



HD Housing

The Aircel HD high pressure filter housings are designed for the purification of compressed air and gases in an industrial operation. The housings are made out of two parts, and due to an optimized construction, offer low differential pressure at high flow rates. A wide variety of filter elements are available to meet a broad range of application requirements.

Available in eight different housing sizes ranging from ¼" to 2" and pressure rating from 650 psig to 5,800 psig. The HD High Pressure Filter Housings are designed in accordance to ASME VIII, Division 1. Stainless steel material is an available option for process filtration applications.

Specifications

Materials	
Filter Housing	650 to 925 psig: Aluminum (304 SS optional) 3600 to 5800 psig: Carbon steel (316 SS optional)
Sealings	O-ring, parting compound free, made of Perbunan®*
Surface Finish	650 to 925 psig: Aluminum anodized 3600 to 5800 psig: Carbon steel nickel plated

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650 to 925 psig:	650 to 925 psig: Aluminum anodized
3600 to 5800 psig:	3600 to 5800 psig: Carbon steel nickel plated

Operating Conditions	
Maximum Operating Temperature	+ 14°F/+176°F

Specifications	
Connection	1/4" to 2" FNPT

Model Comparison

Model	Connection (in. NPT/ANSI)	Element	Clearance (inches)	Dimensions (inches)			
				A	B	C	D
0003	1/4	0305	5.1	6.5	3.5	6.7	3.5
0006	3/8	0310	5.1	6.5	3.5	6.7	3.5
0012	1/2	0420	7.5	8.1	4.2	8.3	4.2
0018	3/4	0520	7.5	9.1	4.2	9.3	4.2
0027	1	0525	7.5	9.3	4.7	10.0	4.7
0036	1-1/4	0725	10.0	11.5	4.7	12.0	4.7
0048	1-1/2	0730	10.0	12.4	6.0	13.0	6.0
0072	2	1030	14.0	16.0	7.3	16.6	7.5

Model Dimensions

