



**P-ED Stainless Steel Filterhousing**

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## P-ED Stainless Steel Filterhousing



### Specifications

Size, "(inch):	5" - 6x30"
Filtration rating, µm:	x
Flowrate, l/min:	270 m3/h - 11520 m3/h
Max. Temp. C°:	-20°C - +200°C
Max. Pressure:	25bar
Efficiency, %:	x
Connection:	ASA/DN
Material:	SS316L
O-ring:	EPDM
<b>Classification:</b>	<b>Fluid Group I</b>
<b>Optional:</b>	<b>40bar, 63bar</b>

The P-ED Stainless Steel filter housings are made for high pressure - up to 25bar.

The series is available with 1, 3 and 6 cartridges and from 5" to 30" cartridge heights, depending on model. Cartridges socket connection is standard in UF-connection and available in Code7 (226) Bayonet.

### Data

Housing type	Single Filter housing	3-Round Filter housing	4-Round Filter Housing	6-Round Filter housing
Size	5"-30"	3x10"-3x30"	4x30/30"	6x10"-6x30"
Material	SS316L			
Surface finish	Mechanical polished Ra<0,8µm			
Sealing	EPDM			
Cartridge Socket	Code 7			
Classification	Fluid Group I			

Type	Connection ANSI	Alternativ connection	Flow Air V(7bar)	Pressure*	Element (no)	Internal connection	Steel Type
P-ED 0027	DN 25	ASA / DN 25	270 m3/h	25 bar	05/25	UF/C7	SS316
P-ED 0048	DN 50	ASA / DN 50	480 m3/h	25 bar	07/30	UF/C7	SS316
P-ED 0072	DN 50	ASA / DN 50	720 m3/h	25 bar	10/30	UF/C7	SS316
P-ED 0108	DN 50	ASA / DN 65	1.008 m3/h	25 bar	15/30	UF/C7	SS316
P-ED 0144	DN 65	ASA / DN 65	1.440 m3/h	25 bar	20/30	UF/C7	SS316
P-ED 0192	DN 80	ASA / DN 80	1.920 m3/h	25 bar	30/30	UF/C7	SS316
P-ED 0288	DN 80	ASA / DN 80	2.880 m3/h	25 bar	30/50	UF/C7	SS316
P-ED 0432	DN 100	-	4.320 m3/h	25 bar	3x20/30	UF/C7	SS316
P-ED 0576	DN 100	-	5.760 m3/h	25 bar	3x30/30	UF/C7	SS316
P-ED 0768	DN 150	-	7.680 m3/h	25 bar	4x30/30	UF/C7	SS316
P-ED 1152	DN 150	-	11.520 m3/h	25 bar	6x30/30	UF/C7	SS316
*Optional				40, 63 bar			

### Correction Factors

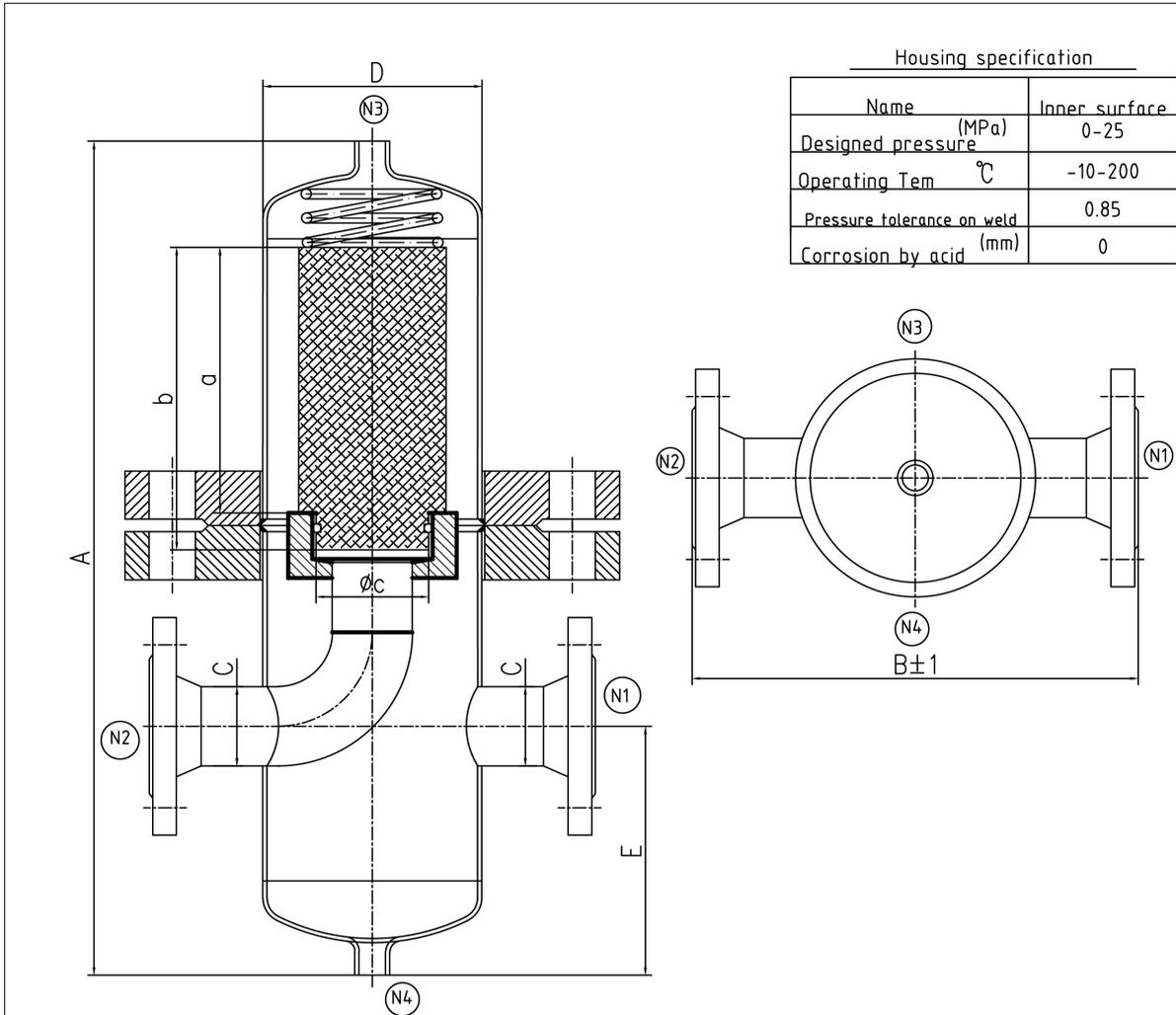
Operating Pressure	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Correction factor	0,25	0,36	0,5	0,6	0,75	0,9	1	1,1	1,2	1,4	1,5	1,6	1,75	1,9	2	2,1

