

CIH Industrial Filter Housings

Multiple Round Stainless Steel with Swing Bolt Closure

CIH housings are available in 304 SS or 316L SS with robust swing-bolt closures. All CIH housings are designed with universal cartridge cups, allowing use of DOE or 2-222 SOE cartridges with fin or flat end for a wide range of commercial and industrial applications.

Standard CIH housings have 2" MNPT or flanged inlet/outlet ports with EP gaskets. The maximum cartridge diameter is 2 3/4" and includes a universal cartridge seal. Alternate port designs and gasket materials are available (refer to ordering information for options). All CIH housings are supplied with mounting legs and operations manual.

Critical Process provides unrivaled delivery times, technical consulting before purchasing, and very competitively priced high-performance products. Our comprehensive testing/analysis and validation services support your team whenever they need it. Your process experts partnering with our filtration experts is how we deliver your company's solution right the first time.

Construction Materials

| | |
|----------------|---|
| Housing | 304 Stainless Steel (standard) 316L Stainless Steel (optional) |
|----------------|---|

| | |
|--------------------------------|------|
| Standard Sealing Gasket | EPDM |
|--------------------------------|------|

Maximum Operating Parameters

| | |
|---------------------------|------------------|
| Operating Pressure | 150 psi (10 bar) |
|---------------------------|------------------|

| | |
|------------------------------|-----------------|
| Operating Temperature | 300 °F (149 °C) |
|------------------------------|-----------------|



4- to 80-Round Industrial Housings
Nominal Lengths – 10 in. to 40 in.

Standard Features

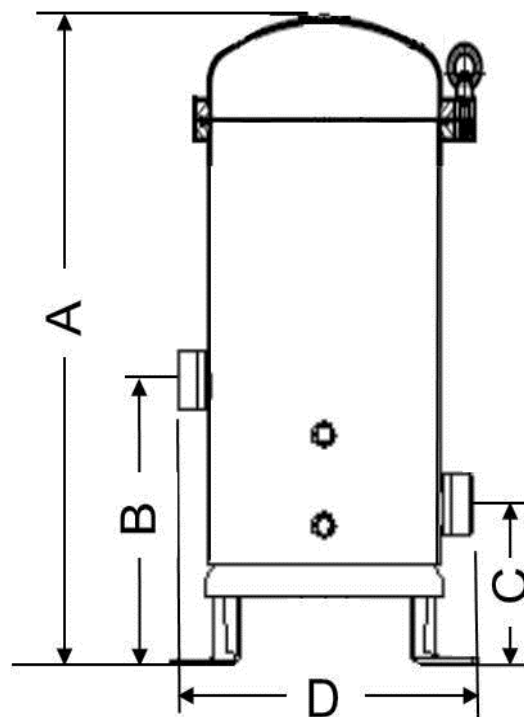
See ordering information for configurability options.

