Filters and coalescing filters Series N

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

The Series N filters are available with G1/8 and G1/4 gas ports.
The transparent bowl makes the monitoring of the condensate levels very easy and is equipped with manual and semiautomatic drain.
The models are available with 3 different filtering elements: 25µm, 5µm and 0,01µm.

GENERAL DATA

Construction	HDPE filtering element
Materials	brass, grillamid, NBR
Ports	G1/8 - G1/4
Max. condensate capacity	size 1 = 11 cm³ - size 2 = 28 cm³
Weight	Kg 0.220
Mounting	vertical, inline
Operating temperature	-5°C ÷ 50°C at 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); 0,01 µm
Draining of condensate	semiautomatic, manual
Operating pressure	0,3 ÷ 16 bar (with depressurisation max 10 bar)
Nominal flow	see graphs

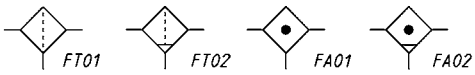
CODING EXAMPLE

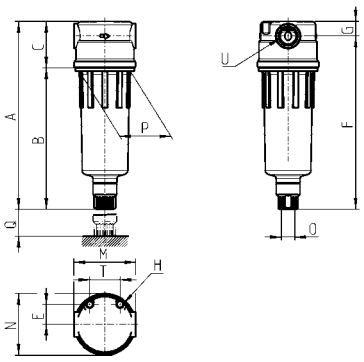
N	2	04	-	F	0	0

N	SERIES
2	SIZE: 1 = small bowl 2 = normal bowl
04	PORTS: 08 = G1/8 04 = G1/4
F	F = FILTER
0	FILTERING ELEMENT: 0 = 25µm (standard) 1 = 5µm B = 0.01µm
0	DRAINING OF CONDENSATE: 0 = manual - semiautomatic drain 4 = depressurisation - only normal bowl (2) 5 = depressurisation, protected - only normal bowl (2) 8 = no drain, port G1/8

Filters Series N

FT01 = filter without drain with threaded port
FT02 = filter with semiautomatic manual drain
FA01 = coalescing filter without drain with threaded port
FA02 = coalescing filter with semi-automatic manual drain

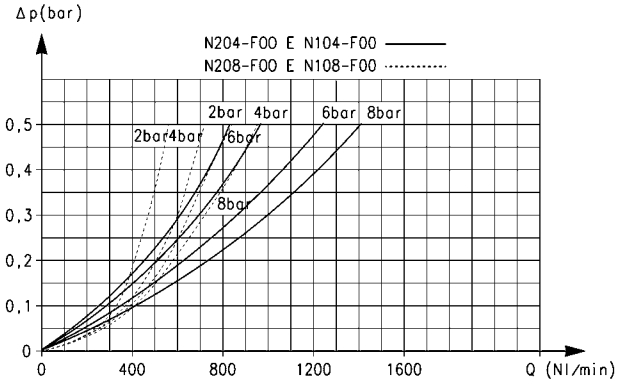




DIMENSIONS

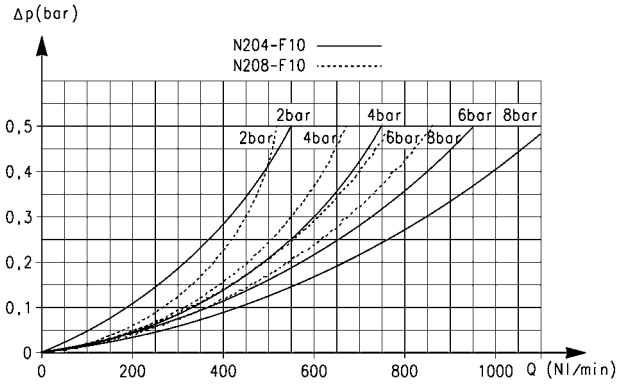
Mod.	A	B	C	E	F	G	H	M	N	O	P	Q	T	U
N108-F00	111	78	33	14,5	101	10	M5	45	44,5	G1/8	38	40	22	G1/8
N104-F00	111	78	33	14,5	101	10	M5	45	44,5	G1/8	38	40	22	G1/4
N208-F00	135	102	33	14,5	125	10	M5	45	44,5	G1/8	38	40	22	G1/8
N204-F00	135	102	33	14,5	125	10	M5	45	44,5	G1/8	38	40	22	G1/4

