

P-DD Filter Housing



Specifications

Size, "(inch):	-
Filtration rating, μm :	-
Flowrate, m ³ /h:	90-4320
Max. Temp. C°:	200 (depending on connection)
Diff. Pressure:	x
Efficiency, %:	-
Connection:	ASA & Flange (16bar), BSP & Triclamp
Material:	316
O-ring:	EPDM (other on request)
Approval(s):	EC1935/2004, PED

P-DD filter housings in stainless steel, designed for purification of compressed air and other technical gases. With this housing you can achieve low differential pressure at high flow rates.

The P-DD is our first-choice housing for most process air applications. Such as pre-filtration, sterile filtration and steam filtration.

Materials

Filter housing	1.44.04 (316L)
Coupling nut	Stainless steel 1.4301 (304)
Plug	Stainless steel 1.4301 (304)
Housing gasket	EPDM (other gasket upon request)

Surface finish

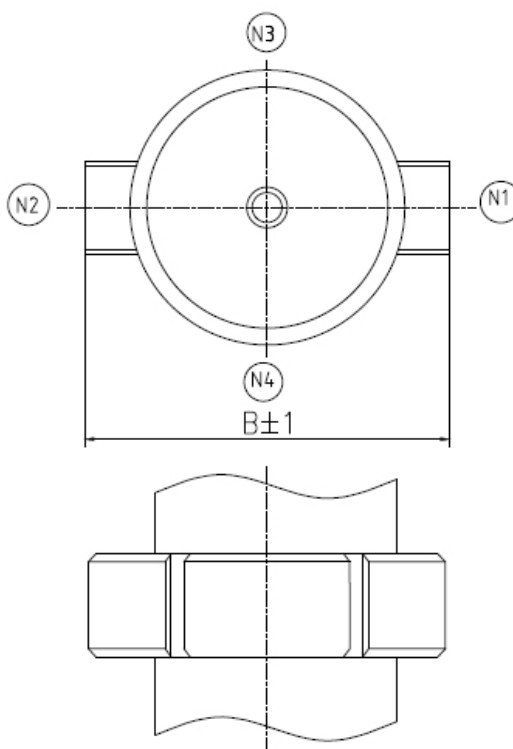
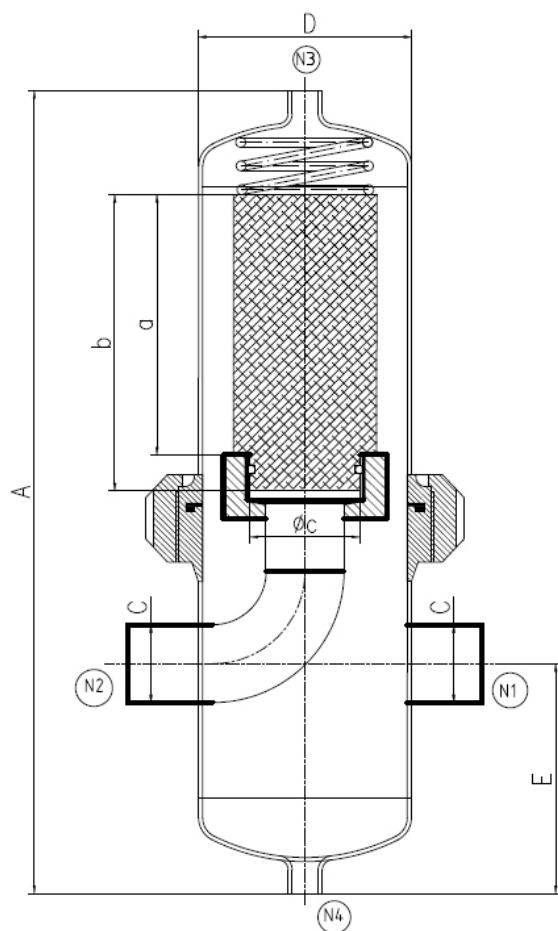
Inner: 0006-0288	etched and passivated R_a 1,6
Outer: 0006-0288	etched, passivated and polished R_a 1,6 etched and passivated (not polished)

