose barb : ¼ Inch (6 mm)

Material contact with filtrate : SS316L,
Silicon Seal, PP

Weight : 1 kg

Dimension (LxWxH) : 7 x 6 x 6 Inch

Number of branch : 1 / 3

Adaptor : 8. No Stopper, Disposable

Filter holder : MF47 Funnel , PSU Funnel

Part No	Description	Price
MV1-C1	Micro Vacc 1 Stage - C1	NIL
MV1-C2	Micro Vacc 1 Stage - C2	NIL
MV1-C3	Micro Vacc 1 Stage - C3	NIL
MV1C-4	Micro Vacc 1 Stage - C4	NIL

Part No	Description	Price
MV3-C1	Micro Vacc 3 Stage - C1	NIL
MV3-C2	Micro Vacc 3 Stage - C2	NIL
MV3-C3	Micro Vacc 3 Stage - C3	NIL
MV3-C4	Micro Vacc 3 Stage - C4	NIL

Customized Assembly



Disposable Funnel



Rubber Stopper
Filter Holder



Disposable Funnel



Silicone Tube



C1



C2



C3



C4



Micro Vacc - C1
For Mirco Filt
Disposable Funnel



Micro Vacc - C2
For Rubber Stopper
Filter Holder



Micro Vacc - C3
For Disposable
Funnel



Micro Vacc - C4
For Vacuum Pump

Vacuum Filtration

Solvent Filtration Assembly

E

Standard Assembly



Solvent Filtration Assembly (SS Filter Holder)

Funnel : SS Filter Holder
Filtration Flask
MOC : Borosilicate Glass
Capacity : 1000ml, 2000ml, 5000ml
Rubber Stopper : (Depend on Flask Size)



Solvent Filtration Assembly (Glass Filter Holder B40)

Funnel : Glass Filter Holder
Filtration Flask
MOC : Borosilicate Glass
Capacity : 1000ml, 2000ml, 5000ml
Rubber Stopper : (Depend on Flask Size)



Solvent Filtration Assembly (PSU Filter Holder)

Funnel : PSU Filter Holder
Filtration Flask
MOC : Borosilicate Glass
Capacity : 1000ml, 2000ml, 5000ml
Rubber Stopper : (Depend on Flask Size)

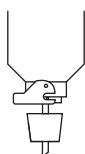


Solvent Filtration Assembly (Hydrofil Filter Holder)

Funnel : Hydrophilic Filter Holder
Filtration Flask
MOC : Borosilicate Glass
Capacity : 1000ml, 2000ml, 5000ml
Rubber Stopper : (Depend on Flask Size)

Customize Assembly

How to order? You can select Combination



Select Filter Holder from
Vacuum Filter Holder **A**
 From Page 1



Select Filter Flask Size

Part No	Description	Price
FF10	Filtration Flask 1000ml	NIL
FF20	Filtration Flask 2000ml	NIL
FF50	Filtration Flask 5000ml	NIL

Vacuum Filtration

Solvent Filtration Complete Assembly

F

Standard Assembly



Solvent Filtration Complete Assembly (SS Filter Holder)

Specifications:

- Stainless Steel Filter Holder.
- Oil Free Vacuum Pump 45s
- Membrane Filter Paper
- 47mm x 0.45um Cellulose Nitrate



Solvent Filtration Complete Assembly (SS Duck Clamp)

- Vacuum Filter Holder Duck Clamp
- Oil Free Vacuum Pump 45s
- Membrane Filter Paper
- 47mm x 0.45um Cellulose Nitrate



Solvent Filtration Complete Assembly (Glass Filter Holder)

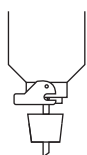
Specifications:

- Glass Filter Holder
- Oil Free Vacuum Pump 45s
- Membrane Filter Paper
- 47mm x 0.45um Cellulose Nitrate

