



HCI Series - Robust Design and Application Flexibility

Single-cartridge filter housings are advanced pressure vessels designed for use with individual filter cartridges. Ideal for small-scale filtration systems, they offer high flow capacity, precise filtration efficiency, and long service life.

All housings are manufactured in accordance with the Pressure Equipment Directive (PED) 2014/68/EU.

Technical data

Material of construction: (304, 316, 316L)
Stainless steel

Gasket:
Buna-n, EPDM, Silicone, Viton

Surface finish: ceramic ball blasting, electropolished

Dimensions

Number of cartridges: 1 pc.

Cartridges length:
10" / 20" / 30" / 40"

Operating parameters

Max operating temperature:
100°C / 160°C

Max pressure:
10 bar

Max flow rate:
8 m³/hour.

FEATURES

- Low pressure drop
- For standard filter sizes – 10", 20", 30", 40"
- Housing surface electro-polished or treated with ceramic bead blasting
- Corrosion and high temperature resistance
- Durability and strength in demanding operating conditions
- Easy maintenance and filter cartridge replacement
- Versatility for industrial and commercial applications

OPTIONAL FEATURES

- Heating/Cooling jacket
- Various types of inlet/outlet connections
- Valve, pump
- Pressure gauge (10 bar) G 3/8"
- Differential pressure indicators

CONNECTIONS AVAILABLE

- Muff (1,2,3 inch), thread BSP inside
- Nipple (1, 2, 3 inch) thread BSP outside
- Flange ½ inch – 10 inch
- Tri-clamp
- Camlock
- Pipe for welding
- Hygienic connectors
- DIN 11851

ORDERING INFORMATION

HCI **1** **20** **P7** **6** **T1** **F2** **10/100** **PS** **V**

MODEL OF HOUSING
HCI - industrial version

NUMBER OF CARTRIDGES
1 1 cartridges

CARTRIDGE SIZE
10 - 10" (254mm)
20 - 20" (508mm)
30 - 30 (762mm)
40 - 40" (1016mm)

CARTRIDGES CONNECTION
P Double Open End
P2 226/Flat Single Open End
P3 222/Flat Single Open End
P7 226/Fin Single Open End
P8 222/Fin Single Open End
AM Single Open End, Internal O-Ring
NPC Double Open End, Internal O-Ring

MATERIAL OF HOUSING
4 stainless steel AISI 304
6 stainless steel AISI 316
6L stainless steel AISI 316L

TYPE OF INLET / OUTLET CONFIGURATION
T1, T2, T3, T4, T5

CONNECTION (TYPE AND SIZE)
M1 Muff 1 inch, thread BSP inside
M2 Muff 2 inch, thread BSP inside
M3 Muff 3 inch, thread BSP inside
N1 Nipple 1 inch, thread BSP outside
N2 Nipple 2 inch, thread BSP outside
N3 Nipple 3 inch, thread BSP outside
F0.50 Flange ½ inch (DN 15)
F0.75 Flange ¾ inch (DN 20)
F1 Flange 1 inch (DN 25)
F1.25 Flange 1 ¼ inch (DN 32)
F1.50 Flange 1 ½ inch (DN 40)
F2 Flange 2 inch (DN 50)
F2.50 Flange 2 ½ inch (DN 65)
F3 Flange 3 inch (DN 80)

Other on request, all sizes available:
TC Tri-clamp
CL Camlock
NN Pipe for welding
DIN Hygienic connections, milk pipe DIN 11851

GASKET
B Buna-N (NBR, Nitrile)
E EPDM
V VITON
T TEFLON
S Silicone

SURFACE
PS Sandblasting (satin)
EP Electro polishing
MP Mechanical polishing
EMP Electro and mechanical polishing

MAX. PRESSURE/MAX TEMPERATURE
Max Bars / Max °C