



# Series N filters, coalescing filters and activated carbon filters

Ports: G1/8, G1/4



- » Available with: transparent PA12 bowl or nickel-plated brass bowl for the small version (N1)
- » Quality of delivered air according to ISO 8573-1:2010 from Class 7.8.4 to Class 1.7.1

The version with semi-automatic manual drain is equipped with a transparent bowl that makes the monitoring of the condensate level very easy.

The version with metal bowl is particularly suitable for applications subject to impacts or in the presence of aggressive agents that could damage the PA12 bowl.

Series N filters are available with G1/8 and G1/4 gas ports. The models are available with 3 different filtering elements: 25, 5, 0.01µm and activated carbon.

## GENERAL DATA

<b>Construction</b>	HDPE, coalescing and activated carbon filtering element
<b>Materials</b>	brass, transparent PA12 or nickel-plated brass, NBR
<b>Ports</b>	G1/8 - G1/4
<b>Max. condensate capacity</b>	11 cm <sup>3</sup> (bowl size = 1) 28 cm <sup>3</sup> (bowl size = 2)
<b>Weight</b>	0.220 kg
<b>Mounting</b>	vertical, inline
<b>Operating temperature</b>	-5°C ÷ 50°C at 10 bar (with the dew point of the fluid lower than 2°C at the min. working temperature)
<b>Quality of delivered air according to ISO 8573-1 2010</b>	Class 7.8.4 with 25 µm filtering element Class 6.8.4 with 5 µm filtering element Class 1.8.1 with 0.01 µm filtering element Classe 1.7.1 with activated carbon filtering element
<b>Draining of condensate</b>	see the coding example
<b>Operating pressure</b>	0.3 ÷ 16 bar (with depressurisation max 10 bar)
<b>Nominal flow</b>	see FLOW DIAGRAMS on the following pages
<b>Fluid</b>	Compressed air
<b>Pre-filtering</b>	it is recommended to use a filter with residual oil of 0.01mg/m <sup>3</sup>

**CODING EXAMPLE**

<b>N</b>	<b>2</b>	<b>04</b>	<b>-</b>	<b>F</b>	<b>0</b>	<b>0</b>	<b>-</b>
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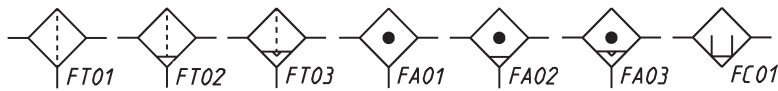
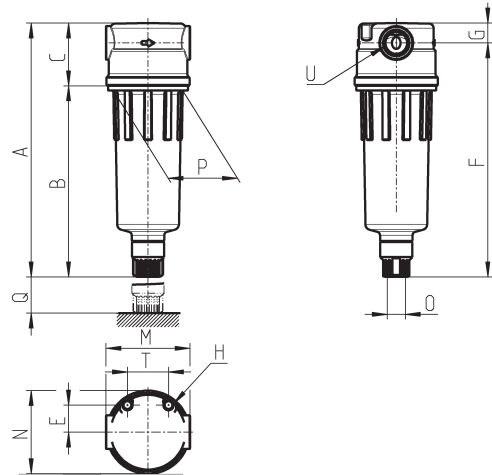
<b>N</b>	SERIES
<b>2</b>	SIZE: 1 = small bowl (11 cm <sup>3</sup> ) 2 = normal bowl (28 cm <sup>3</sup> )
<b>04</b>	PORTS: 08 = G1/8 04 = G1/4
<b>F</b>	F = FILTER
<b>0</b>	FILTERING ELEMENT: 0 = 25µm (standard) 1 = 5µm B = 0.01µm CA = activated carbon (without drain, only closed bowl size 2)
<b>0</b>	DRAINING OF CONDENSATE (further details in the dedicated section): 0 = semi-automatic manual drain 4 = depressurisation (normal bowl only) 5 = protected depressurisation (normal bowl only) 8 = no drain, direct G1/8 exhaust
	BOWL MATERIAL: = transparent PA12 (standard) TM = nickel-plated brass (only in the small size with semi-automatic manual drain or without drain, port 1/8)

SERIES N FILTERS

**Filters Series N**



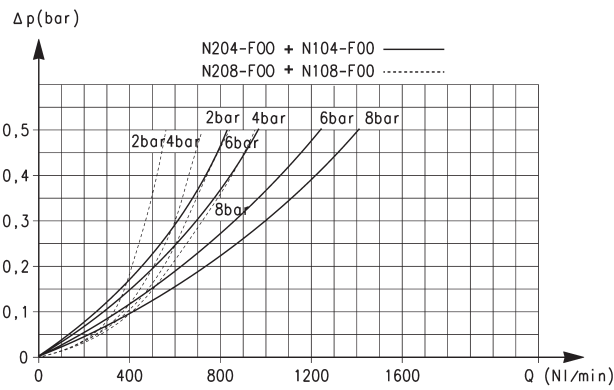
- FT01 = filter without drain with threaded port
- FT02 = filter with semiautomatic manual drain
- FT03 = filter with automatic/depression drain
- FA01 = coalescing filter without drain with threaded port
- FA02 = coalescing filter with semi-automatic manual drain
- FA03 = coalescing filter with automatic/depression drain
- FC01 = absorption function without bowl hole