Product Code	Description	Price
SFCA-IC	SS Filter Holder Assembly	NIL
SFCA-DC	Duck Clamp Assembly	NIL
SFCA-GF	Glass Filter Holder Assembly	NIL

Customized Assembly

How to order? You can select Combination



Select Filter Holder from

Vacuum Filter Holder

A

From Page 1

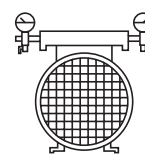


Select Filter Flask Size

Solvent Filtration Assembly

E

From Page 5



Select Vacuum Pump

Oil Free Vacuum Pump

A

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Other Accessories :

Membrane Filter Paper 47mm , Forceps , Silicon Tube 1 Metre.

Filtration Accessories



Vacuum Trap



Membrane Filter Paper



SS Support Screen



Silicone Stopper



Silicone Tube



Duck Clamp



Petri Dish



Air Vent Filter

Pressure Filtration

Syringe Filter Holders

A



Stainless Steel Syringe Holders

- Can be sterilized by standard procedures including autoclaving
- Luer fittings fit typical syringes
- Can be tightened securely, wrench set included

	SF-13	SF-25
Materials:		
Body and support screen	SS316	
Gasket	PTFE	
O-ring	PTFE	
Connections:		
Inlet	Female Luer-lock	
Outlet	Male Luer slip	
Dead volume	0.2 mL	0.4 mL
Pressure:		
Inlet	0.68 MPa (99 psi)	
Differential	0.29 MPa (42 psi)	
Membrane Filter Compatibility		
Filter size	13mm	25mm
Pre-filter size	8mm	21mm
Filtration area	0.9 cm2	3.8 cm2

Part No	Description	Price
SF- 13	SS Syringe Holder	NIL
SF- 25	SS Syringe Holder	NIL



Derlin Syringe Holders

- Can be sterilized by standard procedures including autoclaving
- Luer fittings fit typical syringes
- Can be tightened securely, wrench set included

	DS-13	DS-25
Materials:		
Body and support screen	Derlin	
Gasket	PTFE	
O-ring	PTFE	
Connections:		
Inlet	Female Luer-lock	
Outlet	Male Luer slip	
Dead volume	0.2 mL	0.4 mL
Pressure:		
Inlet	0.68 MPa (99 psi)	
Differential	0.29 MPa (42 psi)	
Membrane Filter Compatibility		
Filter size	13mm	25mm
Pre-filter size	8mm	21mm
Filtration area	0.9 cm ²	3.8 cm ²

Part No	Description	Price
DS- 13	Derlin Syringe Holder	NIL
DS- 25	Derlin Syringe Holder	NIL

Pressure Filtration

Inline Stainless Steel Holders **B**

Inline Filter Holder

- Non breakable stainless steel unit may be flame sterilized to sanitize the holder.
- Set pins and a locking nut on the funnel to help prevent twisting and tearing of the membrane.
- Autoclavable with membrane in place.
- Sanitary inlet and outlet connections are non-threaded and can be completely disassembled for thorough cleaning.
- 47 mm holder features vent to allow air venting on upstream side of the membrane at any time during filtration.

Applications:

- Point of use filtration on sterile filling machines.
- Flow decay studies for scale up to larger filtration systems.
- Liquid or gas.



IFH-L47



IFH-H47



IFH47 (TC fitting)

	IFH-L47	IFH-H47	IFH47 (TC fitting)
Body and support screen	SS316	SS316	SS316
Gasket	Silicone Rubber	Silicone Rubber	Silicone Rubber
Inlet/Outlet	8 mm (0.24") OD barb	8 mm (0.32") OD barb	8 mm (0.32") OD barb
Inlet	50mm	99mm	99mm
Differential	30 psi	42 psi	42 psi
Weight:	0.45 kg (1 lb)	0.9 kg (2 lb)	0.9 kg (2 lb)
Filter Size	25 mm	47 mm	90 mm
Pre filter Size	18 mm (47mm if membrane and mesh separator)	39 mm (47mm if membrane and mesh separator)	76 mm (47mm if membrane and mesh separator)
Filtration area	3.8 cm ²	3.8 cm ²	45 cm ²
Price			

