

## HD

### High Pressure Filter Housing

High pressure filter housings designed for the purification of compressed air and gases.

**Donaldson® 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 with aluminum end caps 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.



High Pressure Filter Housing

### Specifications

#### Materials

##### Filter Housings

**650 to 925 psig:** Aluminum (304 SS optional)  
**3600 to 5800 psig:** Carbon steel (316 SS optional)

**Sealing:** O-ring, parting compound free, made of Perbunan®\*

#### Surface Finish:

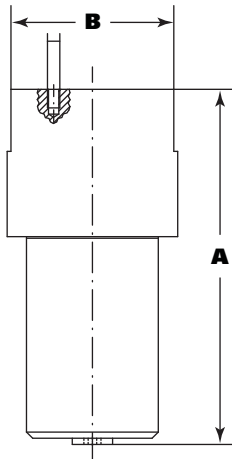
**650 to 925 psig:** Aluminum anodized  
**3600 to 5800 psig:** Carbon steel nickel plated

**Connection:** 1/4" to 2" FNPT

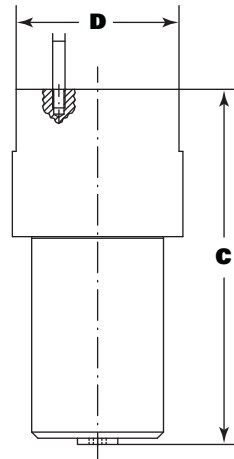
**Maximum Operating Temperature:** +14°F/+176°F

# HD High Pressure Filter Housing

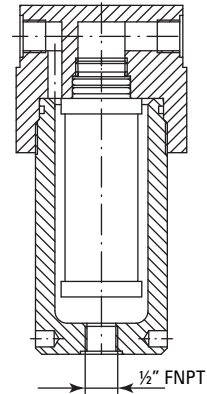
## Dimensions & Specifications



HD  
650-925 psi



HD  
3600-5800 psi



HD  
Cutaway View

Housing Size	Connections (inches FNPT)	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



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