RH Series

Single Cartridge Filter Housings with Ring Nut Closure





- Designed for industrial and commercial filter applications
- · Heavy duty construction for maximum durability
- Various materials of construction for a wide range of process requirements
 - -316L stainless steel
 - Brass head with 304L Stainless Steel body
- Accepts Double Open End (DOE) and Single Open End (SOE) 213 Internal O-ring
- Available with 1/2", 3/4" and 1" in-line connections for easy installation.
- · Ring nut closure for quick cartridge change outs
- Spring loaded knife edge seal provides positive sealing for variable length cartridges
- · Supplied with mounting bracket kit and wrench
- Numerous gasket options for compatibility with most fluids

Applications

Water Chemicals
Food & Beverage Electronics

Oil Inks / Paints / Coatings

Coolants Pulp & Paper

Specifications & Operating Parameters

Maximum Operating Pressure

300 psig (20.7 bar) @ 200°F (93°C)

Connections

Inlet /Outlet: 1/2", 3/4" or 1" FNPT

Optional: BSPT, BSPP, Sanitary Ferrules

Drain: RHS - 1/4" NPT Plug RHB - 1/4" NPT Petcock

Materials of Construction

Head / Shell: RHS 316L SS / 316L SS

RHB Brass / 304L Stainless Steel

Drain: RHS - 316L SS Plug

RHB - Brass Petcock

Ring: RHS -Nickel Plated Brass

RHB - Brass

Gaskets

Buna N (FDA Grade)

Optional: EPR, Silicone, Viton

Cartridge Type

DOE and SOE 213 Internal O-ring

Custom Options

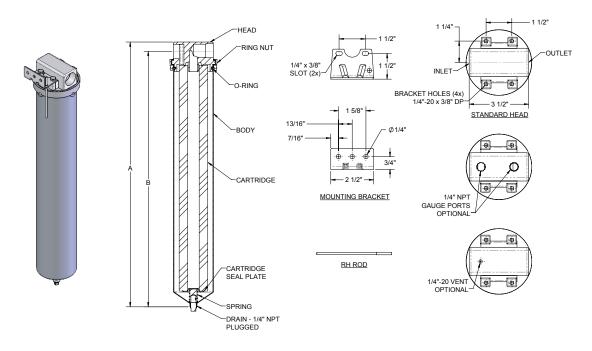
- Gauge Ports
- Vent Port with Vent Screw

See Ordering Guide for complete selection of options

| MODEL | QUANTITY (LENGTH) OF CARTRIDGES | MAXIMUM FLOW RATE* GPM (LPM) | MAXIMUM DIAMETER CARTRIDGE | DRAIN SIZE | DIMENSIONS | |
|-------|------------------------------------|------------------------------------|----------------------------------|---------------|--------------------|-------------------|
| | | | | | Α | В |
| RH-39 | 1 (4 7/8 - 5") | 3 1/2 (13.3) | 2 3/4" | 1/4" | 8 9/16" (21.7 cm) | 7 3/4" (19.7 cm) |
| RH-78 | 1 (9 3/4 - 10") | 7 (26.5) | 2 3/4" | 1/4" | 13 9/16" (34.4 cm) | 12 3/4" (32.4 cm) |
| RH-80 | 1 (19 1/2 - 20") | 14 (53) | 2 3/4" | 1/4" | 23 9/16" (59.8 cm) | 22 3/4" (57.8 cm) |
| RH-90 | 1 (30") | 21(79.5) | 2 3/4" | 1/4" | 33 9/16" (85.2 cm) | 32 3/4" (83.2 cm) |

^{*} Based upon 7 gpm (26.5 lpm) per 10" cartridge length with a 25 micron wound cartridge at 2 PSID clean and a viscosity of 1 cps. Flow rates are guidelines only. Actual flow rates are based upon fluid, viscosity, cartridge type, micron ratings and other factors

Dimensions



Ordering Guide (Example: RHS-786A-E)

| RH | S | - 78 | 6A | | В |
|-------|---|---|--------------------------------|---|---|
| MODEL | MATERIAL | CARTRIDGE LENGTH | PIPE SIZE FNPT | OPTIONS | GASKET |
| RH | S = 316L Stainless Steel with Stainless Steel Plug B = Brass Head with 304L Stainless Steel Sump and Nickel Plated Brass Ring Nut and Brass Petcock | 39 = 47/8-5" 78 = 93/4-10" 80 = 191/2-20" 90 = 291/2-30" | 4 = 1/2" 6 = 3/4" 8 = 1" | Blank = None BSP = BSP thread 1TC = 1"Ferrules 150 psi GP4 = 1/4" Gauge Ports Vent = Vent Screw | B = Buna N (Standard) E = EPR S = Silicone V = Viton |

Customization

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