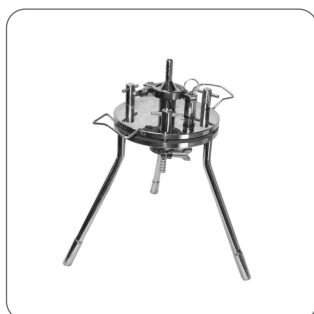
Pressure Filtration

Membrane Filter Holder

C



MFH-90



MFH-142



MFH-293

Pressure Filtration Holders

- Seal membrane by hand tightening locking wing nuts
- Optimal holder design minimizes resistance and maximizes flow rate
- Each unit labeled with identifying serial numbers on the outside of both the inlet and outlet plates

Applications

- Use in-line for filtering gases or liquids
- Use with pressure vessel for batch type operations

Specifications	MFH-90	MFH -142	MFH -293
Materials:			
Body	SS316		
Support screen	PTFE Coated photo etched Stainless Steel		
O-ring	Silicone		
Connections (included):			
Inlet/Outlet	3/4" PS to 11 mm (3/8") hose barb	3/4" PS to 16 mm hose barb (5/8") hose barb	
Adapter	11 mm hose barb	16 mm hose barb	
Pressure			
Inlet	0.68 MPa (99 psi)		
Differential	0.29 MPa (42 psi)		
Membrane Filter Compatibility:			
Membrane filter size	90 mm	142mm	293 mm
Pre-filter Size	76 mm	124 mm	257 mm
Filtration area	45 cm ²	113 cm ²	530 cm ²

Vacuum Pump

Oil Free Vacuum Pump A



AE15



AE25S



AE45



AE75 S



AE75 P



AE45s

	AE15	AE25S	AE45	AE75 S	AE75 P	AE45 S
MOC	Aluminum Die Cast	Aluminum Die Cast	Aluminum Die Cast	Aluminum Die Cast	Aluminum Die Cast	Aluminum Die Cast
Vacuum	22"	27"	22"	27"	22"Hg- 705mm Hg	23"Hg- 550mm Hg
Flow	15 LPM	15 LPM	15 LPM	50 LPM	75 LPM	45 LPM
Stage	Single Stage	Double Stage	Single Stage	Double Stage	Double Stage	Single Stage
Pressure	25 Psig	35 Psig	25 Psig	55 Psig	40 Psig	35 Psig
Connection	10 mm Hose	10 mm Hose	10 mm Hose	10 x12 mm Hose	10x12 mm Hose	12 mm Hose
Weight	5Kg	7Kg	9kg	9Kg	15Kg	6.5Kg
Motor	1/20 hp	1/16 hp	1/8 hp	1/4 hp	1/4 hp	1/8 hp
Price						

Chemical Resist Application Pump B



AE45 CRP



AE75 CRP

	AE 45 CRP	AE75 CRP
MOC	Aluminum Die Cast	Aluminum Die Cast
Vacuum	22" Hg	27" Hg
Flow	30 LPM	60 LPM
Stage	Single Stage	Double Stage
Pressure	35 Psig	55 Psig
Connection	12 mm Hose	12 mm Hose
Weight	8Kg	9.5Kg
Motor	1/8 hp	1/4 hp

