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Specifications & Operating Parameters

**Maximum Operating Pressure**
150 psig (10.3 bar) @ 300°F (149°C)

**Inlet and Outlet Connections**
Inlet/Outlet: 2”–6” Flange
Drain Ports: 1/2”–3/4” FNPT
Vent Ports: 1/4”–1/2” FNPT

**Materials of Construction**
Head and Shell: 304L or 316L Stainless Steel
Connections: 304L or 316L Stainless Steel
Vent and Drain Plugs: 304L or 316L Stainless Steel
Mounting Legs: 304L Stainless Steel
Swing Bolts: Zinc Plated Steel

**Gaskets**
Buna N (FDA Grade)
Optional: EPR, Silicone, Viton or Teflon
Encapsulated Silicone

**Finish**
Glass Bead
Optional: Electro-polish, passivate or 134 epoxy coating

**Cartridge Type**
DOE style cartridges (maximum 2 5/8” diameter)
Optional: 222 and 226 adapters. For 2 3/4” diameter cartridges… order as 21USF, 32USF or 50USF housings

**Custom Options**
- Gauge Ports or Gauge Ports with Pressure Gauges
See Ordering Guide for complete selection of options

- ASME "U" code design housings for commercial and industrial filtration needs
- Heavy-duty 304L or 316L stainless steel construction for maximum durability
- 150 psig (10.3 bar) @ 300°F (149°C) design pressure
- Swing bolt closure with lifting davit for easy cartridge change-outs and secure sealing
- Holds four (4) to fifty-two (52) cartridges up to 40’ lengths to service a wide range of flow rates
- Accepts standard double open-ended (DOE) style cartridges (222 and 226 style adapters are optional)
- Knife edge seals eliminate bypass on DOE cartridges
- Top spring seals allow for cartridge length variations
- Flange inlet and outlet connections allow for easy piping
Drain connections permit quick evacuation of housing
- Equipped with heavy-duty stainless steel mounting legs
- For information on filter cartridges, flow charts and drawings visit our website or call the factory

**Applications**
Water
Chemicals
Electronics
Power
Coolants
Desalination
Food & Beverage
Oil / Gas
Inks / Paints / Coatings
Pulp & Paper

www.commercialfiltrationsupply.com
Blank = DOE Style Cartridges
(Standard)

7 USF = 7 (10"-40") 49-196 (185-742) 2" 68 1/2" (174.0 cm) 15 3/8" (39.1 cm) 10" (25.4 cm)

22 USF = 22 (30"-40") 462-616 (1749-2332) 4" 62 3/16" (158 cm) 15 1/4" (38.7 cm) 9 1/2" (24.1 cm)

36 USF** = 36 (30"-40") 756-1008 (2862-3816) 6" 74 3/4" (189.9 cm) 32 3/8" (82.2 cm) 14" (35.6 cm)

52 USF = 52 (30"-40") 1092-1456 (4134-5512) 6" 75 15/16" (192.9 cm) 32 3/8" (82.2 cm) 14" (35.6 cm)

Housings will accept cartridge lengths: 30" = (29 1/4" or 30") and 40" = (39" or 40"

** Based upon 7 gpm per 10" length with a 25 micron wound cartridge at 2 PSID clean and viscosity of 1 cps. Flow rates are for guidelines only.

** When using 222 or 226 connectors with 2 3/4" OD filter cartridges in a 36USF housing, you must change to a 21USF housing (21 round).
When using 222 or 226 connectors with 2 3/4" OD filter cartridges in a 36USF housing, you must change to a 32USF housing (32 round).
When using 222 or 226 connectors with 2 3/4" OD filter cartridges in a 52USF housing, you must change to a 58USF housing (59 round).

Note: Dimensions are for reference purposes only. Detailed dimensional drawings are available. Please contact Shelco’s technical support staff for additional information.

** Available in 4USF, 5USF and 7USF models

Customization
Housings may be customized to meet your precise requirements. Contact Shelco’s technical support staff or your distributor for more information.

Ordering Guide (Example: 12USF3SB-316-222-6F-GP-B)

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Dimensions

For pricing and information please call
Commercial Filtration Supply at (855)-236-0467

Visit us Online at: www.commercialfiltrationsupply.com
for more filtration products.