



Graver Technologies

Filtration | Separation | Purification

IHP™ Series Filter Housings

High-Purity Industrial Housings

The IHP Series of industrial housings are engineered for filtration applications involving chemical systems, high-purity water or critical process streams requiring high-purity output. 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 bottom open "T" style for 3 round – 7 round and top open "T" style for 12 and 21 round.

Features–Benefits

- Constructed of 316L stainless steel wetted parts
Maximum corrosion resistance and purity
- Unique bolt-down design
Simple, convenient and assures seal integrity
- Easy draining
Tapered bottom permits complete draining
- Available in three round to 21 round, from 10" to 40" high
- Accommodates industry standard cartridge configurations

Product Specifications

Materials:	316L Stainless Steel EPDM O-ring (other options available)
Filter connections:	DOE, 226, 222
Closure:	Opti-Clamp Bolt down
Surface Finish:	
External surfaces:	Bead-blasted and passivated
Internal surfaces:	Mill finish and passivated

Dimensions

Sizes:	3, 5, 6, 7, 12, 21 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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Available Options

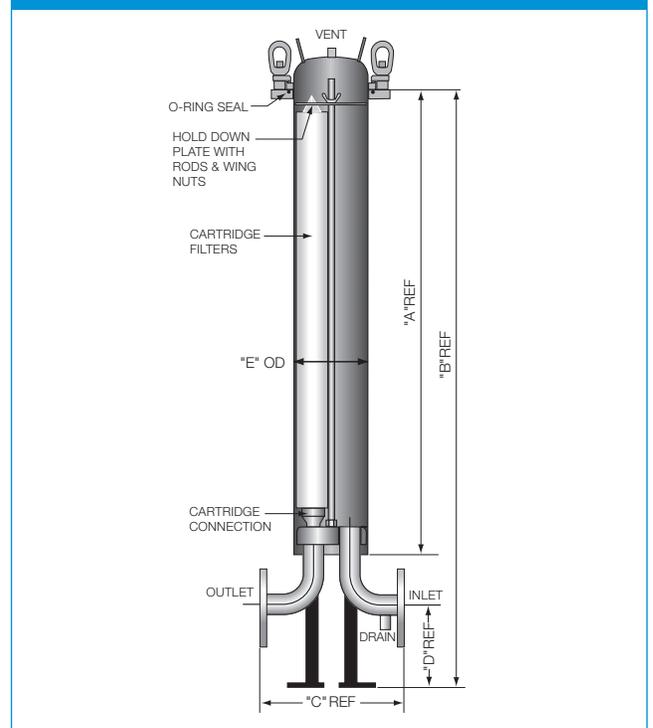
- 150lb ANSI raised face flange
- Multiple Triclamp/NPT Inlet/Outlet sizes
- Electropolished

Typical Applications

- High Purity Chemicals
- Edible Oils
- High Purity Water
- Beverages



IHP Housing Dimensional Drawing



IHP Housing Nomenclature Information

<p style="text-align: center;">5IHP</p> <p>Model 3IHP, 5IHP, 6IHP, 7IHP, 12IHP, 21IHP Series</p> <p>Cartridge Height (10" lengths) 1, 2, 3, 4</p> <p>Cartridge Connection DOE, 222, 226</p>	3	-222	-NPT	-NPT	-2	-E	-EP
			<p>Vent/Drain NPT, TC</p> <p>Inlet/Outlet NPT, TC, F</p> <p>Inlet/Outlet Size 2 2" 3 3" 4 4"</p>			<p>Gasket S Silicone E EPDM V Viton T Teflon encap. Viton</p>	<p>Option EP Electropolished</p>

Example: 5IHP 3-222-NPT-NPT-2-E-EP

IHP Housing Dimensional Data

Model	Vent/Drain	Inlet/Outlet	A	B	C	D	E
3IHP-1	½" Triclamp/NPT	2" Triclamp/NPT	18.25"	28.50"	13.50"	6.0"	6.6"
3IHP-2	½" Triclamp/NPT	2" Triclamp/NPT	28.35"	38.50"	13.50"	6.0"	6.6"
3IHP-3	½" Triclamp/NPT	2" Triclamp/NPT	38.25"	48.50"	13.50"	6.0"	6.6"
3IHP-4	½" Triclamp/NPT	2" Triclamp/NPT	48.25"	58.50"	13.50"	6.0"	6.6"
5IHP-1	½" Triclamp/NPT	2" Triclamp/NPT	18.25"	28.50"	13.0"	6.0"	8.62"
5IHP-2	½" Triclamp/NPT	2" Triclamp/NPT	28.35"	38.50"	13.0"	6.0"	8.62"
5IHP-3	½" Triclamp/NPT	2" Triclamp/NPT	38.25"	48.50"	13.0"	6.0"	8.62"
5IHP-4	½" Triclamp/NPT	2" Triclamp/NPT	48.25"	58.50"	13.0"	6.0"	8.62"
7IHP-1	½" Triclamp/NPT	2 or 3" Triclamp/NPT	19.50"	31.75"	18.13"	6.50"	10.0"
7IHP-2	½" Triclamp/NPT	2 or 3" Triclamp/NPT	29.50"	41.75"	18.13"	6.50"	10.0"
7IHP-3	½" Triclamp/NPT	2 or 3" Triclamp/NPT	39.50"	51.75"	18.13"	6.50"	10.0"
7IHP-4	½" Triclamp/NPT	2 or 3" Triclamp/NPT	49.50"	61.75"	18.13"	6.50"	10.0"
12IHP-1*	½" Triclamp/NPT	3 or 4" Triclamp/NPT	21.50"	33.75"	19.75"	6.50"	12.75"
12IHP-2*	½" Triclamp/NPT	3 or 4" Triclamp/NPT	31.50"	43.75"	19.75"	6.50"	12.75"
12IHP-3*	½" Triclamp/NPT	3 or 4" Triclamp/NPT	41.50"	53.75"	19.75"	6.50"	12.75"
12IHP-4*	½" Triclamp/NPT	3 or 4" Triclamp/NPT	51.50"	63.75"	19.75"	6.50"	12.75"
21IHP-1*	½" Triclamp/NPT	3 or 4" Triclamp/NPT	20.50"	35.75"	25.0"	6.50"	18.0"
21IHP-2*	½" Triclamp/NPT	3 or 4" Triclamp/NPT	30.50"	45.75"	25.0"	6.50"	18.0"
21IHP-3*	½" Triclamp/NPT	3 or 4" Triclamp/NPT	40.50"	55.75"	25.0"	6.50"	18.0"
21IHP-4*	½" Triclamp/NPT	3 or 4" Triclamp/NPT	50.50"	65.75"	25.0"	6.50"	18.0"

* Top open design

For more information

Graver Technologies Customer Service: **1-888-353-0303**

Technical Support: **1-888-353-0303**

E-mail us at **info@gravertech.com**

Graver Technologies Europe (UK): **+44-1424-777791**

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DISTRIBUTED BY:



Graver Technologies

200 Lake Drive
Glasgow,
DE 19702 U.S.A.

302-731-1700
800-249-1990
Fax: 302-369-0938

e-mail: info@gravertech.com
web site: www.gravertech.com