Vacuum Pump

Direct Driven Pump C



AEDD1C



AEDD1B



AEDD-2B

	AEDD-1C	AEDD-1B	AEDD-2B
MOC	Aluminum Die Cast	Aluminum Die Cast	Aluminum Die Cast
Free Air Displacement	1.5 CFM /40 LPM	2.5FM / 70 LPM	4 CFM / 120 LPM
Voltage	220V-50HZ	220V-50HZ	220V-50HZ
Vacuum	150 Microns	50 Microns	50 Microns
Power	¼ HP	1/3 HP	1/3 HP
Oil Capacity	220 ml	250 ml	250 ml
Connection	1/4 " Flare	¼" Flare	¼ " & 3/8 Flair
Stage	1	2	2
Weight	7 Kg	9.6 kg	12.6 kg

Rotary Vent Type Pump D



AERV-3B



AERV-4B



AERV-5B

	AERV-3B	AERV-4B	AERV-5B
MOC	Aluminum Die Cast	Aluminum Die Cast	Aluminum Die Cast
Free Air Displacement	1.5 CFM /40 LPM	2.5FM / 70 LPM	4 CFM / 120 LPM
Voltage	220V-50HZ	220V-50HZ	220V-50HZ
Vacuum	150 Microns	50 Microns	50 Microns
Power	¼ HP	1/3 HP	1/3 HP
Oil Capacity	220 ml	250 ml	250 ml
Connection	1/4 " Flare	¼" Flare	¼ " & 3/8 Flair
Stage	1	2	2
Weight	7 Kg	9.6 kg	12.6 kg

Silt Density Index

Silt Density index Test Kit

A

'ANALYSIS'S high performance manual silt density index (SDI) test kit has been specially developed for engineers, water treatment professionals; and building services and facilities management specialists with responsibility for the maintenance and management of reverse osmosis water purification systems. 'ANALYSIS'S professional SDI test kit will allow reverse osmosis plant engineers and water treatment professionals to perform quick and accurate in-field testing and analysis procedures for a range of important RO system parameters.

Depleting supplies of fresh water, ground water contamination and the rising cost of water have compelled industries to increasingly turn to the desalination of brackish/sea water as well as water recovered from treated industrial effluent and secondary treated municipal sewage. All these recycled water systems use reverse osmosis (RO) system for removal of dissolved solids.



Silt Density Index Test Kit

Silt Density Index Kit Contents

Instruction Booklet
 47mm Filter Holder
 0.45 47mm Filter Papers (100 Pcs)
 500ml Graduated Cylinder
 Stop Watch
 Dull Tweezers
 SDI Assembly



Silt Density Index with Booster Pump

Booster Pump kit contents.

- SDI Booster Pump, 220 VAC 50/60Hz
- Connector- 8 mm PU Tube
- Pressure Gauge & Pressure Regulator
- With Case Box
- Manual

Solid Phase Extraction (SPE)

Solid Phase Extraction Manifold

A



Solid Phase Extraction 12 & 24 Port

Product Description:

Rectangular Acrylic Cabinet

Polypropylene Lid

2 Sizes Available:

Small For Up To 12 Columns Cartridges

Large For Up To 12 Columns Or Up To 24 Cartridges

Available Port: 12, 24.

Product Code	Description	Price
SPE12	Solid Phase Extraction 12 Port	NIL
SPE24	Solid Phase Extraction 24 Port	NIL

Positive Pressure Manifold

B



Positive Pressure Manifold

Positive pressure processing of cartridges and 96-well plates, such as solid phase extraction (SPE), supported liquid extraction (SLE), and filtration (protein precipitation), offers many advantages over traditional vacuum processing.

Available Series: 48, 96, 144

Product Code	Description	Price
PPM48	Positive Pressure Manifold 48	NIL
PPM96	Positive Pressure Manifold 96	NIL
PPM144	Positive Pressure Manifold 144	NIL

SPE Accessories

C



Stop Cock



Vacuum Gauge



Large Volume Samplers



Bottle Caps



Vacuum Trap



SPE Cartridge



SPE Cartridge

Nitrogen Evaporator

Nitrogen Evaporator

A



Nitrogen Evaporator is a Precision Sample Concentrator by Nitrogen Purging. It is a newly designed Sample Concentrator for multiple sample pre-concentration of in organic media. All Nitrogen Evaporator use a vortex evaporation technology that increases the speed of evaporation by a factor of 10 compared to other techniques.

