



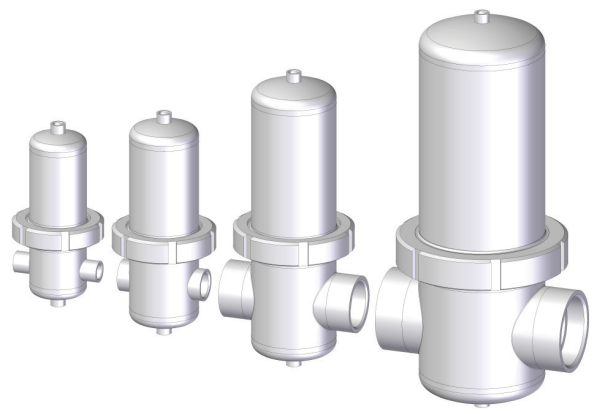
Donaldson®
FILTRATION SOLUTIONS

Sterile air, Steam & Liquid Filtration From Pure to Sterile

P-EGS 0005-0030

MAIN FEATURES & BENEFITS:

- **Steam Filter Housing**
- **Design in compliance with**
 - FDA CFR-Code of Federal Regulations Title 21
 - Framework regulation 1935/2004/EC
 - Pressure Equipment Directive 97/23/EC
- **High quality stainless steel design**
- **Extremely low differential pressure**
- **Various connection types**



INDUSTRIES:



- **Food and beverage industry**



- **Dairy**



- **Chemical industry**



- **Pharmaceutical industry**



- **Fermentation**

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Donaldson®
Ultrafilter

PRODUCT DESCRIPTION

P-EGS housings were developed for the purification of steam in different ranges of application.

Due to the optimized construction they offer low differential pressure at high flow rates.

Combined with the different Donaldson filter elements P-GSL N they provide an optimised solution for nearly all applications.

The P-EGS series is available in 4 different housing sizes with steam mass flows up to 575 kg/h (at 2 bar abs.).

The Donaldson plug connection guarantees that the elements remain safely fixed at all times.

The housings are available with BSP threads or with hygienic welded end connection according to DIN 11850.

DIRECTIVES

All P-EGS housings are designed in accordance with

- FDA CFR-Code of Federal Regulations Title 21
- Framework regulation 1935/2004/EC
- Pressure Equipment Directive 97/23/EC

All P-EGS steam housings are manufactured according to

- ISO 9001-2008



SIZING RECOMMENDATION

Optimal Steam Flows in combination with P-GSL N 1 µm elements							
	Flow [kg/h] @ 2 bar abs.	Flow [kg/h] @ 3 bar abs.	Flow [kg/h] @ 4 bar abs.	Flow [kg/h] @ 5 bar abs.	Flow [kg/h] @ 6 bar abs.	Flow [kg/h] @ 7 bar abs.	Flow [kg/h] @ 8 bar abs.
P-EGS 0005	→ 27	→ 39	→ 51	→ 62	→ 73	→ 84	→ 97
P-EGS 0010	→ 84	→ 120	→ 160	→ 194	→ 215	→ 235	→ 255
P-EGS 0020	→ 240	→ 310	→ 370	→ 420	→ 470	→ 510	→ 550
P-EGS 0030	→ 575	→ 750	→ 890	→ 1010	→ 1130	→ 1250	→ 1350

¹⁾ Parameter: pipe velocity < 30 m/s or initial differential pressure < 0,05 bar (@ 2 bar abs.)

Maximum Steam Flows in combination with P-GSL N 1 µm elements							
	Flow [kg/h] @ 2 bar abs.	Flow [kg/h] @ 3 bar abs.	Flow [kg/h] @ 4 bar abs.	Flow [kg/h] @ 5 bar abs.	Flow [kg/h] @ 6 bar abs.	Flow [kg/h] @ 7 bar abs.	Flow [kg/h] @ 8 bar abs.
P-EGS 0005	→ 36	→ 52	→ 68	→ 84	→ 99	→ 112	→ 125
P-EGS 0010	→ 112	→ 163	→ 210	→ 260	→ 305	→ 350	→ 390
P-EGS 0020	→ 390	→ 485	→ 570	→ 650	→ 720	→ 780	→ 850
P-EGS 0030	→ 930	→ 1200	→ 1420	→ 1600	→ 1780	→ 1950	→ 2100

