

Micro-Filter Type 491

variobloc G^{1/4} – G1



Microborosilicate air filters are suitable for use in all situations in which the required purity of the compressed air is especially high. As the second stage after the standard filter they remove almost without residue the smallest remaining particles of water, oil or dirt to 99,999% (for 0,01µm).

Technical Data

	I		II	
Thread	G ^{1/4}	G ^{3/8}	G ^{1/2}	G ^{3/4} G1***
Nominal rates of flow*	370NI/min	420NI/min	1000NI/min	1100NI/min
Particle separation**	99,999%, related to 0,01µm			
Residual oil content	0,01 mg/m ³			
Air quality ISO 8573.1	Class 1 dirt, Class 1 oil			
Pre-Pressure (p₁) max.	16bar/20bar with metal bowl 50°C/80°C with metal bowl			
Max. operating temperature	50°C/80°C with metal bowl			
Volume of condensate	10cm ³		30cm ³	
Drain valve	manually (opt.: semi-automatic, fully-automatic)			
Material				
Housing	zinc alloy			
Bowl	polycarbonate			
Weight	310g		870g (G1 = 1330g)	

* measured at 7 bar pre-pressure (p₁) and Δp=0,1 bar
 ** Prefiltration necessary at 5µm
 *** mounting plates with G1 see page 17
 External-automatic drain valve see page 18

special option - how to order:

491.x x x x

S	plastic bowl	bowl/option
M	metal bowl	
0	without	indicator
1	mechanical	
2	electrical	
Size I	2 - G ^{1/4}	Size II
	3 - G ^{3/8}	
2	manually-operated drain valve	Fixing- and assembly- possibilities see page 17
5	semi-automatic drain valve	
6	external-automatic drain valve „A”	

Accessories and main spare parts

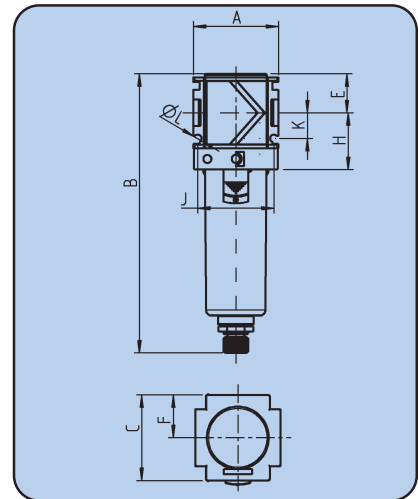
	I	II
Filter element with seal	491-4	491-103
Plastic bowl with manually-operated drain valve	491-13	491-108
Metal bowl with manually-operated drain valve	480-28	480-213
Bowl protection	480-25	-

Dimensions [mm]

Thread	A	B	C	E	F	H	J	K	ØL
G ^{1/4} and G ^{3/8}	48	158	48	22	24	32	43	14,5	4,4
G ^{1/2} and G ^{3/4}	70	202	70	26	35	44	62	18	5,4
G1***	125	202	70	26	35	44	62	18	5,4

Upon request:

Cover	“private label”
Thread	NPT



Rates of flow