The unit can be set to a constant Flow and constant Temperature to ensure good evaporation.

Features

1. Pneumatically operated evaporator door, for Hassle free door handling
2. Heat isolated electrical panel for long electrical and electronics life
3. Adjustable foot pegs for leveling and increasing equipment height
4. PID temp controller,
5. Voice feedback with Volume controller for silent work premises
6. Digital pressure indicator for precise and accurate gas flow
7. Comes in various nozzle and rack combinations
8. Complete ventilated panel for exchange of heat due to components
9. Smart Ergonomic design

Part No	Description	Price
ANE100	100 Sample Concentrator / Evaporator	NIL
ANE50	50 Sample Concentrator / Evaporator	NIL
ANE24	24 Sample Concentrator / Evaporator	NIL
ANE08	08 Sample Concentrator / Evaporator	NIL

IR-FTIR ACCESSORIES

Pellet Die Set

A



Pellet Die Set (Circle)

- Hardened Stainless Steel
- Highly Polished pellets
- Evacuatable for sample pellet clarity and quality

Die Size	5mm	10mm	13mm	20mm	25mm	32mm	40mm	50mm	60mm
Part No.:	DS5	DS10	DS13	DS20	DS25	DS32	DS40	DS50	DS60
Part No. Total Height	2.75"	2.75"	2.83"	4.265"	4.75"	2.75"	2.85"	4.625"	4.75"
Plunger Height	1.37"	1.37"	1.37"	2.24"	2.24"	1.37"	1.33"	2.24"	2.24"
Base Diameter	1.97"	1.97"	2.0"	3.54"	3.54"	1.97"	1.97"	3.54"	3.54"
Single Anvil Height	0.25"	0.25"	0.25" 6.	0.375"	0.375"	0.25"	0.27"	0.375"	0.375"
Price	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil



Pellet Die Set (Square)

- Hardened Stainless Steel
- Highly Polished pellets
- Evacuatable for sample pellet clarity and quality

Die Size	5x5mm	10x10mm	13x13mm	20x20mm	25x25mm	32x32mm	40x40mm	50x50mm	60x60mm
Part No.:	SDS5	SDS10	SDS13	SDS20	SDS25	SDS32	SDS40	SDS50	SDS60
Part No. Total Height	2.75"	2.75"	2.83"	4.265"	4.75"	2.75"	2.85"	4.625"	4.75"
Plunger Height	1.37"	1.37"	1.37"	2.24"	2.24"	1.37"	1.33"	2.24"	2.24"
Base Diameter	1.97"	1.97"	2.0"	3.54"	3.54"	1.97"	1.97"	3.54"	3.54"
Single Anvil Height	0.25"	0.25"	0.25" 6.	0.375"	0.375"	0.25"	0.27"	0.375"	0.375"
Price	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

IR-FTIR ACCESSORIES

KBR Press

B



KBR Press Manual

Model	HP 15T	HP 25T	HP 40T
Pressure Range	0-15T	0-25T	0-40T
Piston Diameter	50 mm	85mm	95mm
Maximum Piston Stroke	20mm	25 mm	30 mm
Table Diameter	95 mm	95 mm	120 mm
Workspace	90×90×150mm	120×00×150mm	150×150×230mm
Pressure Stability	≤1MPa/5min	≤1MPa/5min	≤1MPa/5min
Weight	40kg	60kg	86kg
Exterior Size	280×210×400mm	300×270×425mm	380×210×500mm
Price	Nil	Nil	Nil



KBR Press Automatic

Technical Data:

- Max. Working Pressure: 135 Kg/sq.cm.
- Max. Daylight : 120 mm
- Electric Supply : 230 V AC Mains

