



Robust Design, Customizable configuration and Application Flexibility

ALLFIL offers a wide range of high-quality multi-cartridge filter housings made of stainless steel, designed for use with standard filter cartridges. Available in configurations for 3 up to 64 cartridges, these housings come in both industrial and economical versions. Thanks to their large filtration area, high contaminant retention capacity, and a broad selection of connection types, sealing materials, and construction options, the ALLFIL HCI and HCE series housings are ideally suited for a wide variety of applications. For higher flow rates and/or increased capacity, housings can be installed in series or in parallel on a single frame.

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

Technical data

Material of construction:

Stainless steel (304, 316, 316L)

Gaskets:

Buna-n, EPDM, Silicone, Teflon, Viton

Surface finish:

sandblasted with ceramic balls

Dimensions

Number of cartridges:

from 3 up to 64szt.

Available cartridges length:

10"/ 20"/ 30"/ 40"

Operating parameters

Max operating temperature:

100°C/ 160°C

Max pressure:

10 bar

Max flow rates:

8 m³/godz. - 60 m³/godz.

FEATURES

- Low pressure drop
- Easy to clean
- For filters – 10" 20" 30" 40" compatible with most filter cartridges
- Sandblasted external coat by glass balls
- Inlet/ outlet according to customer's request
- Cover opened by eye nuts

OPTIONAL FEATURES

- Electropolished surface
- Heating/ Cooling Jacket
- Different inlet/ outlet connection
- Valve, Pump
- Pressure gauge (10 bar)
- 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 **8** **20** **P7** **6** **T1** **F2** **10/100** **PS** **V**

MODEL OF HOUSING
HCI - industrial version
HCE - economical version

NUMBER OF CARTRIDGES
3 3 cartridges
5 5 cartridges
6 6 cartridges
8 8 cartridges
10 10 cartridges
12 12 cartridges
24 24 cartridges
Other - for request

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

CARTRIDGE 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)
F4 Flange 4 inch (DN 100)
F5 Flange 5 inch (DN 125)
F6 Flange 6 inch (DN 150)
F8 Flange 8 inch (DN 200)
F10 Flange 10 inch (DN 250)
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

