

Preparation of compressed air ► Maintenance units and components

Microfilter, Series NL4-FLC

► G 1/4 - G 1/2 ► filter porosity: 0.01 µm



00010372

Version	Microfilter, Can be assembled into blocks
Mounting orientation	vertical
Working pressure min./max.	2 bar / 16 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10°C / +60°C
Ambient temperature min./max.	-10°C / +60°C
Filter reservoir volume	25 cm³
Filter element	exchangeable
filter porosity	0.01 µm
Condensate drain	See table below
Materials:	
Housing	Die cast zinc
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber
Threaded bushing	Die cast zinc
Filter insert	Borosilicate glass fiber

Technical Remarks

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Recommended pre-filtering: 0.3 µm
- max. residual oil content at the outlet: 0.01 mg/m³
- solid impurities in the compressed air at the outlet as per ISO 8573-1: class 1

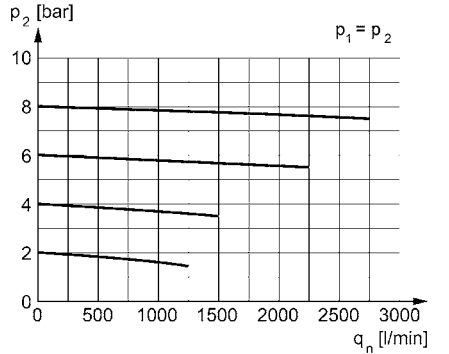
	Port	Qn	Condensate drain	Reservoir	Protective guard	Weight	Note	Part No.
		[l/min]				[kg]		
	G 1/4	720	fully automatic, open without pressure	Die cast zinc with window	-	0.886	-	0821303418
	G 1/4	720	fully automatic, open without pressure	Die cast zinc with window	-	0.886	-	0821303419
	G 1/2	720	semi-automatic, open without pressure	Polycarbonate	-	1.23	1)	0821303514
	G 1/2	1200	fully automatic, open without pressure	Die cast zinc with window	-	1.63	1)	0821303516
	G 1/2	720	semi-automatic, open without pressure	Polycarbonate	Steel	1.23	1)	R412010794
	G 1/2	720	semi-automatic, open without pressure	Die cast zinc with window	-	1.23	1)	R412010795
	G 1/2	720	fully automatic, open without pressure	Polycarbonate	-	1.29	1)	0821303571
	G 1/2	720	fully automatic, open without pressure	Polycarbonate	Steel	1.29	1)	R412010796
	G 1/2	720	fully automatic, open without pressure	Die cast zinc with window	-	1.29	1)	R412010797

1) Suitable for use in Ex zones 1, 2, 21, 22
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 0,1 bar

Microfilter, Series NL4-FLC

► G 1/4 - G 1/2 ► filter porosity: 0.01 µm

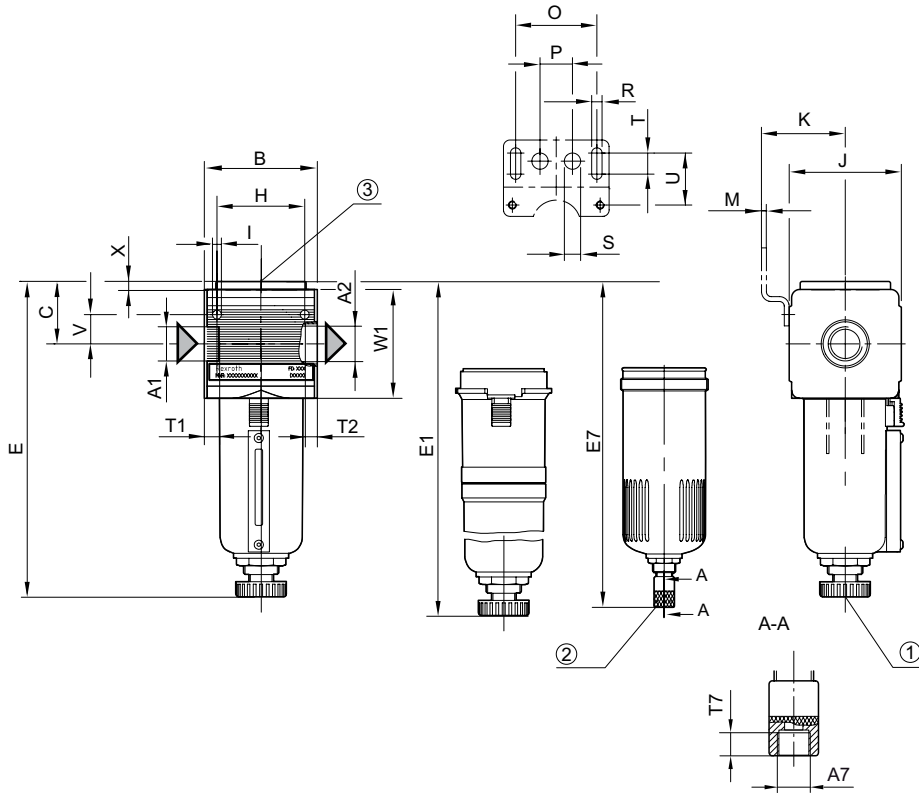
Flow rate characteristic



00129811

p2 = secondary pressure
qn = nominal flow

Dimensions



00134020

- 1) semi-automatic condensate drain
- 2) fully automatic condensate drain
- 3) differential pressure gauge connection

A1	A2	A7	B	C	E	E1	E7	H	I	J	K	M	O
G 1/4	G 1/4	G 1/8	69.6	38.5	202	-	-	54	5.5	69	54.5	3	50
G 1/4	G 1/4	G 1/8	69.6	-	-	249	-	54	5.5	69	54.5	3	50
G 1/2	G 1/2	G 1/8	69.6	39.5	186	-	-	54	5.5	69	54.5	3	50

Preparation of compressed air ► Maintenance units and components

Microfilter, Series NL4-FLC

► G 1/4 - G 1/2 ► filter porosity: 0.01 µm

A1	A2	A7	B	C	E	E1	E7	H	I	J	K	M	O
G 1/2	G 1/2	G 1/8	69.6	38.5	-	335	-	54	5.5	69	54.5	3	50
G 1/2	G 1/2	G 1/8	69.6	38.5	-	186	-	54	5.5	69	54.5	3	50
G 1/2	G 1/2	G 1/8	69.6	38.5	186	-	-	54	5.5	69	54.5	3	50
G 1/2	G 1/2	G 1/8	69.6	38.5	-	-	201	54	5.5	69	54.5	3	50

A1	P	R	S	T	T1	T2	T7	U	V	W1	X		
G 1/4	20	6.4	10	13	13	13	8.5	33	18	67	5		
G 1/4	20	6.4	10	13	13	13	8.5	33	18	67	-		
G 1/2	20	6.4	10	13	13	13	8.5	33	18	67	-		
G 1/2	20	6.4	10	13	13	13	8.5	33	18	67	5		
G 1/2	20	6.4	10	13	13	13	8.5	33	18	67	-		
G 1/2	20	6.4	10	13	13	13	8.5	33	18	67	-		
G 1/2	20	6.4	10	13	13	13	8.5	33	18	67	-		