FLOW DIAGRAMS



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

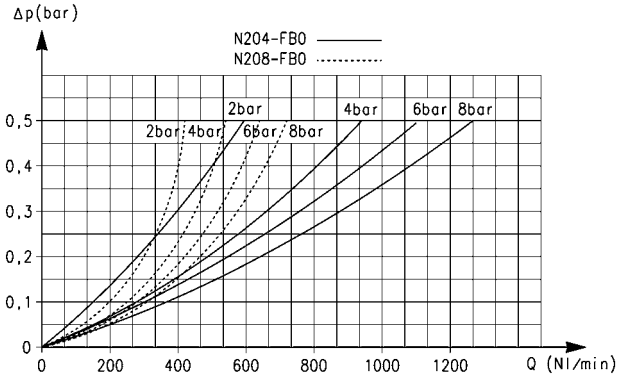
ΔP = Pressure drop
Q = Flow



Flow diagram for models:
N204-F10 = _____
N208-F10 = - - - - - - - -

ΔP = Pressure drop
Q = Flow

FLOW DIAGRAMS



Flow diagram for models:
N204-FB0 = _____
N208-FB0 = - - - - - - - -

ΔP = Pressure drop
Q = Flow

Pressure regulators Series N

Ports G1/8, G1/4

The Series N pressure regulator is available with G1/4 and G1/8 ports. Its design incorporates a self relieving diaphragm so as to allow decremental adjustments.

GENERAL DATA

Construction	diaphragm type
Materials	brass, technopolymer, NBR
Ports	G1/8 - G1/4
Weight	Kg 0.316
Pressure gauge ports	G1/8
Mounting	in - line or console (in any position)
Operating temperature	-5°C ÷ 50°C (with the dew point of the fluid lower than 2°C at the min. working temperature)
Inlet pressure	0 ÷ 16 bar
Outlet pressure	0.5 ÷ 10 bar
Nominal flow	see graphs
Secondary pressure relieving	standard

CODING EXAMPLE

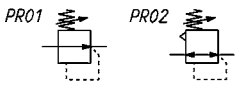
N	12	04	-	R	0	0

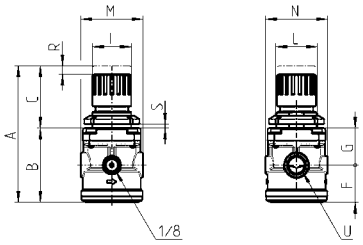
N	SERIES
12	SIZE: 12
04	PORTS: 08 = G1/8 04 = G1/4
R	R = REGULATOR
0	OPERATING PRESSURE: 0 = 0,5 ÷ 10 (standard) 1 = 0 ÷ 4 2 = 0 ÷ 2 7 = 0,5 ÷ 7
0	DESIGN TYPE: 0 = self-relieving 1 = non-relieving

Pressure regulators Series N

Calibrated or blocked regulators on request

PR01 = regulator without relieving
PR02 = regulator with relieving

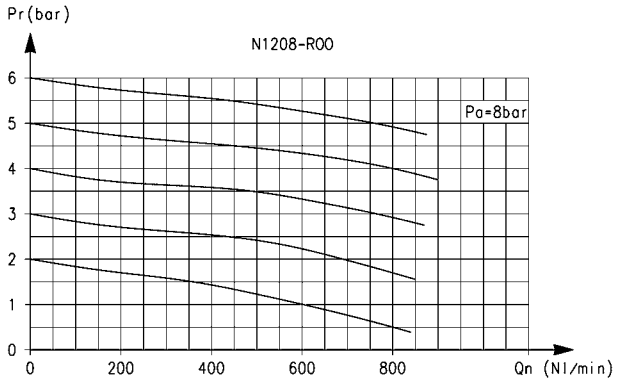




DIMENSIONS

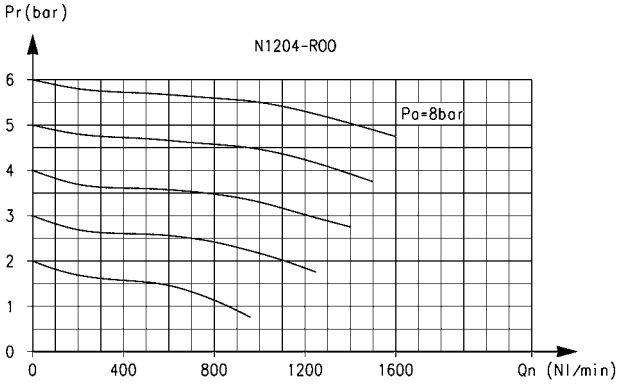
Mod.	A	B	C	F	G	I	L	M	N	R	S	U
N1208-R00	92	53	39	26	27	28	30X1,5	45	45	3	0÷6	G1/8
N1204-R00	92	53	39	26	27	28	30X1,5	45	45	3	0÷6	G1/4

