



Graver Technologies

Filtration | Separation | Purification

IHP™ Series Industrial 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.

Housing Features-Benefits

- Constructed of 316L stainless steel
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

Housing Specifications

Materials:

316L Stainless Steel

EPDM O-ring (other options available)

Filter Connections:

DOE, 226, 222

Sizes:

3, 5, 7, 12, 21 Round: 10", 20", 30", 40"

Closure:

Opti-Clamp Bolt down

Maximum Pressure Rating:

125psi @ 200°F

Surface Finish:

External surfaces: Bead-blasted and passivated

Internal surfaces: Mill finish and passivated

Available Options

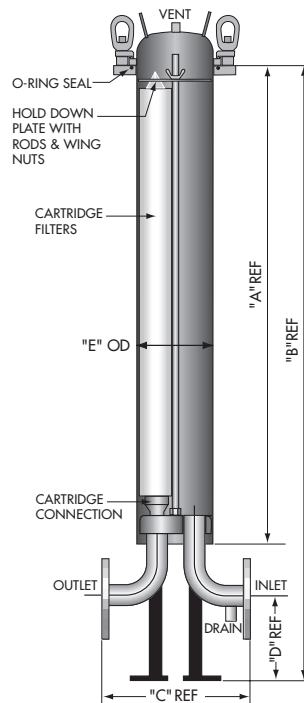
- 150lb ANSI raised face flange
- Multiple Triclamp/NPT Inlet/Outlet sizes
- Electropolished

Applications

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



IHP SERIES INDUSTRIAL FILTER HOUSINGS



IHP Series Industrial Filter Housings Dimensional Data

| Model | Vent/Drain | Inlet/Outlet | A | B | C | D | E |
|----------|-------------------|-----------------|--------|--------|--------|-------|--------|
| 3IHP-1 | 1/2" Triclamp/NPT | 2" Triclamp/NPT | 18.25" | 28.50" | 13.50" | 6.0" | 6.6" |
| 3IHP-2 | 1/2" Triclamp/NPT | 2" Triclamp/NPT | 28.35" | 38.50" | 13.50" | 6.0" | 6.6" |
| 3IHP-3 | 1/2" Triclamp/NPT | 2" Triclamp/NPT | 38.25" | 48.50" | 13.50" | 6.0" | 6.6" |
| 3IHP-4 | 1/2" Triclamp/NPT | 2" Triclamp/NPT | 48.25" | 58.50" | 13.50" | 6.0" | 6.6" |
| 5IHP-1 | 1/2" Triclamp/NPT | 2" Triclamp/NPT | 18.25" | 28.50" | 13.0" | 6.0" | 8.62" |
| 5IHP-2 | 1/2" Triclamp/NPT | 2" Triclamp/NPT | 28.35" | 38.50" | 13.0" | 6.0" | 8.62" |
| 5IHP-3 | 1/2" Triclamp/NPT | 2" Triclamp/NPT | 38.25" | 48.50" | 13.0" | 6.0" | 8.62" |
| 5IHP-4 | 1/2" Triclamp/NPT | 2" Triclamp/NPT | 48.25" | 58.50" | 13.0" | 6.0" | 8.62" |
| 7IHP-1 | 1/2" Triclamp/NPT | 2" Triclamp/NPT | 19.50" | 31.75" | 18.13" | 6.50" | 10.0" |
| 7IHP-2 | 1/2" Triclamp/NPT | 2" Triclamp/NPT | 29.50" | 41.75" | 18.13" | 6.50" | 10.0" |
| 7IHP-3 | 1/2" Triclamp/NPT | 2" Triclamp/NPT | 39.50" | 51.75" | 18.13" | 6.50" | 10.0" |
| 7IHP-4 | 1/2" Triclamp/NPT | 2" Triclamp/NPT | 49.50" | 61.75" | 18.13" | 6.50" | 10.0" |
| 12IHP-1* | 1/2" Triclamp/NPT | 3" Triclamp/NPT | 21.50" | 33.75" | 19.75" | 6.50" | 12.75" |
| 12IHP-2* | 1/2" Triclamp/NPT | 3" Triclamp/NPT | 31.50" | 43.75" | 19.75" | 6.50" | 12.75" |
| 12IHP-3* | 1/2" Triclamp/NPT | 3" Triclamp/NPT | 41.50" | 53.75" | 19.75" | 6.50" | 12.75" |
| 12IHP-4* | 1/2" Triclamp/N | 3" Triclamp/NPT | 51.50" | 63.75" | 19.75" | 6.50" | 12.75" |
| 21IHP-1* | 1/2" Triclamp/N | 4" Triclamp/NPT | 20.50" | 35.75" | 25.0" | 6.50" | 18.0" |
| 21IHP-2* | 1/2" Triclamp/N | 4" Triclamp/NPT | 30.50" | 45.75" | 25.0" | 6.50" | 18.0" |
| 21IHP-3* | 1/2" Triclamp/N | 4" Triclamp/NPT | 40.50" | 55.75" | 25.0" | 6.50" | 18.0" |
| 21IHP-4* | 1/2" Triclamp/N | 4" Triclamp/NPT | 50.50" | 66.75" | 25.0" | 6.50" | 18.0" |

* Top open design

Selection & Ordering Guide for IHP Series Industrial Filter Housings *(Select one from each column)*

| Model | Cartridge Height | Cartridge Connection | Vent/Drain | Inlet/Outlet Connection | Inlet/Outlet Size (inches) | Gasket |
|--|------------------|----------------------|----------------|-------------------------|----------------------------|--------------|
| 3IHP | 1 – 10" | P - DOE | TC - Triclamp | TC - Triclamp | 1.5 | E - EPDM |
| 5IHP | 2 – 20" | P7 - 226 | NPT - Threaded | NPT - Threaded | 2 | V - Viton |
| 7IHP | 3 – 30" | P8 - 222 | | F - Flange | 3 | S - Silicone |
| 12IHP | 4 – 40" | | | | 4 | |
| 21IHP | | | | | 6 | |
| Example of a Typical Graver Technologies IHP Series Industrial Filter Housing | | | | | | |
| 7IHP | - 3 | - P8 | - NPT | - F | - 2 | - E |

All information and recommendations appearing in this bulletin concerning the use of products described herein are based on tests believed to be reliable. However, it is the user's responsibility to determine the suitability for his own use of such products. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Graver Technologies as to the effects of such use or the results to be obtained. Graver Technologies assumes no liability arising out of the use by others of such products. Nor is the information herein to be construed as absolutely complete, since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

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For more information

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