### Correction Factors

Operating Pressure	18	20	22	25
Correction factor	2,3	2,6	2,9	3,6

# Single-Round (elements) Drawings:

## Flange



Housing specification	
Name	Inner surface
Designed pressure (MPa)	0-25
Operating Tem (°C)	-10-200
Pressure tolerance on weld	0.85
Corrosion by acid (mm)	0

size	volume l	weight kg	A mm	B mm	C	øD mm	E mm	a	b	øC		element	Body Flange specification
										ID(°)	OD(°)		
0006	0.55	2.7	215	180	DN10	76	55	3.0	3.4	0.8	1.2	03/10	DN65PN25 (PL)
0009	0.65	2.9	245	180	DN10	76	55	4.1	4.6	0.8	1.2	04/10	DN65PN25 (PL)
0012	0.65	3.4	245	180	DN15	76	55	4.1	4.6	1	1.5	04/20	DN65PN25 (PL)
0018	0.75	4.0	270	202	DN20	76	55	5.0	5.6	1	1.5	05/20	DN65PN25 (PL)
0027	1.0	4.8	295	212	DN25	89	75	5.0	5.6	1	1.5	05/25	DN80PN25 (PL)
0036	1.25	6.4	345	220	DN32	89	75	7.1	7.6	1	1.5	07/25	DN80PN25 (PL)
0048	2.3	8.0	390	254	DN40	102	100	7.1	7.6	2	2.4	07/30	DN100PN25 (PL)
0072	3.3	10.0	465	260	DN50	102	100	10.0	10.6	2	2.4	10/30	DN100PN25 (PL)
0108	4.3	10.5	590	260	DN50	102	100	15.0	15.6	2	2.4	15/30	DN100PN25 (PL)
0144	8.0	15.0	735	290	DN65	133	110	20.0	20.6	2	2.4	20/30	DN125PN25 (PL)
0192	11.1	18.2	1000	300	DN80	133	110	30.0	30.6	2	2.4	30/30	DN125PN25 (PL)
0288	16.5	23.6	1025	340	DN80	159	120	30.0	30.6	3.2	3.5	30/50	DN150PN25 (PL)

