



# P-PT

## INDUSTRIAL STAINLESS STEEL FILTER HOUSINGS

Process Filtration

### Industrial stainless steel filter housings for water and corrosive liquids.

Donaldson® P-PT single round filter housings are designed for industrial applications that require 316L SS construction. The single nut closure provides a positive radial seal and easy element replacement. The T-style in-line orientation allows for easy installation.

Available in NPT, Flange, and Tri-Clamp®\* connection types.

Standard housings are built to accept Code 7 and 2 elements. Housings are also available in DOE, Code 3 and Code 8 filter elements.

A broad selection of filter elements are available to meet the compatibility and micron rating requirements of your process.

## APPLICATIONS

- Petrochemicals
- Process water
- Coolants
- Solvents
- Potable liquids
- Industrial water



P-PT

## SPECIFICATIONS

MATERIALS <sup>1</sup>	
Filter Head	316L SS
Sealing Nut	Nickle plated brass
Filter Bowl	316L SS
Housing Gasket	EPDM (also available in Viton®*, Buna and silicone)

DESIGN PRESSURE AND TEMPERATURE	
NPT	20.7 bar @ 93.3° C (300 psi @ 200° F)
Flange and Tri-Clamp®**	10.35 bar @ 93.3° C 150 psi @ 200° F

\* Viton is a registered trademark of DuPont Performance Elastomers L.L.C.

\*\* Tri-Clamp is a registered trademark of Ladish Company.

## SPECIFICATIONS

### SURFACE FINISH

Code 2, 7, 3, 8 Housings	DOE housings
Filter head - Bead blast, cast stainless steel	Filter head - Bead blast, cast stainless steel
Filter bowl - Industrial electropolished	Filter bowl - Polished

### ELEMENTS

Standard in Code 7/Code 2 connection. Contact your Donaldson Representative for Code 3 and Code 8 elements. DOE housing designs are also available upon request.

### DESIGN PRESSURE AND TEMPERATURE

NPT	20.7 bar @ 93.3° C (300 psi @ 200° F)
Flange and Tri-Clamp	20.7 bar @ 93.3° C (300 psi @ 200° F)

### CONNECTION TYPES

Code 2, 7, 3, 8 housings	DOE housings
19 mm and 25 mm (3/4" and 1") NPT	13 mm 19 mm and 25 mm (1/2", 3/4" and 1") NPT, 25 mm (1") Flange, 25 mm (1") Tri-Clamp®
25 mm (1") Flange	25 mm (1") Flange
25 mm (1") Tri-Clamp®	25 mm (1") Tri-Clamp
25 mm (1")	

### DRAIN

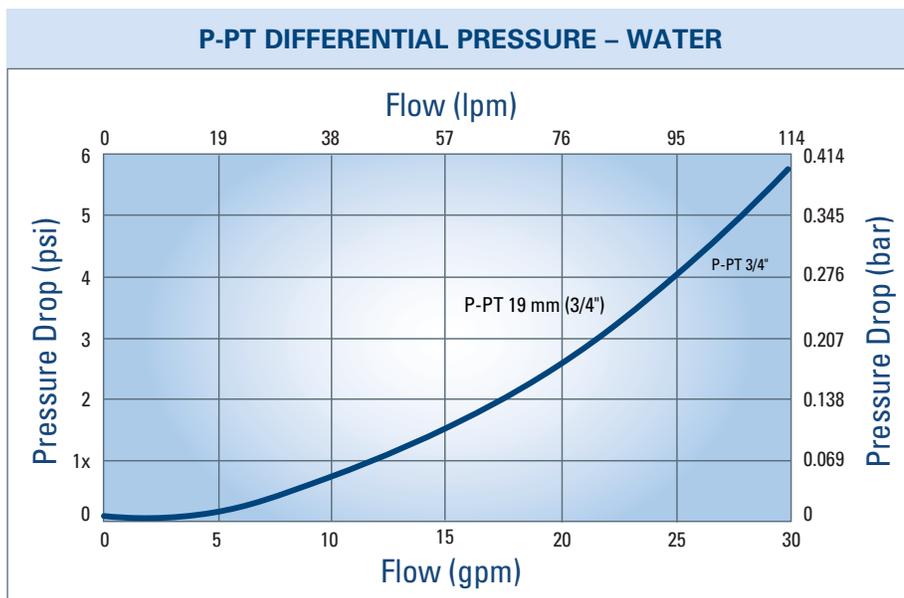
Code 2, 7, 3, 8 housings	DOE housings
6 mm (1/4") NPT drain w/plug	3 mm (1/8") NPT drain w/plug

### INLET AND OUTLET GAUGE PORTS

6 mm (1/4") FNPT gauge ports, plugged

### ACCESSORIES INCLUDED

Nut closure tool and mounting brackets are included with the housing.



