

Series N filter-regulators

Ports G1/8, G1/4
with screw-on transparent bowl



Series N filter-regulator is available with G1/4 and G1/8 ports. Its design incorporates a self relieving diaphragm. The transparent filter bowl allows an easy monitoring of the condensate levels. The manual and semi-automatic drain makes both the manual and automatic condensate exhaust easier when there is no pressure.

GENERAL DATA

Construction	HDPE filtering element
Materials	brass body and poppet - stainless steel spring - NBR O-ring - HDPE filtering element - Grilamid bowl - others: PA The version with brass bowl is available on request.
Ports	G1/8 - G1/4
Max. condensate capacity	size 1 = 11cm ³ size 2 = 28 cm ³
Weight	Kg 0,370
Pressure gauge ports	G1/8
Mounting	vertical, in- line
Operating temperature	-5°C + 50°C a 10 bar (with the dew point of the fluid lower than 2°C at the min. working temperature)
Porosity of filtering element	25 µm (standard) 5 µm (on request)
Draining of condensate	standard semi-automatic, manual
Inlet pressure	0 + 16 bar
Outlet pressure	0,5 + 10 bar
Nominal flow	see graph
Secondary pressure relieving	standard

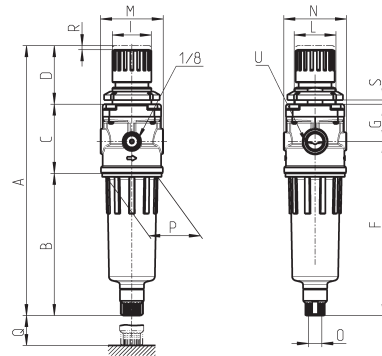
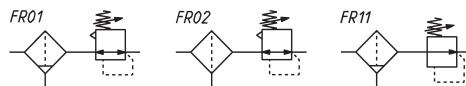
CODING EXAMPLE

N	2	04	-	D	0	0	-	4
N	SERIES							
2	SIZE: 1 = small bowl 2 = normal bowl							
04	PORTS: 08 = G1/8 04 = G1/4							
D	D = FILTER-REGULATOR							
0	FILTERING ELEMENT: 0 = 25µm (standard) 1 = 5µm							
0	DRAINING OF CONDENSATE AND DESIGN TYPE: 0 = manual - semiautomatic, self-relieving draining of condensate 1 = manual - semiautomatic, non-relieving draining of condensate 4 = depressurised draining of condensate, self-relieving (with normal bowl only) 5 = depressurised, protected draining of condensate, self-relieving (with normal bowl only) 8 = no drain, with port 1/8, self-relieving							
4	OPERATING PRESSURE: = 0,5 ÷ 10 bar (standard) 2 = 0 ÷ 2 bar 4 = 0 ÷ 4 bar 7 = 0,5 ÷ 7 bar							

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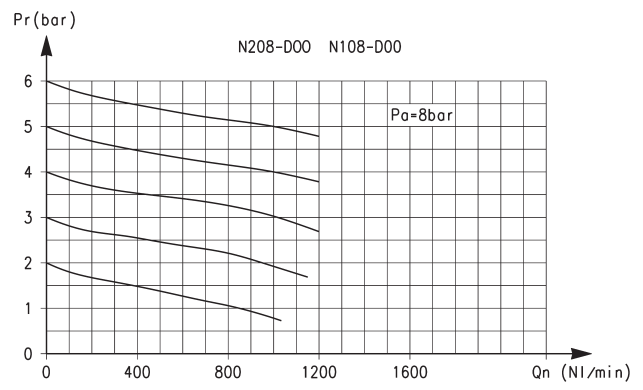
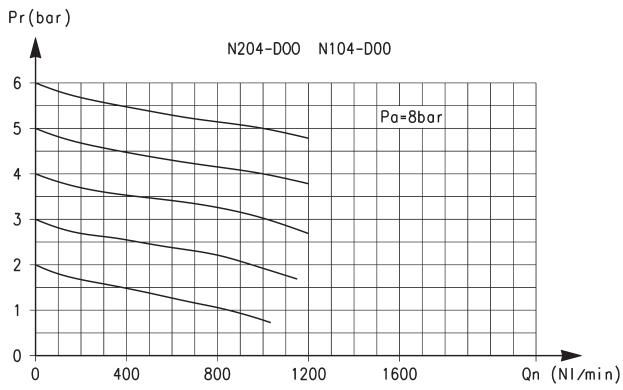


FR01 = filter-regulator with relieving and manual drain
FR02 = FR with relieving and without drain
FR11 = FR with manual drain and without relieving



Mod.	A	B	C	D	F	G	I	L	M	N	O	P	Q	R	S	U
N108-D00	167	78	50	39	101	27	28	M30x1,5	45	45	G1/8	38	40	3	0 ÷ 6	G1/8
N104-D00	167	78	50	39	101	27	28	M30x1,5	45	45	G1/8	38	40	3	0 ÷ 6	G1/4
N208-D00	191	102	50	39	125	27	28	M30x1,5	45	45	G1/8	38	40	3	0 ÷ 6	G1/8
N204-D00	191	102	50	39	125	27	28	M30x1,5	45	45	G1/8	38	40	3	0 ÷ 6	G1/4

FLOW DIAGRAM



Flow diagrams for models: N204-D00 - N104-D00

Pa = Inlet pressure
Pr = Regulated pressure
Qn = Flow

Flow diagrams for models: N208-D00 - N108-D00

Pa = Inlet pressure
Pr = Regulated pressure
Qn = Flow