Connection types

BSP thread connection	standard for 0006-0288 single housing
ASA	Standard
Triclamp	On Request
DIN Flange	On Request
Welded ends other connections and bigger housings, in request	



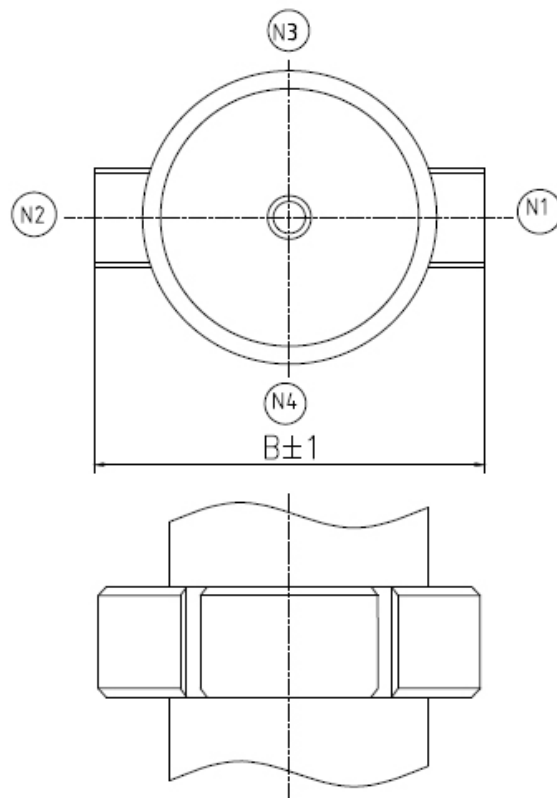
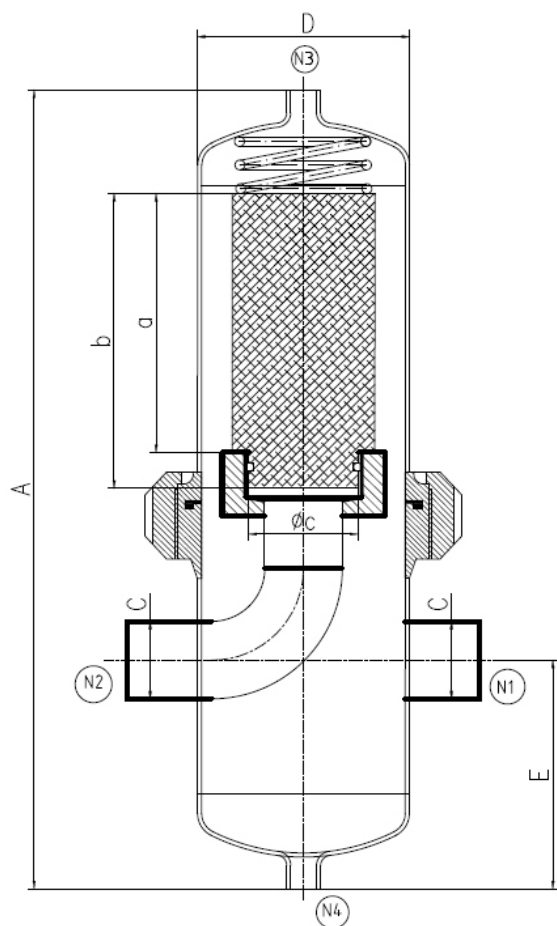
BSP CONNECTION



N	Name	Spec.	Material	Connection
N1	Inlet	Size C	SUS316L	BSPF
N2	Outlet	Size C	SUS316L	BSPF
N3	Plug	1/4"	SUS316L	BSPF
N4	Plug	1/4"	SUS316L	BSPF

