

Filters - G^{1/8} – G^{1/4}



Compressed air filters in modular design for cleansing the compressed air of humidity (by means of cycloning) and solid particles. Can be flanged on either side for additional airvision equipment. Port sizes G^{1/8} and G^{1/4}.

Standard versions:

With plastic bowl and manually operated drain valve, filter porosity 40 µm

Connection threads	Order No.
G ^{1/8}	445.21*
G ^{1/4}	445.22

* inlet and outlet reduced
(reductions with o-ring added loosely)

Order key for all variants:

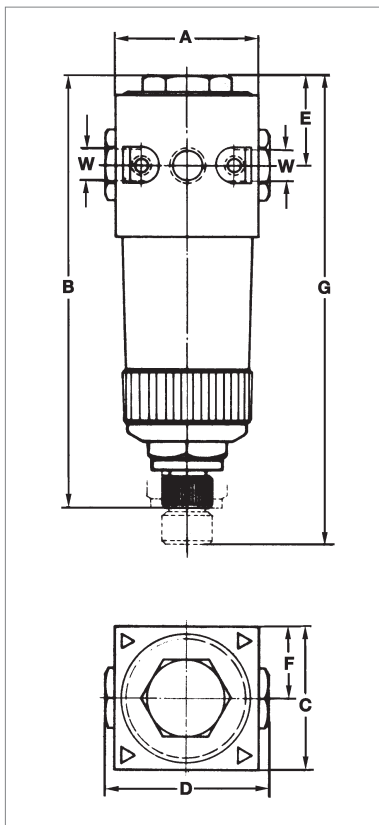
445.xx			
	1 – G ^{1/8}		connection threads
	2 – G ^{1/4}		
	2 – manually operated drain valve		(p ₁ max. 16bar)
	3 – internal automatic drain valve		(p ₁ 1 - 12bar)
	5 – semi-automatic drain valve		(p ₁ 0,5- 16bar)
	6 – external automatic drain valve A		(p ₁ 4- 16bar)
	7 – external automatic drain valve B		(p ₁ 1 - 12bar)

Spare parts and accessories

	Order No.
Bracket mounting for mounting on housing	444-5
Plastic bowl with seal and	
- manually operated drain valve	443-12
- semi-automatic drain valve	443-42
- external automatic drain valve A (max. 16 bar)	443-43
- external automatic drain valve B (max. 12 bar)	443-111
Plastic bowl (long bowl) with seal and internal automatic drain valve (max. 12 bar)	419-78
Filter element	
filter porosity 40 µm (mounted)	443-32
filter porosity 5 µm	443-167
Reduction with o-ring	
G ^{1/4} x G ^{1/8}	443-86

Technical data

Nominal rates of flow (measured at p ₁ = 6 bar and Δp = 1 bar)	1.170NI/min
Max. operating pressure (p₁)	16bar
Operating temperature	0°C up to +50°C
Effective bowl volume	10 cm ³
Mounting position	vertical
Direction of flow	arrow
Filter porosity	40 µm
Nominal width	DN6
Nominal pressure (housing)	PN25
Weight	230g
Material	
- seals	NBR
- housing	zinc alloy
- filter element	polyethylene
- plastic bowl	polycarbonate



Dimensions [mm]

Connection threads	G ^{1/8} *	G ^{1/4}
A	40	40
B**	120	120
C	40	40
D	46	40
E	25	25
F	20	20
G	150	150

* inlet and outlet reduced
(reductions with o-ring separately included)

** with internal automatic drain valve: +40 mm
with semi automatic drain valve: +10 mm
with external automatic drain valve A: +90 mm
with external automatic drain valve B: +75 mm

Rates of flow