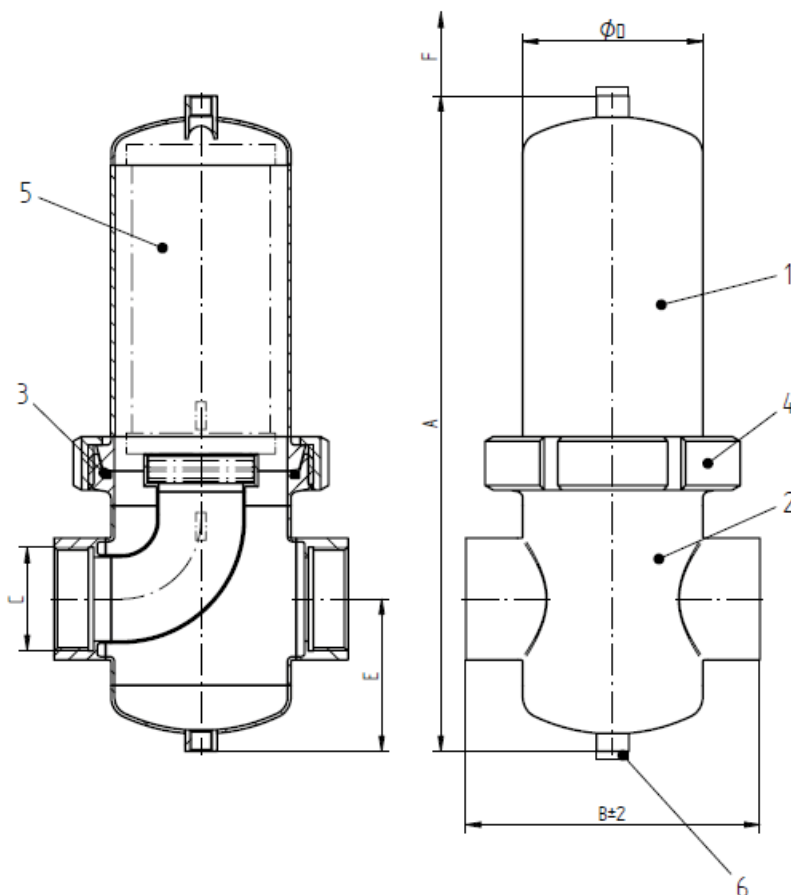
¹⁾ Parameter: pipe velocity < 40 m/s or initial differential pressure < 0,1 bar (@ 2 bar abs.)

- For informations on integrity test equipment or integrity test services, please contact your Donaldson Sales Engineer and visit our website at www.donaldson.com!

TECHNICAL DATA / DIMENSIONS

Pos.	Pcs.	Description
1	1	upper housing bowl
2	1	lower housing bowl
3	2	housing gasket
4	1	nut
5	1	filter element
6	2	plug

Max. operating pressure:	16 bar
Max. operating temperature with standard gasket EPDM:	-25°C / +150°C
Test pressure:	27 bar
Material:	1.4404
Surfaces:	Inside: etched, passivated, Ra < 1,6µm Outside: etched, passivated and polished, Ra < 1,6µm
Classification acc. to 97/23/EC:	for fluids of group 2



Size	Weight*	Volume	Dimensions							Element size
			A mm	B mm	C BSP	C weld. end mm	Ø D mm	E mm	Ø F mm	
0005	1,9	0,6	235	108 ± 2	G 1/2	DN15 Ø 19 x 1,5	70	49	120	04/20
0010	2,6	1,0	285	125 ± 3	G 1	DN25 Ø 29 x 1,5	85	68	150	05/20
0020	4,8	2,7	379	170 ± 3	G 2	DN50 Ø 53 x 1,5	104	88	200	07/30
0030	11,2	8,8	508,7	240 ± 3	G 3	DN80 Ø 85 x 2	154	110	280	10/50

* without filter element