| Model | Number of Cartridges | Nominal Cartridge Length | Standard Inlet/Outlet | Drain with Plug | Vent with Plug | Estimated Ship Weight | Shipping Box Dimensions (inches) |
|--------|----------------------|--------------------------|-----------------------|-----------------|----------------|-----------------------|----------------------------------|
| CIH41 | 4 | 10" | 2" MNPT | ½" FNPT | ¼" FNPT | 26 lbs | 13x13x23 |
| CIH42 | 4 | 20" | 2" MNPT | ½" FNPT | ¼" FNPT | 32 lbs | 13x13x33 |
| CIH43 | 4 | 30" | 2" MNPT | ½" FNPT | ¼" FNPT | 39 lbs | 13x13x43 |
| CIH44 | 4 | 40" | 2" MNPT | ½" FNPT | ¼" FNPT | 46 lbs | 13x13x53 |
| CIH51 | 5 | 10" | 2" MNPT | ½" FNPT | ¼" FNPT | 27 lbs | 13x13x23 |
| CIH52 | 5 | 20" | 2" MNPT | ½" FNPT | ¼" FNPT | 33 lbs | 13x13x33 |
| CIH53 | 5 | 30" | 2" MNPT | ½" FNPT | ¼" FNPT | 40 lbs | 13x13x43 |
| CIH54 | 5 | 40" | 2" MNPT | ½" FNPT | ¼" FNPT | 47 lbs | 13x13x53 |
| CIH71 | 7 | 10" | 2" MNPT | ½" FNPT | ¼" FNPT | 42 lbs | 19 x 19 x 25 |
| CIH72 | 7 | 20" | 2" MNPT | ½" FNPT | ¼" FNPT | 53 lbs | 19 x 19 x 35 |
| CIH73 | 7 | 30" | 2" MNPT | ½" FNPT | ¼" FNPT | 62 lbs | 19 x 19 x 45 |
| CIH74 | 7 | 40" | 2" MNPT | ½" FNPT | ¼" FNPT | 72 lbs | 19 x 19 x 55 |
| CIH122 | 12 | 20" | 3" RFF | ¾" FNPT | ½" FNPT | 161 lbs | Call |
| CIH123 | 12 | 30" | 3" RFF | ¾" FNPT | ½" FNPT | 172 lbs | Call |
| CIH124 | 12 | 40" | 3" RFF | ¾" FNPT | ½" FNPT | 190 lbs | Call |
| CIH212 | 21 | 20" | 4" RFF | ¾" FNPT | ½" FNPT | 249 lbs | Call |
| CIH213 | 21 | 30" | 4" RFF | ¾" FNPT | ½" FNPT | 260 lbs | Call |
| CIH214 | 21 | 40" | 4" RFF | ¾" FNPT | ½" FNPT | 285 lbs | Call |
| CIH363 | 36 | 30" | 6" RFF | ¾" FNPT | ½" FNPT | 341 lbs | Call |
| CIH364 | 36 | 40" | 6" RFF | ¾" FNPT | ½" FNPT | 395 lbs | Call |
| CIH523 | 52 | 30" | 6" RFF | ¾" FNPT | ½" FNPT | 563 lbs | Call |
| CIH524 | 52 | 40" | 6" RFF | ¾" FNPT | ½" FNPT | 611 lbs | Call |
| CIH803 | 80 | 30" | 8" RFF | ¾" FNPT | ½" FNPT | Call | Call |
| CIH804 | 80 | 40" | 8" RFF | ¾" FNPT | ½" FNPT | Call | Call |

Dimensions

Detailed planning drawings are available upon request.

| Model | Nominal Cartridge Length | Overall Height (A) | Inlet Height (B) | Outlet Height (C) | Inlet/Outlet Length (D) |
|--------|--------------------------|--------------------|------------------|-------------------|-------------------------|
| CIH41 | 10" | 22.0" | 7" | 3" | 10 ½" |
| CIH42 | 20" | 32.0" | 7" | 3" | 10 ½" |
| CIH43 | 30" | 42.0" | 7" | 3" | 10 ½" |
| CIH44 | 40" | 52.0" | 7" | 3" | 10 ½" |
| CIH51 | 10" | 22.0" | 7" | 3" | 10 ½" |
| CIH52 | 20" | 32.0" | 7" | 3" | 10 ½" |
| CIH53 | 30" | 42.0" | 7" | 3" | 10 ½" |
| CIH54 | 40" | 52.0" | 7" | 3" | 10 ½" |
| CIH71 | 10" | 25.0" | 10 ½" | 6" | 12 ½" |
| CIH72 | 20" | 35.0" | 10 ½" | 6" | 12 ½" |
| CIH73 | 30" | 45.0" | 10 ½" | 6" | 12 ½" |
| CIH74 | 40" | 55.0" | 10 ½" | 6" | 12 ½" |
| CIH122 | 20" | 56.8" | 35.4" | 15.8" | 20.5" |
| CIH123 | 30" | 66.8" | 35.4" | 15.8" | 20.5" |
| CIH124 | 40" | 76.8" | 35.4" | 15.8" | 20.5" |
| CIH212 | 20" | 56.8" | 35.4" | 16.7" | 24.4" |
| CIH213 | 30" | 67.7" | 35.4" | 16.7" | 24.4" |
| CIH214 | 40" | 77.7" | 35.4" | 16.7" | 24.4" |
| CIH363 | 30" | 72.7" | 39.4" | 19.7" | 28.3" |
| CIH364 | 40" | 82.7" | 39.4" | 19.7" | 28.3" |
| CIH523 | 30" | 74.7" | 39.4" | 19.7" | 32.3" |
| CIH524 | 40" | 84.7" | 39.4" | 19.7" | 32.3" |
| CIH803 | 30" | 80.6" | 39.4" | 23.6" | 38.6" |
| CIH804 | 40" | 90.6" | 39.4" | 23.6" | 38.6" |

