

## 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 rod 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 / Sump: 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

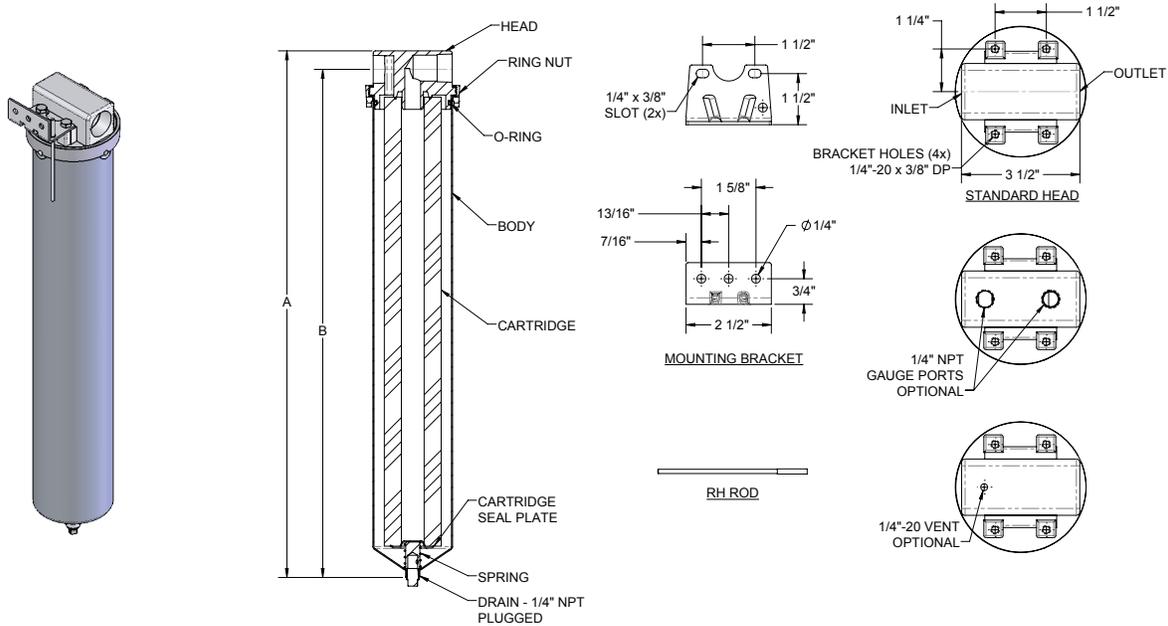
- Vent Port with Vent Screw

*See Ordering Guide for complete selection of options*

MODEL	QUANTITY (LENGTH) OF CARTRIDGES	MAXIMUM FLOW RATE* GPM (LPM)	MAXIMUM DIAMETER CARTRIDGE	DRAIN SIZE	DIMENSION A	DIMENSION B
RH-39	1 (4 7/8 - 5")	2 1/2 (9.46)	2 3/4"	1/4"	8 9/16" (21.7 cm)	7 3/4" (19.7 cm)
RH-78	1 (9 3/4 - 10")	5 (18.93)	2 3/4"	1/4"	13 9/16" (34.4 cm)	12 3/4" (32.4 cm)
RH-80	1 (19 1/2 - 20")	10 (37.85)	2 3/4"	1/4"	23 9/16" (59.8 cm)	22 3/4" (57.8 cm)
RH-90	1 (30")	15 (56.78)	2 3/4"	1/4"	33 9/16" (85.2 cm)	32 3/4" (83.2 cm)

\* Based on 5 gpm (18.93 lpm) per 10" cartridge length with a 20 micron wound cartridge at 1 PSID clean drop 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	-	E	
MODEL	MATERIAL *		CARTRIDGE LENGTH	PIPE SIZE FNPT		OPTIONS +	GASKET
RH	S = 316L Stainless Head and Sump and Nickel Plated Brass Ring Nut with Stainless Steel Plug  B = Brass Head with 304L Stainless Steel Sump and Brass Ring Nut and Brass Petcock		39 = 4 7/8-5" 78 = 9 3/4-10" 80 = 19 1/2-20" 90 = 29 1/2 -30"	4 = 1/2" 6 = 3/4" 8 = 1"		Blank = None BSPP = Parallel thread BSPT = Tapered thread 1TC = 1" Ferrules 150 psi GP4 = 1/4" Gauge Ports Vent = Vent Screw Inlet	Blank = Buna N (Standard) E = EPR S = Silicone V = Viton

\* RHB is not to be used with potable drinking water or food grade products

+ GP4 not available on 1" inlet and outlet ports

## Customization

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



### Shelco Filters

100 Bradley Street  
Middletown, CT 06457 USA

Tel: 800-543-5843 / Fax: 860-854-6120 / E-mail: [info@shelco.com](mailto:info@shelco.com)

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From globally sourced materials