



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

SPECIFICATIONS

Materials ¹	
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)

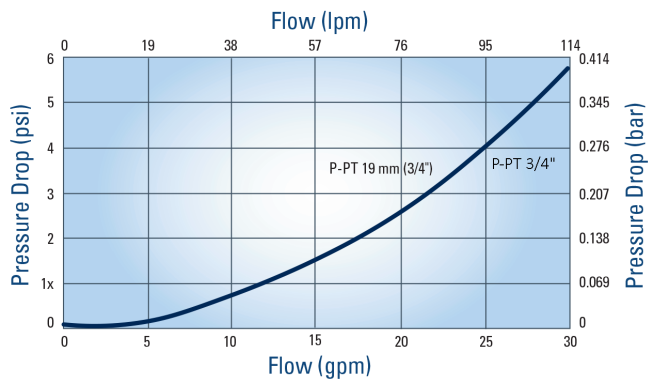
Connection types	
Code 2, 7, 3, 8 housings	DOE housings
19 mm and 25 mm (3/4" and 1") NPT	13 mm 19 mm and 25 mm (1/2", 3/4" and 1") NPT, 25 mm (1") Flange, 25 mm (1") Tri-Clamp®
25 mm (1") Flange	25 mm (1") Flange
25 mm (1") Tri-Clamp®	25 mm (1") Tri-Clamp
25 mm (1")	

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.

P-PT DIFFERENTIAL PRESSURE – WATER



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									
	lpm	gpm	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	kg	lbs	Size	Qty
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

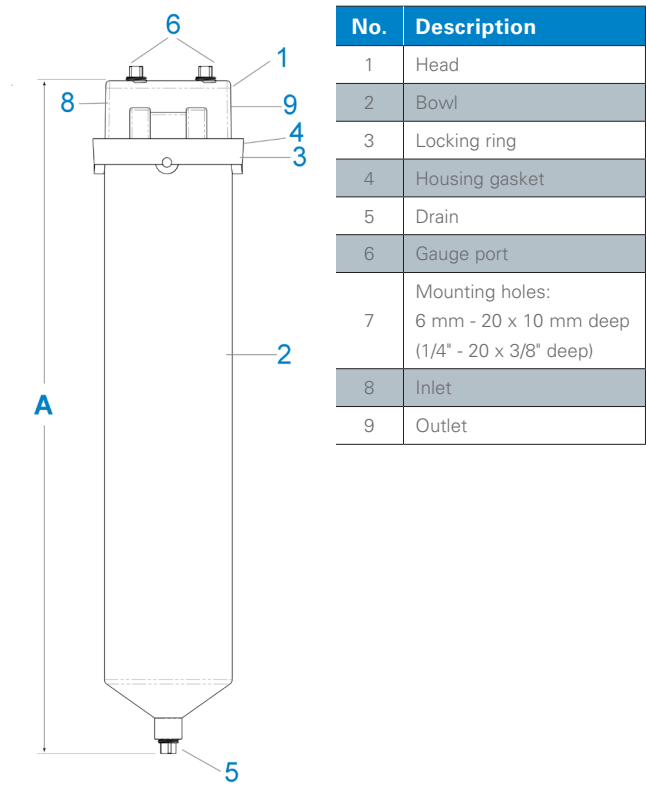
FLANGE HOUSINGS – 316L SS

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					
	lpm	gpm	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	kg	lbs	Size	Qty
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

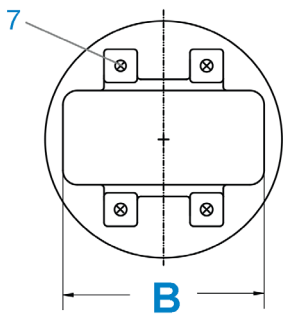
TRI-CLAMP® HOUSINGS – 316L SS

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					
	lpm	gpm	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	kg	lbs	Size	Qty
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

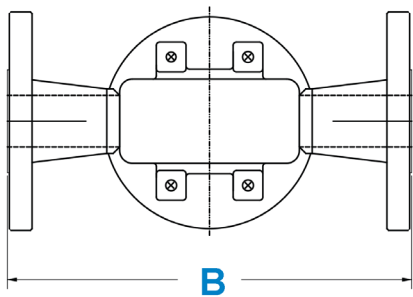
DIMENSIONS



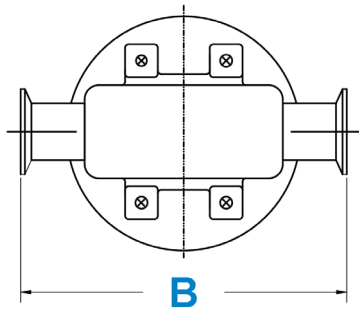
NPT HOUSING



FLANGE HOUSING



TRI-CLAMP® HOUSING



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