



Graver Technologies

Filtration | Separation | Purification

SHP™ Series Filter Housings

High-Purity Sanitary Housings

The SHP Series of sanitary housings are engineered using 3A sanitary standards for filtration applications involving ultrapure chemical systems, ultrapure water or critical process streams requiring sanitary production stream. These rugged vessels are constructed entirely of 316L stainless steel to optimize corrosion resistance. Design characteristics minimize hold-up volumes, provide for easy draining and optimized cleanability. Available as "T" style or inline (one round only).

Features–Benefits

- Constructed of 316L stainless steel wetted parts
Maximum corrosion resistance and purity
- Meets 3A Sanitary Design Standards
- Unique bolt-down design on multi-round
Simple, convenient and assures seal integrity
- Easy draining
Tapered bottom permits complete draining
- Available in one round to 7 round, from 10" to 40" high
- Accommodates industry standard 222 and 226 cartridge configurations

Product Specifications

Materials:	316L Stainless Steel wetted parts EPDM O-ring (other options available)
Filter connections:	226, 222
Closure:	304 SS Clamp (1 round only) Opti-Clamp Bolt down
Surface Finish:	
External surfaces:	20 RA, Electropolished
Internal surfaces:	20 RA, Electropolished

Dimensions

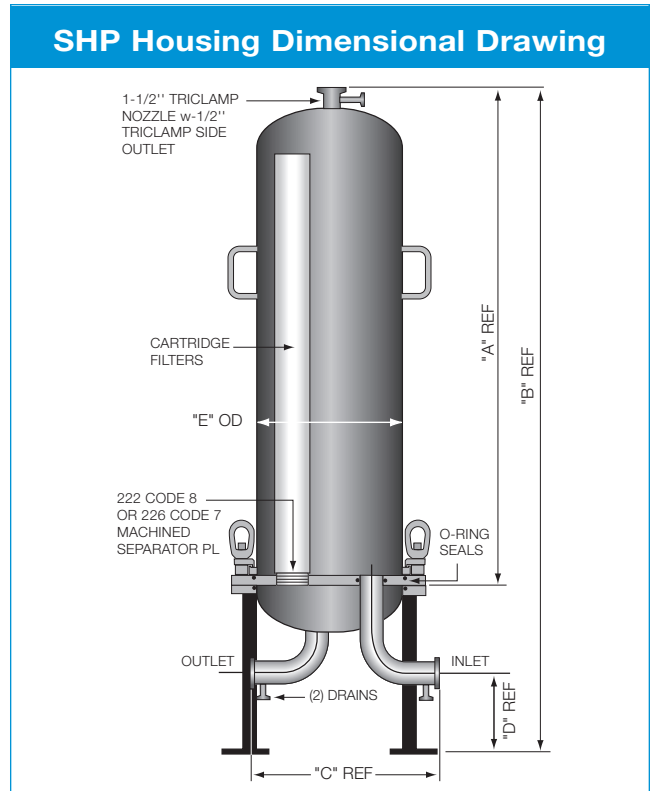
Sizes:	1, 3, 5, 7 Round
Filter Lengths:	10", 20", 30", 40" (25.4, 50.8, 76.2, 101.6 cm)

Operating Parameters

Maximum operating pressure:	125 psi @ 200°F (8.6 bar @ 93°C)
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Typical Applications

- Ultrapure Chemicals
- Wine/Beer
- Diagnostics
- Ultrapure Water
- Vaccines



SHP Housing Nomenclature Information

5SHP	3	-222	-TC	-TC	-2	-E	-EP
Model 1SHP, 1SHP-L Inline, 3SHP, 5SHP, 7SHP Series			Vent/Drain TC Triclamp			Gasket S Silicone E EPDM V Viton T Teflon encap. Viton	EP Electropolished
Cartridge Height (10" lengths) 1, 2, 3, 4			Inlet/Outlet TC Triclamp				
Cartridge Connection 222, 226			Inlet/Outlet Size 1 1" 1.5 1.5" 2 2"				

Example: 5SHP 3-222-TC-TC-2-E-EP

SHP Housing Dimensional Data

Model	Vent/Drain	Inlet/Outlet	A	B	C	D	E
1SHP-1*	½" Triclamp/1.4"	1.0" Triclamp	13.75"	22.0"	9.75"	6.0"	4.0"
1SHP-2*	½" Triclamp/1.4"	1.0" Triclamp	23.75"	32.0"	9.75"	6.0"	4.0"
1SHP-3*	½" Triclamp/1.4"	1.0" Triclamp	33.75"	42.0"	9.75"	6.0"	4.0"
1SHP-L1*	½" Triclamp/1.4"	1.5" Triclamp	13.75"	19.5"	NA	NA	4.0"
1SHP-L2*	½" Triclamp/1.4"	1.5" Triclamp	23.75"	29.5"	NA	NA	4.0"
1SHP-L3*	½" Triclamp/1.4"	1.5" Triclamp	33.75"	39.5"	NA	NA	4.0"
3SHP-1	½" Triclamp/1.4"	2" Triclamp	15.90"	28.50"	13.55"	6.0"	6.6"
3SHP-2	½" Triclamp/1.4"	2" Triclamp	25.90"	38.50"	13.55"	6.0"	6.6"
3SHP-3	½" Triclamp/1.4"	2" Triclamp	35.90"	48.50"	13.55"	6.0"	6.6"
3SHP-4	½" Triclamp/1.4"	2" Triclamp	45.90"	58.50"	13.55"	6.0"	6.6"
5SHP-1	½" Triclamp/1.4"	2" Triclamp	15.65"	28.25"	14.38"	6.0"	10.75"
5SHP-2	½" Triclamp/1.4"	2" Triclamp	25.65"	38.25"	14.38"	6.0"	10.75"
5SHP-3	½" Triclamp/1.4"	2" Triclamp	35.65"	48.25"	14.38"	6.0"	10.75"
5SHP-4	½" Triclamp/1.4"	2" Triclamp	45.65"	58.25"	14.38"	6.0"	10.75"
7SHP-1	½" Triclamp/1.4"	2" Triclamp	15.65"	28.25"	14.38"	6.0"	10.75"
7SHP-2	½" Triclamp/1.4"	2" Triclamp	25.65"	38.25"	14.38"	6.0"	10.75"
7SHP-3	½" Triclamp/1.4"	2" Triclamp	35.65"	48.25"	14.38"	6.0"	10.75"
7SHP-4	½" Triclamp/1.4"	2" Triclamp	45.65"	58.25"	14.38"	6.0"	10.75"

* Top open design

For more information

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