



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
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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

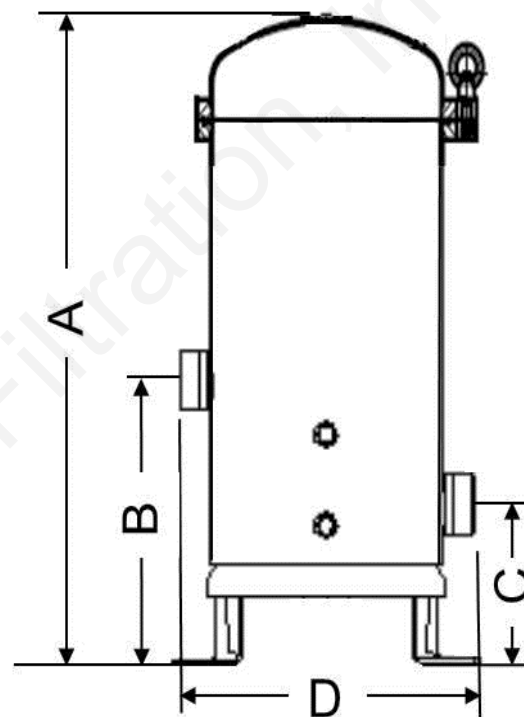
See ordering information for configurability options.

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, or [contact us here](#).

CIH Multi-Round Filter Housing

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Number Round	Cartridge Length*	Material	Inlet/Outlet Options	Finish	Gasket Material
4 = 4 Filters 5 = 5 Filters 7 = 7 Filters 12 = 12 Filters 21 = 21 Filters 36 = 36 Filters 52 = 52 Filters 80 = 80 Filters	1 = 10" 2 = 20" 3 = 30" 4 = 40"	4 = 304 SS 6 = 316 SS	<u>4, 5 & 7 Round</u> A = 2" NPT-M B = 2" Flanged C = 2" Tri-Clamp Ferrules D = 2" BSP Nipple E = 2" Grooved Fittings F = 1 1/2" Tri-Clamp G = 3" Flange H = 2" NPT-F I = 1" Female BSPP <u>12 & 21 Round</u> 3 = 3" Flanged 3T = 3" Tri-Clamp Ferrules 4 = 4" Flanged 4T = 4" Tri-Clamp Ferrules <u>36, 52 & 80 Round</u> 6 = 6" Flanged 8 = 8" Flanged	1 = Polished & Passivated 2 = Electropolished Leg Options <u>4, 5 & 7 Round ONLY</u> T = Mounting Tabs (standard) L = Welded Legs G = 1/4" NPT Gauge Ports with Plugs LEAVE BLANK for 12, 21, 36, 52 & 80 Round	E = EPDM S = Silicone B = Buna V = Viton® (or FKM) T = FEP Encapsulated Viton (or FKM)

*10" filter option not available for housings 12-round and larger. 20" filter option not available for 36-round and larger housings.



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Data Sheet CIHMultiDS Rev-A