

# Filter Housing AG superplus

The aluminium superplus filter housings with economizer and electronically controlled drain are designed for the purification of compressed air and gases. Due to the modular design of the housings different filter elements can be used.

## Product Description:

AG superplus housings are designed for the purification of compressed air and gases in an industrial operation. The housings are made out of three parts and due to an optimized construction offer low differential pressures at high flow rates and as a standard equipped with an economizer and an electronically controlled drain. A multitude of various housings allow to match the requirements of the application, e.g. the compressor size.

This product series offers 14 different housings ranging from a volume flow of 1080 m<sup>3</sup>/h to 38400 m<sup>3</sup>/h (related to 7 bar (ü) and 20°C).

The AG superplus housings conforms to the requirements of the European directive 97/23/EG for pressure vessels.



AG superplus

## Technical data

Features:	Benefits:
Housing made out three parts.	Installation and maintenance
Acoustic alarm signal	Maximum safety
Optimized housing construction for best flow velocity	Savings in purification costs of compressed air and gases
Economizer with integrated microprocessor	Determines the cost optimum point of time to exchange the filter element

Maximum operating pressure:	
0002-0288	PN 16

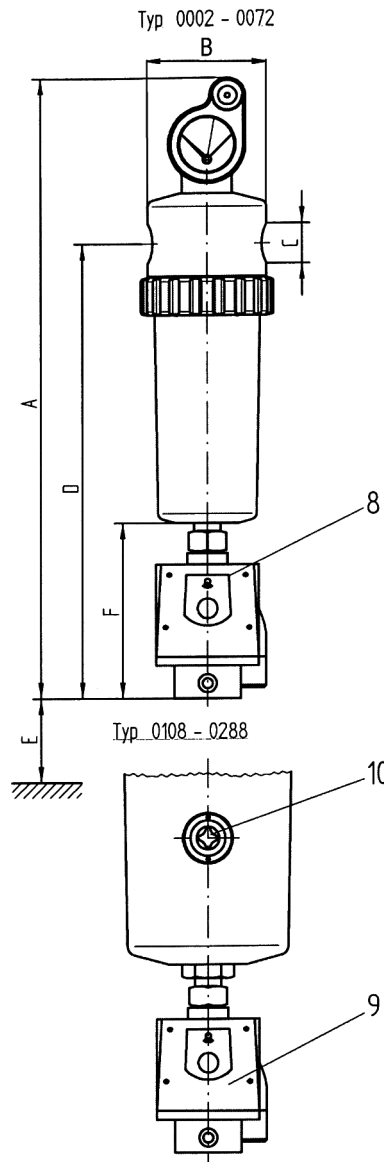
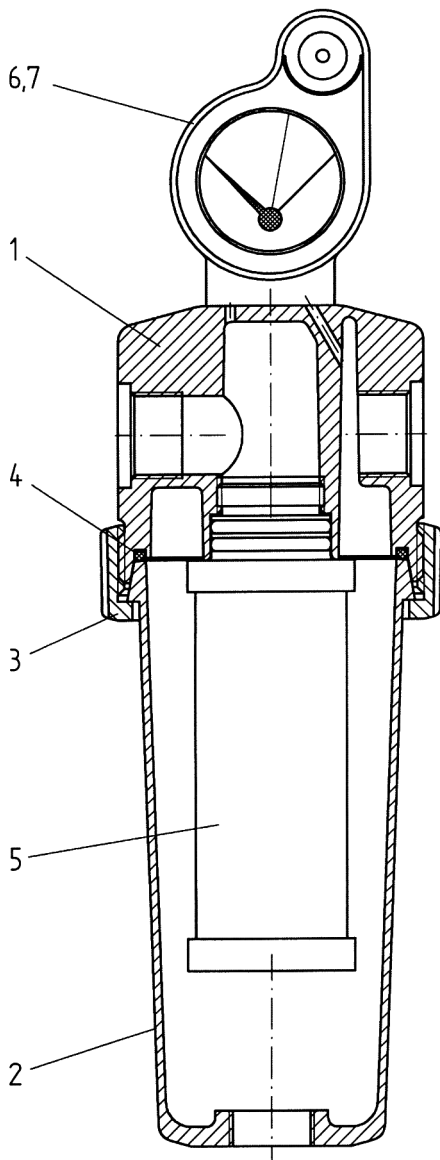
Maximum operating temperature:	
Housing	120 °C
Economizer + electronically controlled drain	65 °C

Materials:	
Filter housing	Aluminium die cast resp. mold cast
Screw locking ring with acoustic warning signal	Aluminium
Economizer differential pressure gauge	Plastic
Electronically controlled drain	Aluminium die cast and plastic
Sealing	Parting compound free o-ring made of Perbunan

Surface finish:
Polyester resin coating

Connection:
1/4" to 3" BSP

Technical alterations reserved (Date 03/03)



Pos.	Piece	Description
10	1	sight glass R 1"
9 0108-0288	1	drain UFM-T 20
8 0002-0072	1	drain UFM-T 1
7 0048-0288	1	economizer NG 80
6 0002-0036	1	economizer NG 50
5	1	filter element
4	1	housing O-ring
3	1	screw locking ring
2	1	lower housing bowl
1	1	upper housing bowl

Max. working pressure:	16 bar
Test pressure:	22,88 bar
Working temperature:	+1 / +65°C
Designtemperature:	120°C
Material:	AG 0002 - 0036 EN AC-AISI 12 AG 0048 - 0288 EN AC-AISI 7 Mg 0,3 wa
Paint coat:	polyester resin coating

Classification acc. to 97/23/EG for fluids group 2	
AG 0002 - 0036	Art. 3, par. 3
AG 0048 - 0192	Kat. I
AG 0288	Kat. II

Housing size	Volume (l)	Weight* (kg)	A mm	ø B mm	C**	D mm	E mm	F mm	Element size
0002	0.35	1.8	420	70	G 1/4"	305	75	140	02/05
0004	0.35	1.8	420	70	G 3/8"	305	90	140	03/05
0006	0.5	2.3	475	80	G 3/8"	335	90	140	03/10
0009	0.5	2.3	475	80	G 1/2"	335	120	140	04/10
0012	0.9	2.7	495	95	G 1/2"	360	120	140	04/20
0018	0.9	2.7	495	95	G 3/4"	360	150	140	05/20
0027	1.4	3.0	570	110	G 1"	425	150	140	05/25
0036	1.4	3.0	570	110	G 1 1/4"	425	200	140	07/25
0048	4.5	7.3	730	150	G 1 1/2"	530	200	140	07/30
0072	4.5	7.3	730	150	G 2"	530	280	140	10/30
0108	6.0	10.4	870	160	G 2"	670	450	155	15/30
0144	7.5	13.0	1010	180	G 2 1/2"	800	580	155	20/30
0192	9.7	14.1	1260	180	G 3"	1050	850	155	30/30
0288	18.0	20.4	1295	210	G 3"	1085	850	155	30/50

\* without filter element \*\* alternative NPT also available