Model	HP 15T	HP 25T
Pressure Range	0-15T	0-25T
Piston Diameter	50 mm	80mm
Maximum Piston Stroke	20mm	25 mm
Table Diameter	110 mm	110 mm
Workspace	90×90×150mm	120×00×150mm
Pressure Stability	≤1MPa/5min	≤1MPa/5min
Weight	90kg	120kg
Exterior Size	400×470×560mm	400×470×560mm
Price	Nil	Nil

IR-FTIR ACCESSORIES

IR-FTIR Accessories

C



Pellet Holder

Pellet Holders to suit the above sizes are manufactured by us, the standard being 13 mm Aluminum Anodized Pellet Holder.

Available Size : 8 mm & 13 mm



Universal Liquid Cell Holder

Useful for studying mulls films, solutions, and viscous liquids.

Demountable windows make re-polishing and replacement easy.

Available Size-

25 mm x 4 mm & 38 x 18 mm x4 mm



Mull Cell Holder

Useful for studying mulls films, solutions, and viscous liquids. Demountable windows make re-polishing and replacement easy.

(0.015, 0.025, 0.05, 0.1, 0.2, 0.5 mm).

Order 32 mm windows separately. Liquid cells require a drilled front window and an undrilled back window.

Available Size : 8 mm & 13 mm



Mortar Pestle Agate

Octagonal mortar and pestle sets feature highly polished grinding surface.

Made of naturally hard agate stone for use in laboratories demanding contamination-free results.



Mortar Pestle (Stainless steel)

Octagonal mortar and pestle sets feature highly polished grinding surface.

Made of naturally hard agate stone for use in laboratories demanding contamination-free results.



NaCl KBr Windows

Undrilled /Drilled back window Pair
Per Packet

- Excellent Transmission from 250mm – 16µm
- Ideal for FTIR Spectroscopy
- Potassium Bromide (KBr) Windows Also Available



KBr Powder

Potassium bromide (KBr) powder is used to prepare KBr pellets for infrared analysis.



Dry Box

Eliminate oxidation of stored parts.

So it is useful for storing parts such as precision metal parts, miniature devices, pharmaceutical substance, biotic specimens, battery, crystal, IC package module, optical lens or scientific precision instruments..etc.

HPLC Consumables



**Disposable Syringe Filters
(Disposable)**

Part No	Description	Price
NSF1322	Nylon Syringe Filter 13mm, 0.22um	NIL
NSF1345	Nylon Syringe Filter 13mm, 0.45um	NIL
NSF2522	Nylon Syringe Filter 25mm, 0.22um	NIL
NSF2545	Nylon Syringe Filter 25mm, 0.45um	NIL
PTFE1322	PTFE Syringe Filter 13mm, 0.22um	NIL
PTFE1345	PTFE Syringe Filter 13mm, 0.45um	NIL
PTFE2522	PTFE Syringe Filter 25mm, 0.22um	NIL
PTFE2545	PTFE Syringe Filter 25mm, 0.45um	NIL
PVDF1322	PVDF Syringe Filter 13mm, 0.22um	NIL
PVDF1345	PVDF Syringe Filter 13mm, 0.45um	NIL
PVDF2522	PVDF Syringe Filter 25mm, 0.22um	NIL
PVDF2545	PVDF Syringe Filter 25mm, 0.45um	NIL

	PVDF	PES	NYLON	PTFE
Membrane material and Pore size	PVDF 0.45µm	PES 0.45µm	Nylon 0.45µm	PTFE 0.22µm
Wettability	Hydrophobic	Hydrophilic	Hydrophilic	Hydrophobic
Housing Material	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Inlet/Outlet	Female luer lock/Male luer silp	Female luer lock/Male luer silp	Female luer lock/Male luer silp	Female luer lock/Male luer silp
Maximum Operating Temp(°C)	100	50	100	130
Filtration area(cm2)	2.89	2.89	2.89	0.92
Holdup volume (µl)	30	100	30	10
Volume Throughput (ml)	100	100	100	12
Bubble point(psi)	10	44.9	30	18



Sample Filtration Kits

Gas Tight Glass Syringe

Capacity : 10 ml.

