

SH and SHJ Series Filter Housings

Stainless Steel Single-Element Housings for Liquid Service

The SH and SHJ series of single-element industrial filter housings from Delta Pure Filtration combine the robustness of 304 or 316 stainless steel construction with the economics of a streamlined design. The housing employs an easy-to-use ring-nut closure and reliable double O-ring seal. These housings are designed to withstand 150-200 psig depending on model (see specifications section). Each filter-housing accepts one DOE (double open end) filter utilizing a knife-edge-seal. The SH series housings accept filters of up to 2 ¾" diameter and lengths up to 30", while the SHJ series accepts filters up to 4.5" diameter in lengths up to 20". A spring loaded bottom seal provides cartridge length flexibility. Inlet/outlet range from ¾" – 1 ½" fNPT. Drains are 1/8" fNPT or ¼" fNPT.



SH / SHJ Series single-element filter housings accept a variety of filter diameters and lengths.

The SH and SHJ Series Filter Housings are compatible with a wide range of fluids, and come standardly with EPDM O-rings.

Viton® (or equivalent FKM elastomer), as well as "FDA silicone" are also available. Various filter cartridge types can be installed, including String Wound, Melt Blown, Pleated, Carbon, Resin Bonded, Stainless Steel and others.

Each SH and SHJ housing is supplied with a torquing bar to assist with ring nut closure. An optional wrench is also available. Each filter housing is supplied with a zinc-plated steel mounting bracket. Integral differential pressure gages are optional and available for some inlet/outlet sizes.

Viton® is a registered trademark of Dupont.



An optional integral differential pressure gage alerts the filter user to change-out conditions.

Specifications

Service: Liquid Only

Do not use for pressurized gas.

Rating for SH Series

200 PSI (13.8 Bar) and 200 F (97 C)

Rating for SHJ Series

150 PSI (10.3 Bar) and 200 F (97 C)

SH and SHJ Series

Stainless Steel Single Element Filter Housings

Model/Code Ordering Information

SH Series Housings

Housing Part Number	Materials of Construction	Accepted Filter Height	Accepted Filter Diameter	Inlet/Outlet	Integral Differential Pressure Gage	Overall Height L1 / L2 (except for gage)	Approx. Weight Empty / Full Water
304 SST, EPDM							
SH-10	304 SST, EPDM	9.75"-10"	2.5"-2.75"	3/4" NPT	no	13.23" / 13.90"	4.4 / 8.1 lb
SH-10-G	304 SST, EPDM	9.75"-10"	2.5"-2.75"	3/4" NPT	YES	13.23" / 13.90"	4.7 / 8.4 lb
SH-10-1	304 SST, EPDM	9.75"-10"	2.5"-2.75"	1" NPT	no	13.90" / 15.12"	5.1 / 8.8 lb
SH-20	304 SST, EPDM	19.5"-20"	2.5"-2.75"	3/4" NPT	no	23.35" / 24.02"	5.5 / 12.8 lb
SH-20-G	304 SST, EPDM	19.5"-20"	2.5"-2.75"	3/4" NPT	YES	23.35" / 24.02"	5.8 / 13.1 lb
SH-20-1	304 SST, EPDM	19.5"-20"	2.5"-2.75"	1" NPT	no	24.02" / 25.24"	6.1 / 13.4 lb
SH-30	304 SST, EPDM	29.5"-30"	2.5"-2.75"	3/4" NPT	no	33.35" / 34.02"	6.8 / 17.6 lb
SH-30-G	304 SST, EPDM	29.5"-30"	2.5"-2.75"	3/4" NPT	YES	33.35" / 34.02"	7.1 / 17.9 lb
SH-30-1	304 SST, EPDM	29.5"-30"	2.5"-2.75"	1" NPT	no	34.02" / 35.24"	7.5 / 18.3 lb
316 SST, EPDM							
SH-10-6	316 SST, EPDM	9.75"-10"	2.5"-2.75"	3/4" NPT	no	13.23" / 13.90"	4.4 / 8.1 lb
SH-10-6-G	316 SST, EPDM	9.75"-10"	2.5"-2.75"	3/4" NPT	YES	13.23" / 13.90"	4.7 / 8.4 lb
SH-10-6-1	316 SST, EPDM	9.75"-10"	2.5"-2.75"	1" NPT	no	13.90" / 15.12"	5.1 / 8.8 lb
SH-20-6	316 SST, EPDM	19.5"-20"	2.5"-2.75"	3/4" NPT	no	23.35" / 24.02"	5.5 / 12.8 lb
SH-20-6-G	316 SST, EPDM	19.5"-20"	2.5"-2.75"	3/4" NPT	YES	23.35" / 24.02"	5.8 / 13.1 lb
SH-20-6-1	316 SST, EPDM	19.5"-20"	2.5"-2.75"	1" NPT	no	24.02" / 25.24"	6.1 / 13.4 lb

SHJ Series Housings

Housing Part Number	Materials of Construction	Accepted Filter Height	Accepted Filter Diameter	Inlet/Outlet	Integral Differential Pressure Gage	Overall Height L1 / L2	Approx. Weight Empty / Full Water
304 SST, EPDM							
SHJ-10-1	304 SST, EPDM	9.75"-10"	4.5"	1" NPT	no	15.12"/16.89"	7.1 / 15.2 lb
SHJ-10-1.5	304 SST, EPDM	9.75"-10"	4.5"	1.5" NPT	no	Contact Delta Pure	Contact Delta Pure
SHJ-20-1	304 SST, EPDM	19.5"-20"	4.5"	1" NPT	no	25.20"/26.97"	9.5 / 24.2 lb
SHJ-20-1.5	304 SST, EPDM	19.5"-20"	4.5"	1.5" NPT	no	Contact Delta Pure	Contact Delta Pure

Spare Parts SH Series

Wrench to torque ring clamp: **SH-105**
 Mounting bracket (zinc plated steel): **SH-104**
 EPDM seal kit (two different seals): **SH-106**
 FKM seal kit (two different seals): **SH-106-V**
 FDA Silicone kit (two diff. seals): **SH-106-S-FDA**

Spare Parts SHJ Series

Wrench to torque ring clamp: **SHJ-105**
 Mounting bracket (zinc plated steel): **SHJ-104**
 EPDM seal kit (two different seals): **SHJ-106**
 FKM seal kit (two different seals): **SHJ-106-V**
 FDA Silicone kit (two diff. seals): **SHJ-106-S-FDA**

Notes

- For Viton(R) (trademark of Dupont) or equivalent FKM seal, use part number suffix "V". For FDA silicone, use suffix "S". Examples: *SH-10-V* or *SH-20-6-V-G* or *SHJ-20-1.5-S*
- If you don't see what you need, please ask.