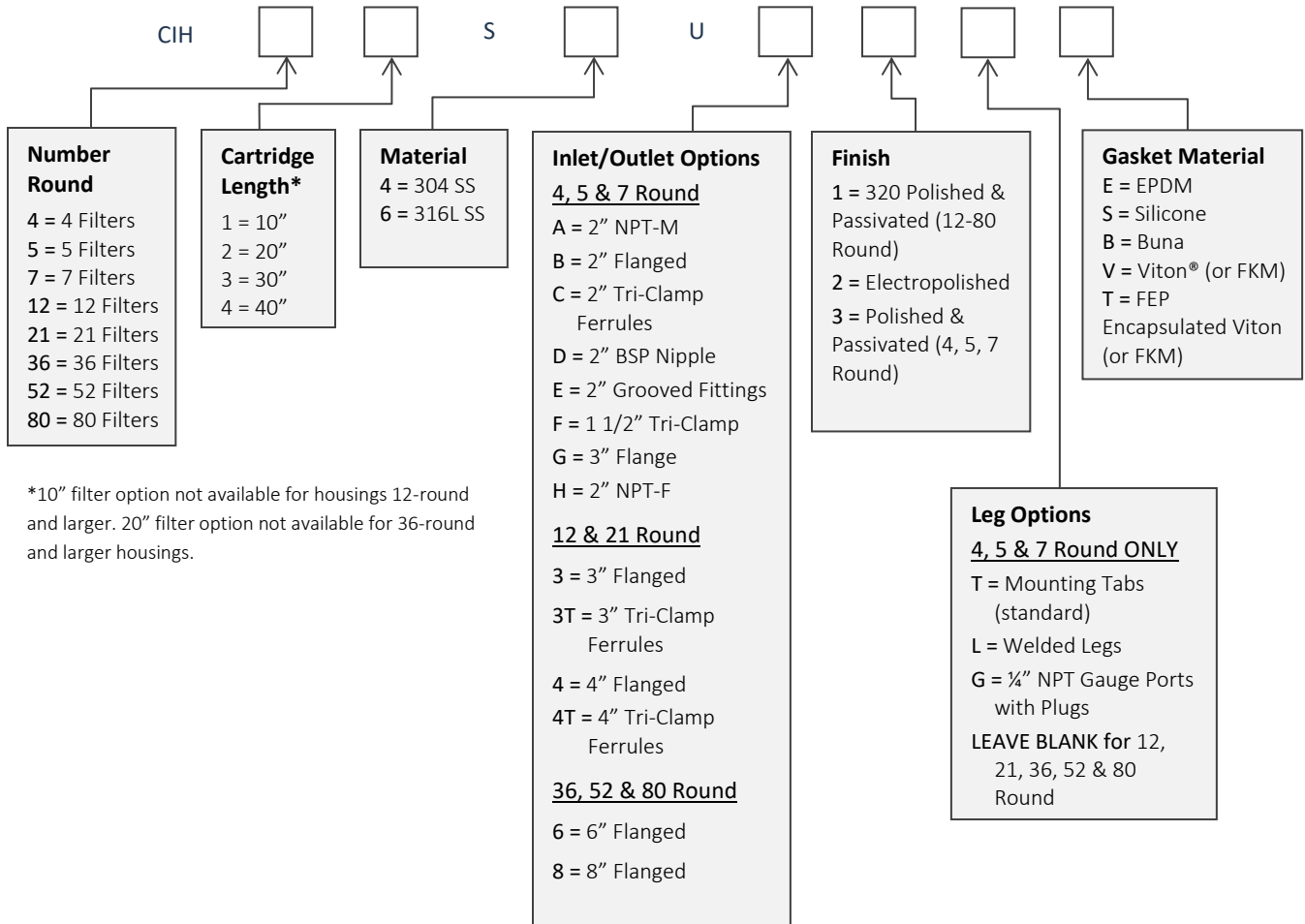


CIH Multi-Round Housing Ordering Information

All Critical Process filter housings are configurable to meet customer specifications.
Fill in the corresponding code in the box below to build your Part Number.

To consult with one of our technical team members, request a quote or place an order:
call (603) 880-4420 Ext. 106, or send an email to sales@criticalprocess.com

CIH Multi-Round Filter Housing



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Data Sheet CIHMultiDS Rev-