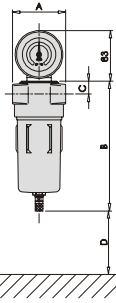
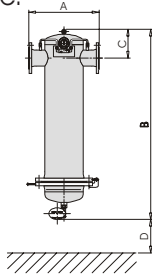


MICRO FILTER



Aluminium housings. Powder coated outer protection. NG30D to NG190D with differential pressure gauge connection threaded type.



Steel housings with corrosion resistance inside and out. Powder coated outside. With differential pressure gauge connection flange type.

Technical Data

Model	Capacity normal m ³ /h	Connection Pressure G/DN	Max bar	mm	Dimensions			Weight	No. of	filter Element Types
					mm	mm	mm			
NG20	30	G 1/4	16	60	165	14	60	0.6	1	2002*
NG30	50	G 1/4	16	87	215	21	75	1.0	1	2003*
NG50	70	G 3/8	16	87	215	21	90	1.0	1	2005*
NG70	100	G 1/2	16	87	285	21	160	1.2	1	2007*
Ng90	180	G 3/4	16	130	325	43	135	3.8	1	2009*
NG110	300	G 1	16	130	425	43	235	4.5	1	2011*
NG120	470	G1 1/2	16	130	525	43	335	5.0	1	2012*
NG130	700	G1 1/2	16	130	670	43	525	6.0	1	2013*
NG140	940	G2	16	163	776	48	520	8.0	1	2014*
NG170	1450	G2	16	163	1023	48	770	11.0	1	2017*
NG190	2400	G3	12	248	1150	74	750	25.0	1	2019*
NF140	940	DN 50	16	380	1030	175	530	50.0	1	2014*
NF170	1450	DN 80	16	380	1280	175	530	52.0	1	2017*
NF190	2400	DN 80	16	440	1320	205	530	79.0	1	2019*
NF200	2900	DN 100	16	500	1440	230	550	106.0	2	2017*
NF300	4350	DN 100	16	500	1440	230	550	106.5	3	2017*
NF400	5800	DN 150	16	640	1590	280	550	148.0	4	2017*
NF600	8700	DN 150	16	790	1650	300	550	208.0	6	2017*
NF800	11600	DN 200	16	790	1730	340	550	230.0	8	2017*
NF1000	14500	DN 200	16	840	1780	360	550	368.0	10	2017*
NF1200	17400	DN 250	16	940	1940	420	600	450.0	12	2017*
NF1600	23200	DN 250	16	940	1940	420	600	460.0	16	2017*
NF2000	29000	DN 300	16	940	1970	450	600	520.0	20	2017*

+ Calculated at 1 bar and 20 °C at 7 bar g working pressure * For suffix No. See filter element performance table code no

Filter Element Performance Table

S. No	Code [†]	Element Grade	Performance data			
1	G	Pre-filter element	0.02 bar (dry)	0.07 bar (saturated)	99.99% (3μ)	—
2	N	general purpose filter	0.03 bar (dry)	0.10 bar (saturated)	99.9999% (1 μ)	<0.5 mg/m ³ (1 bar a and 20°C)
3	F	oil removal filter	0.06 bar (dry)	0.15 bar (saturated)	99.99999% (0.01μ)	<0.01 mg/m ³ (1 bar a and 20°C)
4	C	activated carbon filter	0.03 bar	0.003 mg/m ³ (1 bar a and 20 °C) with an inlet concentration of <0.01 mg/m ³		

Conversion Factor F For Other Operating Pressures **

Operating pressure (bar)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
F=	0.25	0.38	0.50	0.63	0.75	0.88	1.00	1.13	1.25	1.38	1.50	1.63	1.75	1.88	2.00	2.13

** Calculated for constant velocity and 20 °C

Example 1 : If you have a flow of 1300 m³/h (1 bar and 20 °C) at a minimum working pressure of 10 bar what size filter do you require

Answer : Flow, f = 1300 m³/h, 1.38 = 940 m³/h = NG140 size

Example 2 : What is the nominal flow through a NG 140 filter with a minimum working pressure of 10 bar

Answer : Flow : f = 940 m³/h X 1.38 = 1300 m³/h (1 bar a and 20°C)