Model	Flow (m³/h)		Filter Element	Dimensions (mm)						Weight (kg)	Øc	
	Nom.	Max.		Size	Qty	A	B	øD	E		ID Inc.	OD Inc.
P-DD 0006	60	90	R 1/4"	03/10	1	215	108	76	55	1,7	0,8	1,2
P-DD 0009	90	120	R 3/8"	04/10	1	245	108	76	55	1,9	0,8	1,2
P-DD 0012	120	180	R 1/2"	04/20	1	245	108	76	55	1,9	1	1,5
P-DD 0018	180	270	R 3/4"	05/20	1	270	125	76	55	2,0	1	1,5
P-DD 0027	270	360	R 1"	05/25	1	295	125	89	75	2,6	1	1,5
P-DD 0036	360	480	R 1 1/4"	07/25	1	345	140	89	75	3,0	1	1,5
P-DD 0048	480	720	R 1 1/2"	07/30	1	390	170	102	100	4,3	2	2,4
P-DD 0072	720	1080	R 2"	10/30	1	465	170	102	100	4,8	2	2,4
P-DD 0108	1080	1440	R 2"	15/30	1	590	170	102	100	5,3	2	2,4
P-DD 0144	1440	1920	R 2 1/2"	20/30	1	735	216	133	110	9,0	2	2,4
P-DD 0192	1920	2880	R 3"	30/30	1	1000	216	133	110	10,8	2	2,4
P-DD 0288	2880	4320	R 3"	30/50	1	1025	240	133	120	16,2	3,2	3,5

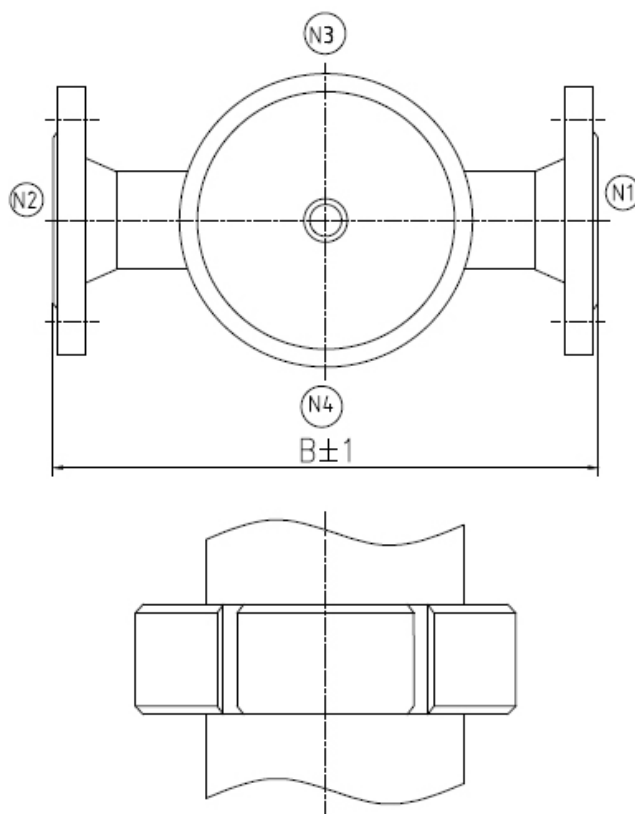
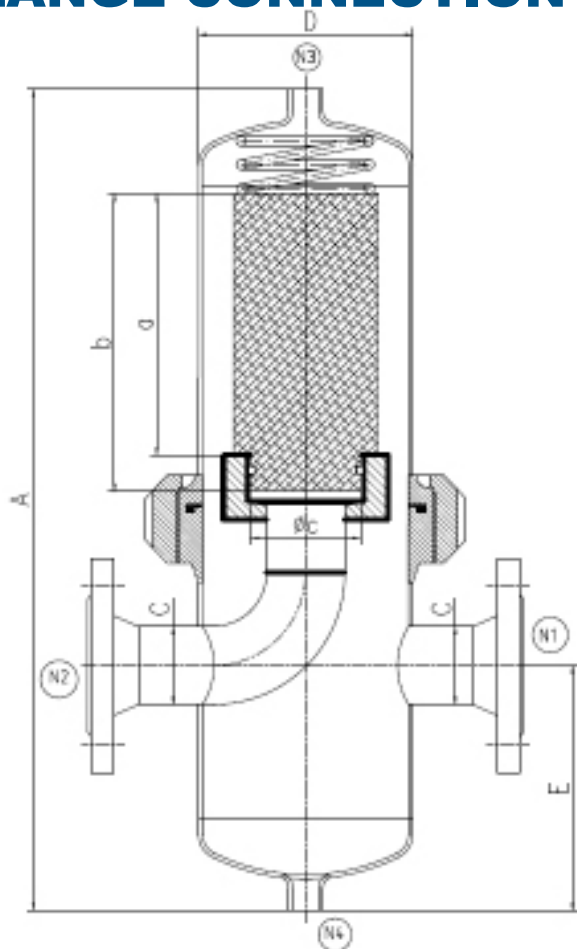
ASA CONNECTION