FLOW DIAGRAMS



Flow diagram for model: N208-R00

Pa = Inlet pressure
Pr = Regulated pressure
Qn = Flow



Flow diagram for model: N204-R00

Pa = Inlet pressure
Pr = Regulated pressure
Qn = Flow

Lubricators Series N

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

The Series N lubricators are available with G1/4 and G1/8 ports.
The special type of design allows a vast range of applications in relation to the amount of atomized oil and the air consumed.
The body of the lubricator is made of brass, while the bowl is transparent.

GENERAL DATA

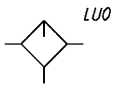
Construction	compensation valve
Materials	brass, technopolymer, NBR
Ports	G1/8 - G1/4
Oil capacity cm³	26 cm³ = size 1 - 37 cm³ = size 2
Weight	kg 0,240
Mounting	vertical, inline
Operating temperature	-5°C ÷ 50°C at 10 bar (with the dew point of the fluid lower than 2°C at the min. working temperature)
Oil refilling	without pressure
Oil for lubricator	from 3°E ÷ 10°E (ask our engineers for types available)
Operating pressure	1 ÷ 16 bar
Nominal flow	see graph
Min. air consumpt. for lubricat.	at 1 bar = 7,5 Nl/min - at 6 bar = 11 Nl/min

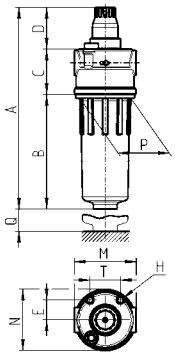
CODING EXAMPLE

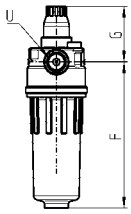
N	2	04	-	L	00

N	SERIES
2	SIZE: 1 = small bowl 2 = normal bowl
04	PORTS: 08 = G1/8 04= G1/4
L	L = LUBRICATOR
00	DESIGN TYPE: 00 = atomized oil

Lubricators Series N



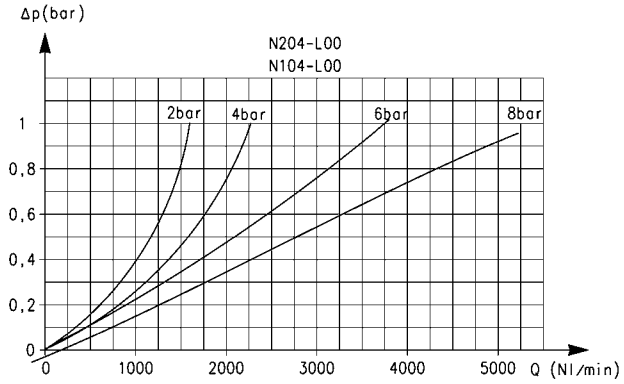




DIMENSIONS

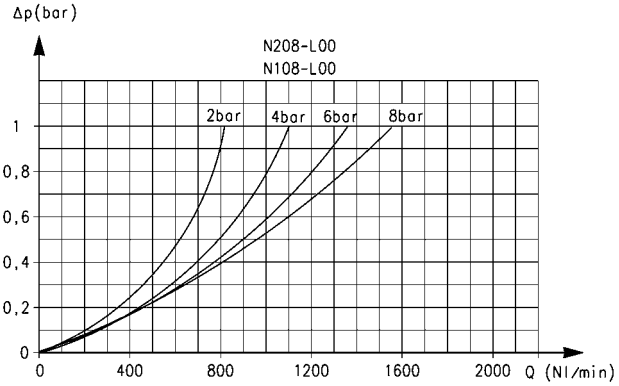
Mod.	A	B	C	D	E	F	G	H	M	N	P	Q	T	U
N108-L00	122,5	59	33	30,5	75,5	82	40,5	M5	45	44,5	38	46,5	22	G1/8
N104-L00	122,5	59	33	30,5	75,5	82	40,5	M5	45	44,5	38	46,5	22	G1/4
N208-L00	146,5	83	33	30,5	14,5	106	40,5	M5	45	44,5	38	46,5	22	G1/8
N204-L00	146,5	83	33	30,5	14,5	106	40,5	M5	45	44,5	38	46,5	22	G1/4