Connection : Lure Male.

Syringe Filter Holder

MOC : SS 316L.

Filter Size : 13 mm , 25 mm.

Membrane Filter Paper

Pore Size : 0.45um.

Filter Dia.: 47 Mm.

Media Material : Nylon 66 Pkt/ 100.

Needles Set



ABS PLASTIC COLUMN STORAGE CABINET

Capacity : 120 HPLC columns (5 + 5 + 5 + 5 Drawers)

Dimension (WxHxD) : 280 x 1210 x 410mm

With Lock & key also Available

Part No	Description	Price
CSC-6P	Capacity : 60 HPLC columns (6 drawers)	NIL
CSC-12P	Capacity : 120 HPLC columns (6 + 6 drawers)	NIL

HPLC Consumables

Peek Fittings & Accessories **A**



Peek Ferrule

High Pressure Fittings Offer Extra Durability. They Are More Robust To Higher Temperatures, Solvent Exposure And Over-Tightening Than Standard PEEK Fittings.

They Are Available In A Variety Of Dimensions, All With Built-In Ferrules. Size 1/16



Peek Union

HPLC PEEK union for 0.25mm I.D. tubing.

1. Easy connection of transfer/solvent lines
2. Low dead volume
3. Completely inert and biocompatible



Peek Tees & Crosses

The 100% PEEK flowpath PEEK tees and crosses usable with most common organic and inorganic HPLC solvents without risking corrosion, fitting details with smooth transition of the taper into the threaded part. Connections to these PEEK tees and crosses can be made with any 10-32 fitting that uses polymeric ferrules.



Peek Coupler

PEEK Column Coupler delivers a low swept-volume connection while maintaining column efficiency.

Our couplers are an excellent option for reducing overall flow path volume while coupling two devices together. It is manufactured from biocompatible PEEK giving is excellent chemical resistance to virtually all commonly used solvents. It has a swept volume of 3.6uL, a thru-hole of .010" and a male to male thread configuration of 10-32 Coned.



Peek Adaptor

Designed for secure liquid-tight connections Adapters for semi-rigid tubing are color-coded by tubing size for easy identification. A two-piece nut and ferrule system provides a liquid-tight connection and withstands pressures up to 500 psi.

HPLC Consumables

Peek Fittings & Accessories **A**



Stainless Steel Union

1. Easy connection of transfer/solvent lines
2. Low dead volume
3. Completely inert and biocompatible



COLUMN END PLUGS

Column end plugs are used to prevent HPLC columns from drying out when not in use. Made of hard nylon, these end stoppers are available in packs of 10 and in different colors.

- **49027-01B** End plugs for HPLC columns. **Nylon 10-32** Thread. White. 100/Pack.
- **49027-06K** End plugs for HPLC columns. **Nylon 10-32** Thread. Green. 100/Pack.
- **49027-04W** End plugs for HPLC columns. **Nylon 10-32** Thread. Red 100/Pack.
- **49027-06K** End plugs for HPLC columns. **Nylon 10-32** Thread. Black. 100/Pack.
- **49027-04W** End plugs for HPLC columns. **Nylon 10-32** Thread. Blue . 100/Pack.



HPLC Safety Bottle Caps

HPLC Bottle Cap As Per (ISO Standard Inc A-620) Port -2,3,4

Material : White Tefzel Insert ETFE 9 (Ethylene tetrafluoroethylene)

Cap Size : GL45.

Port Size : 1/8 with Vent.



Manual Hand Crimper/De-Crimper

Perfect for chromatography and general crimping needs.