DIMENSIONS														
Mod.	A	B	C	E	F	G	H	M	N	O	P	Q	T	U
<b>N108-F00</b>	111	78	33	14.5	101	10	M5	45	44.5	G1/8	38	40	22	G1/8
<b>N104-F00</b>	111	78	33	14.5	101	10	M5	45	44.5	G1/8	38	40	22	G1/4
<b>N208-F00</b>	135	102	33	14.5	125	10	M5	45	44.5	G1/8	38	40	22	G1/8
<b>N204-F00</b>	135	102	33	14.5	125	10	M5	45	44.5	G1/8	38	40	22	G1/4
<b>N208-FCA</b>	117	84	33	14.5	107	10	M5	45	44.5	G1/8	38	69	22	G1/8
<b>N204-FCA</b>	117	84	33	14.5	107	10	M5	45	44.5	G1/8	38	69	22	G1/4
<b>N108-F19-OX1</b>	93	59	33	14.5	82	10	M5	45	44.5		38	69	22	G1/8
<b>N104-F19-OX1</b>	93	59	33	14.5	82	10	M5	45	44.5		38	69	22	G1/4

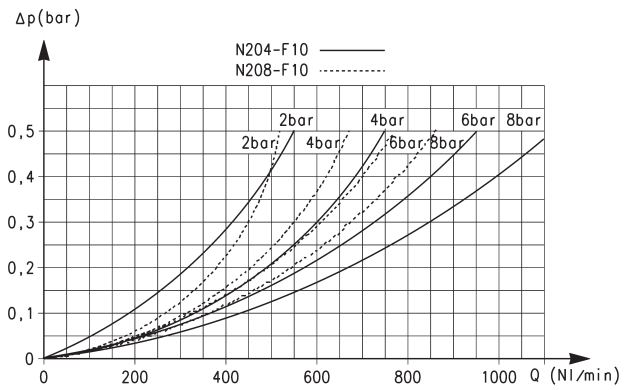
**FLOW DIAGRAMS**

SERIES N FILTERS



Flow diagram for models:  
 N204-F00 - N104-F00 = \_\_\_\_\_  
 N208-F00 - N108-F00 = - - - - -

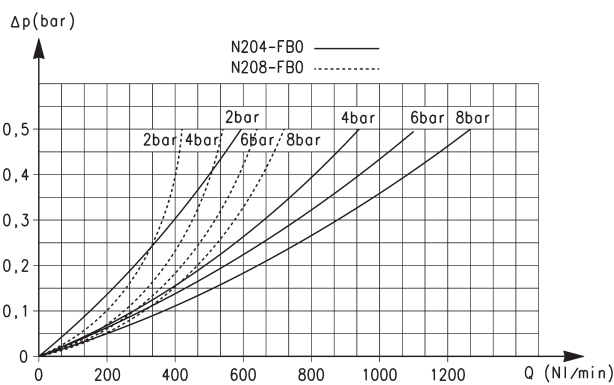
ΔP = Pressure drop (bar)  
 Q = Flow (NL/min)



Flow diagram for models:  
 N204-F10 = \_\_\_\_\_  
 N208-F10 = - - - - -

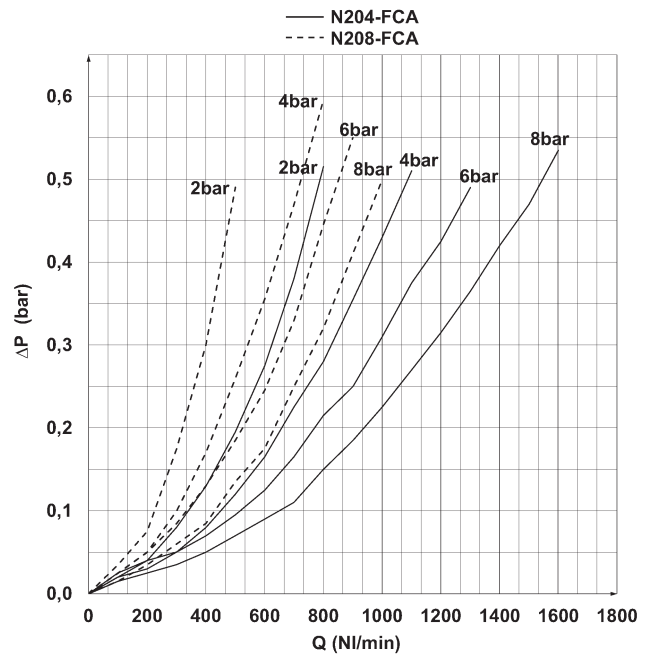
ΔP = Pressure drop (bar)  
 Q = Flow (NL/min)

**FLOW DIAGRAMS**



Flow diagram for models:  
 N204-FB0 = \_\_\_\_\_  
 N208-FB0 = - - - - -

ΔP = Pressure drop (bar)  
 Q = Flow (NL/min)



Flow diagram for models:  
 N204-FCA = \_\_\_\_\_  
 N208-FCA = - - - - -

ΔP = Pressure drop (bar)  
 Q = Flow (NL/min)