N	Name	Spec.	Material	Connection
N1	Inlet	Size C	SUS316L	Thread
N2	Outlet	Size C	SUS316L	Thread
N3	Plug	1/4"	SUS316L	Thread
N4	Plug	1/4"	SUS316L	Thread

Model	Flow (m³/h)		ASA (C)	Filter Element		Dimensions (mm)				Weight (kg)	Øc	
	Nom.	Max.		Size	Qty	A	B	øD	E		ID Inc.	OD Inc.
P-DD 0006	60	90	R ¼"	03/10	1	215	108	70	55	1,7	0,8	1,2
P-DD 0009	90	120	R ⅜"	04/10	1	245	108	70	55	1,9	0,8	1,2
P-DD 0012	120	180	R ½"	04/20	1	245	108	70	55	1,9	1	1,5
P-DD 0018	180	270	R ¾"	05/20	1	270	125	70	55	2,0	1	1,5
P-DD 0027	270	360	R 1"	05/25	1	295	125	85	75	2,6	1	1,5
P-DD 0036	360	480	R 1¼"	07/25	1	345	140	85	75	3,0	1	1,5
P-DD 0048	480	720	R 1½"	07/30	1	390	170	104	100	4,3	2	2,4
P-DD 0072	720	1080	R 2"	10/30	1	465	170	104	100	4,8	2	2,4
P-DD 0108	1080	1440	R 2"	15/30	1	590	170	104	100	5,3	2	2,4
P-DD 0144	1440	1920	R 2½"	20/30	1	735	216	129	110	9,0	2	2,4
P-DD 0192	1920	2880	R 3"	30/30	1	1000	216	129	110	10,8	2	2,4
P-DD 0288	2880	4320	R 3"	30/50	1	1025	240	154	120	16,2	3,2	3,5

FLANGE CONNECTION DN2633



N	Name	Spec.	Material	Connection
N1	Inlet	Size C	SUS316L	Flange
N2	Outlet	Size C	SUS316L	Flange
N3	Plug	1/4"	SUS316L	Thread
N4	Plug	1/4"	SUS316L	Thread

Model	Flow (m³/h)		Flange (C)	Filter Element		Dimensions (mm)				Weight (kg)	Øc	
	Nom.	Max.		Size	Qty	A	B	øD	E		ID Inc.	OD Inc.
P-DD 0006	60	90	DN10	03/10	1	215	180	70	55	2,7	0,8	1,2
P-DD 0009	90	120	DN10	04/10	1	245	180	70	55	2,9	0,8	1,2
P-DD 0012	120	180	DN15	04/20	1	245	180	70	55	3,4	1	1,5
P-DD 0018	180	270	DN20	05/20	1	270	202	70	55	4,0	1	1,5
P-DD 0027	270	360	DN25	05/25	1	295	212	85	75	4,8	1	1,5
P-DD 0036	360	480	DN32	07/25	1	345	220	85	75	6,4	1	1,5
P-DD 0048	480	720	DN40	07/30	1	390	254	104	100	8,0	2	2,4
P-DD 0072	720	1080	DN50	10/30	1	465	260	104	100	10,0	2	2,4
P-DD 0108	1080	1440	DN50	15/30	1	590	260	104	100	10,5	2	2,4
P-DD 0144	1440	1920	DN65	20/30	1	735	290	129	110	15,0	2	2,4
P-DD 0192	1920	2880	DN80	30/30	1	1000	300	129	110	18,2	2	2,4
P-DD 0288	2880	4320	DN80	30/50	1	1025	340	154	120	23,6	3,2	3,5