1. **Crimper sizes** available from 7.5mm, 8 mm , 11 mm, 13 mm, 20 mm to 32mm for a variety of seal types.
2. Hand Crimpers have an adjustable stop allowing the operator to consistently achieve a tightly crimped seal.
3. Crimper and decrimper available for flip off seals



Peek Tubings

Zeus manufactures the highest-quality tubing to meet the strictest demands of our customers' markets including the Aerospace and Automotive industries. From our line of uniform extruded tubing with inner diameters ranging all the way down to an astonishing 0.001" and wall thickness of 0.002", Zeus can supply the ideal product for your application.



Peek Tube Cutter

Cuts PEEK, PTFE, ETFE, and other polymeric tubing

No distortion to OD or ID

Ideal for the most demanding LC applications

Safety lock secures the blade Right angles and clean cuts are essential in LC to avoid leaks and dead volume.

This handy tool makes it easy to get burr-free, perpendicular ends on polymeric tubing without distorting the outside diameter and/or closing the inside diameter of the tubing.

Degassing Chamber

Degassing Chamber

Product Features of the Chamber

- Stainless steel chamber for long-term air-tightness performance.
- Burhani Vacuum chamber has a rounded edge at the top, for the protection of silicone gasket.
- Vacuum gauge is assembled on a separate port, so that the reading remains accurate even while pumping/venting the chamber.
- Gauge reading in both in Hg and Mpa.
- All kits are vacuum tested for 24 hours before packaging.
(leakage less than 2.0 inHg at 24 hours)
- Two-sided flippable vacuum gasket for better durability and reliability.
- The gasket is chemically resistant to butane and other solvents.
- 25 mm thickness Acrylic lid for long life and clear visibility.
- Strong elastic food grade silicone vacuum hose can connect/disconnect easily with the pump/chamber.
- 50um air filter on the vent valve to reduce air flow and prevent any dust/powder flowing into the chamber.
- Easy to install and low-cost to maintain: the chamber can be assembled in 5 minutes.
- 45 day complimentary warranty and life-long parts support.



Product Specifications

Vacuum Chamber : Stainless steel

Lid : Acrylic

Vacuum Gasket : Silicone, resistant to Butane and other solvents.

Vacuum Gauge Assembly : 0.5 in Hg accuracy.

Valve Assembly : Very high quality air-tight brass valves, with 50um filter on vent port

Vacuum Hose : 3.3' / 1 meter food grade collapse-proof silicone hose, 3mm wall thickness (8mm I.D, 14mm O.D)

Vacuum Pump Adapter : 3/8" hose barb to 1/4 SAE flare port.

Model No.	Capacity Gallon	Capacity Litres	Size Dia x Height (cm)
AE2010	0.82	3.2	20x10
AE2015	1.3	4.7	20x15
AE2020	1.7	6.3	20x20
AE2515	2	7.4	25x15
AE2525	3.3	12.3	25x25
AE2540	5.3	20	25x40
AE3020	3.8	14	30x20
AE3030	5.6	21	30x30
AE3045	8.5	32	30x45

Gas Sampling Bomb

Gas Sampling Bomb

We are manufacturer and supplier of Gas Sampling bombs.
 Consists of Sampling Cylinder as per Below Dimensions.
 Two Needle Valves, One Needle Valve is Straight type and other is Angle Type,
 One at Inlet and One at Outlet.
 Supporting Pipe Nipple may be used as per requirement.



PART No.	P NPT – F	Pressure Rating PSIG	Capacity (Internal Vol.) cm 3±5%	L mm	B mm	T mm
AE150	1/4"	5000	150	135	50.8	2.5
AE300	1/4"	5000	300	300	50.8	2.5
AE500	1/4"	5000	500	500	50.8	2.5
AE1000	1/4"	5000	1000	1000	88.9	4.6
AE2000	1/4"	5000	2000	2000	120	5.2
AE3000	1/4"	5000	3000	3000	120	5.2



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