**NPT HOUSINGS – 316L SS**

Model Number	Capacity		Connection (FNPT)		Dimensions								Approx. Weight w/o Element		Element	
					Code 2, 7, 3, 8				DOE							
	Height A		Width B		Height A		Width B		kg	lbs	Size	Qty				
	lpm	gpm	mm	in.	mm	in.	mm	in.					mm	in.		
P-PT 0007	26	7	19	3/4	442	17.4	89	3.5	345	13.6	89	3.5	3.2	7	10/30	1
P-PT 0007	26	7	25	1	442	17.4	89	3.5	345	13.6	89	3.5	3.2	7	10/30	1
P-PT 0014	53	14	19	3/4	696	27.4	89	3.5	599	23.6	89	3.5	4.1	9	20/30	1
P-PT 0014	53	14	25	1	696	27.4	89	3.5	599	23.6	89	3.5	4.1	9	20/30	1
P-PT 0021	79	21	19	3/4	950	37.4	89	3.5	853	33.6	89	3.5	5.4	12	30/30	1
P-PT 0021	9	21	25	1	950	37.4	89	3.5	853	33.6	89	3.5	5.4	12	30/30	1

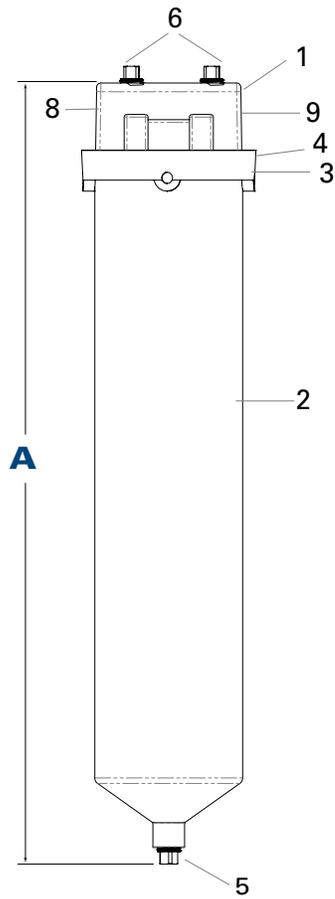
**FLANGE HOUSINGS – 316L SS**

Model Number	Capacity		Connection (FNPT)		Dimensions								Approx. Weight w/o Element		Element	
					Code 2, 7, 3, 8				DOE							
	Height A		Width B		Height A		Width B		kg	lbs	Size	Qty				
	lpm	gpm	mm	in.	mm	in.	mm	in.					mm	in.		
P-PT 0007	26	7	25	1	696	27.4	198	7.8	599	23.6	201	7.9	5.0	11	10/30	1
P-PT 0014	53	14	25	1	696	27.4	198	7.8	599	23.6	201	7.9	5.9	13	20/30	1
P-PT 0021	79	21	25	1	696	37.4	198	7.8	853	33.6	201	7.9	7.3	16	30/30	1

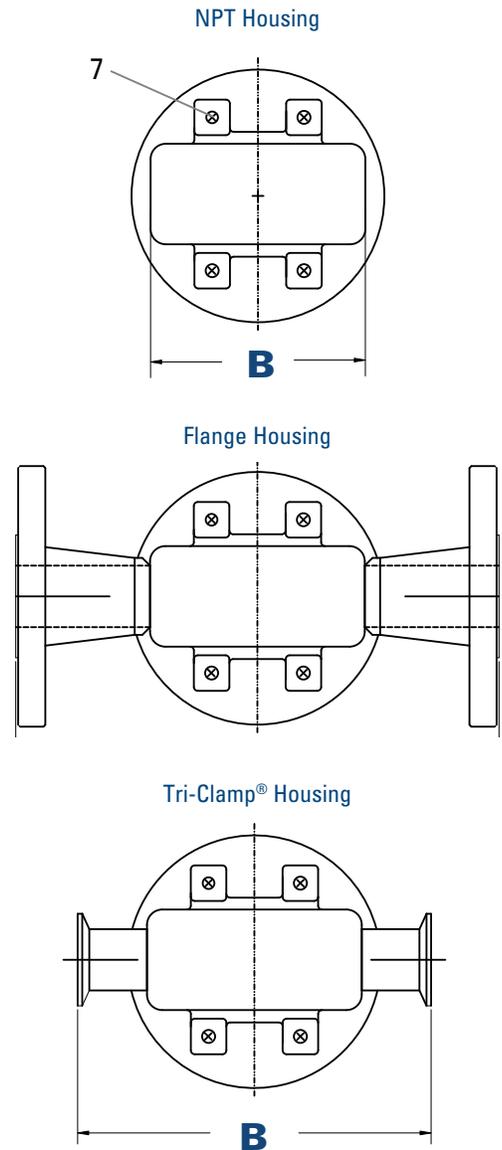
**TRI-CLAMP® HOUSINGS – 316L SS**

Model Number	Capacity		Connection (FNPT)		Dimensions								Approx. Weight w/o Element		Element	
					Code 2, 7, 3, 8				DOE							
	Height A		Width B		Height A		Width B		kg	lbs	Size	Qty				
	lpm	gpm	mm	in.	mm	in.	mm	in.					mm	in.		
P-PT 0007	26	7	25	1	442	17.4	145	5.7	345	13.6	145	5.7	3.6	8	10/30	1
P-PT 0014	53	14	25	1	696	27.4	145	5.7	599	23.6	145	5.7	4.5	10	20/30	1
P-PT 0021	79	21	25	1	696	37.4	145	5.7	853	33.6	145	5.7	5.9	13	30/30	1

## DIMENSIONS



NO.	DESCRIPTION
1	Head
2	Bowl
3	Locking ring
4	Housing gasket
5	Drain
6	Gauge port
7	Mounting holes: 6 mm - 20 x 10 mm deep (1/4" - 20 x 3/8" deep)
8	Inlet
9	Outlet



### Important Notice

Many factors beyond the control of Donaldson can affect the use and performance of Donaldson products in a particular application, including the conditions under which the product is used. Since these factors are uniquely within the user's knowledge and control, it is essential the user evaluate the products to determine whether the product is fit for the particular purpose and suitable for the user's application. All products, specifications, availability and data are subject to change without notice, and may vary by region or country.



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