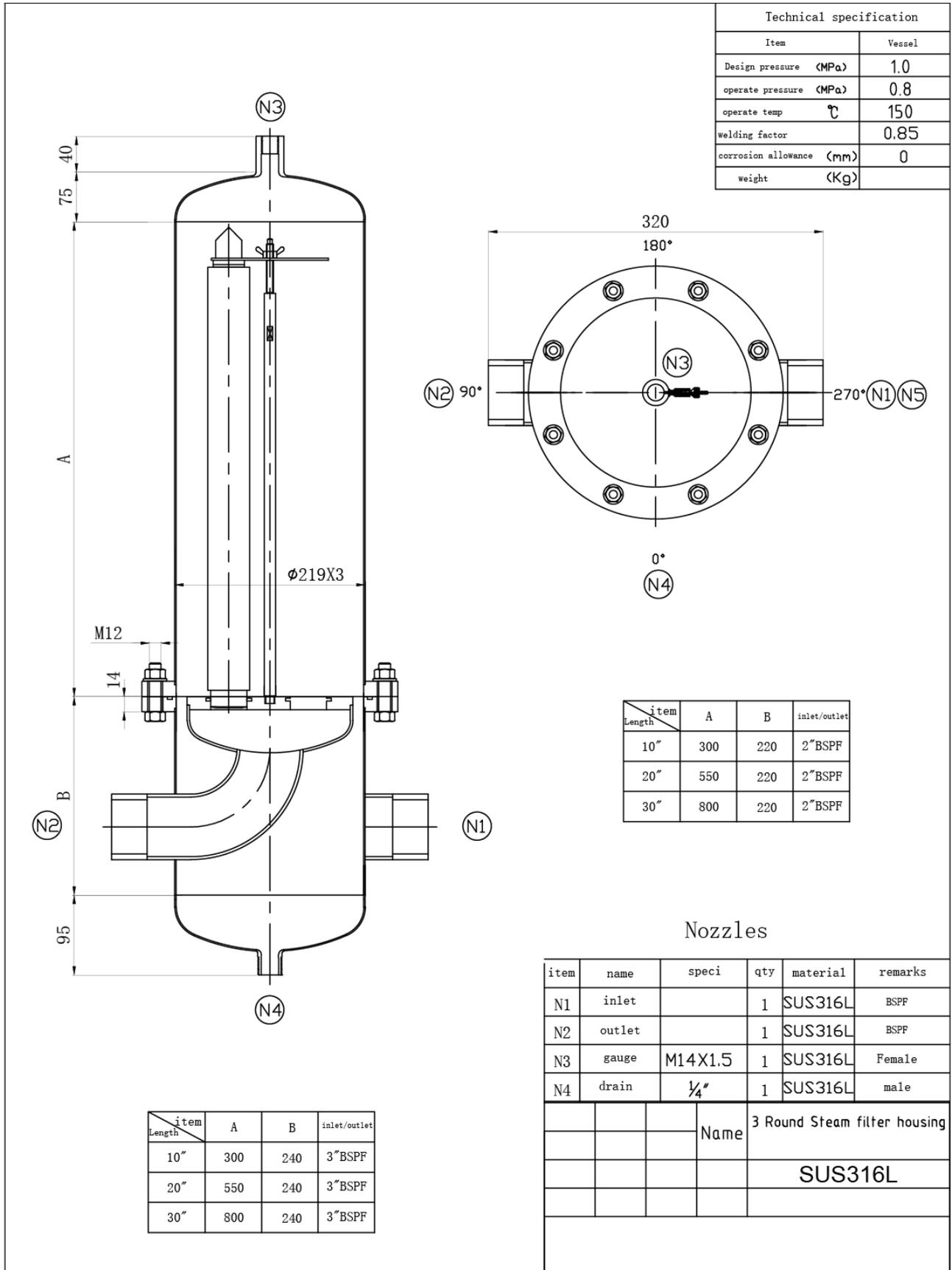
### Nozzles

item	name	speci	qty	material	qty
N1	inlet	size C	1	SUS316L	DIN Flange
N2	outlet	size C	1	SUS316L	DIN Flange
N3	plug	1/4"	1	SUS316L	BSPF
N4	plug	1/4"	1	SUS316L	BSPF

DUTY	SIGN	DATE	Itbm.NO	Drawing NO.	KS2021-1008-02
Designer			P-ED Steam-Filter housing		
Verified					
Approved					
STD			Scale: 1:2	UNIT mm	Page 1
			Totally		

### 3-Round (elements) Drawings:

#### BSPF



Technical specification	
Item	Vessel
Design pressure (MPa)	1.0
operate pressure (MPa)	0.8
operate temp	℃
welding factor	0.85
corrosion allowance (mm)	0
weight (Kg)	

item Length	A	B	inlet/outlet
10"	300	220	2" BSPF
20"	550	220	2" BSPF
30"	800	220	2" BSPF

item Length	A	B	inlet/outlet
10"	300	240	3" BSPF
20"	550	240	3" BSPF
30"	800	240	3" BSPF

#### Nozzles

item	name	speci	qty	material	remarks
N1	inlet		1	SUS316L	BSPF
N2	outlet		1	SUS316L	BSPF
N3	gauge	M14X1.5	1	SUS316L	Female
N4	drain	1/4"	1	SUS316L	male

				Name	3 Round Steam filter housing
					SUS316L



# Nordic Filtration

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You can buy our products on local websites or by contacting us by phone or e-mail. Information about our products as well as brochures and manuals can be found on our website ([www.nordicfiltration.com](http://www.nordicfiltration.com)).

We can adapt all of our filtration products to your needs, and we offer visits from our consultants in order to find the right solution for you.