FLOW DIAGRAMS



Flow diagrams for models: N204-L00 and N104-L00

ΔP = Pressure drop
Q = Flow



Flow diagrams for models: N208-L00 and N108-L00

ΔP = Pressure drop
Q = Flow

Filter-regulators Series N

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

**The 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 = 11cm³ size 2 = 28 cm³
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

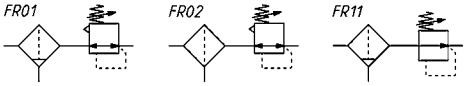
CODING EXAMPLE

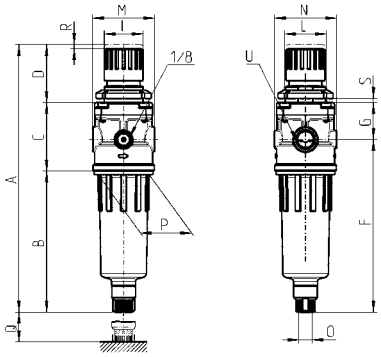
N	2	04	-	D	0	0	-	4

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	DESIGN TYPE: 0 = manual - semiautomatic, self-relieving 1 = manual - semiautomatic, non-relieving 4 = depressurisation, self-relieving - only normal bowl (2) 5 = depressurisation, protected with relieving - only normal bowl (2) 8 = no drain, port 1/8, self-relieving
4	OPERATING PRESSURE: = 0,5+10 2 = 0 +2 4 = 0 + 4 7 = 0,5 +7

Filter-regulators Series N

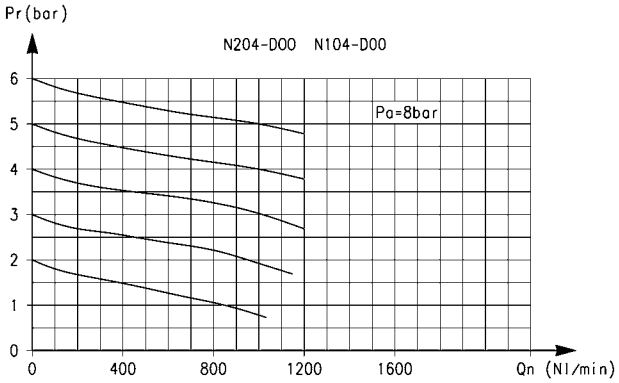
FR01 = filter-regulator with relieving and manual drain
FR02 = FR with relieving and without drain
FR11 = FR with manual drain and wiithout relieving





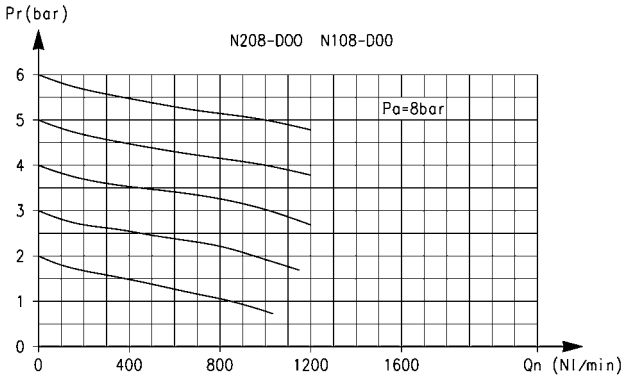
Mod.	A	B	C	D	F	G	I	L	M	N	O	P	Q	R	S	U
N108-D00	167	78	50	39	101	27	28	30X1,5	45	45	G1/8	38	40	3	0÷6	G1/8
N104-D00	167	78	50	39	101	27	28	30X1,5	45	45	G1/8	38	40	3	0÷6	G1/4
N208-D00	191	102	50	39	125	27	28	30X1,5	45	45	G1/8	38	40	3	0÷6	G1/8
N204-D00	191	102	50	39	125	27	28	30X1,5	45	45	G1/8	38	40	3	0÷6	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