

ACTIVATED CARBON FILTERS

SERIES N

Ports: G1/8, G1/4



- Removal of compressed air oil, liquid, and gas components through the activated carbon
- Quality of delivered air according to ISO 8573-1:2010, Class [1:7:1]
- Only available with closed bowl

Series N activated carbon filters are designed for the adsorption function (FC01) in an extremely compact “nipple-type” format, intended to complete compressed-air treatment when a higher level of cleanliness is required. The activated carbon element works by adsorbing oily contaminants and components that can generate odors in the air stream.

The CA (activated carbon) configuration of Series N is supplied without a drain and with a closed bowl only in size 2 (28 cm³); available with G1/8 and G1/4 connections (e.g., N208-FCA, N204-FCA) and outlet air quality in accordance with ISO 8573-1:2010 Class [1:7:1]. To ensure performance, pre-filtration is required: the use of a filter with residual oil content of 0.01 mg/m³ is recommended. Operating temperature: -5°C to 50°C.

AIR TREATMENT

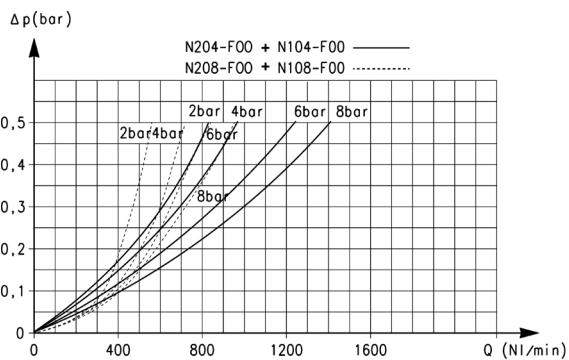
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General Data

Construction	Carbon filtering element
Materials	Brass, transparent PA12 or nickel-plated brass, NBR
Ports	G1/8 - G1/4
Max condensate capacity	11 cm ³ (bowl size = 1) 28 cm ³ (bowl size = 2)
Weight	0,220 kg
Mounting	Vertical, inline
Working temperature	-5°C ÷ 50°C at 10 bar (with the dew point of the fluid lower than 2°C at the min. working temperature)
Quality of delivered air according to ISO 8573-1:2010	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 Class [1:7:1] with activated carbon filtering element
Draining of condensate	See the coding example
Fluid	Compressed air
Pre-filtering	It is recommended to use a filter with residual oil of 0,01mg/m ³

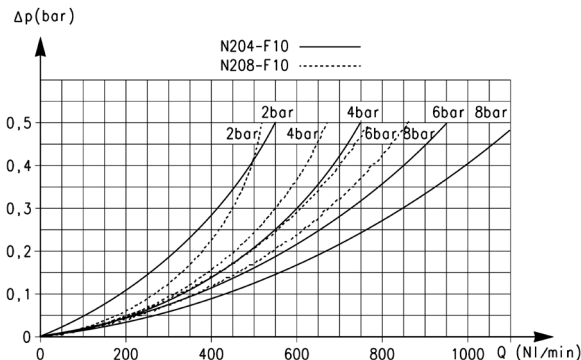
ACTIVATED CARBON FILTERS
SERIES N - CODING EXAMPLES
Coding Example

N	2	04	-	F	0	0	-
N	SERIES						
2	SIZE 1 = Small bowl (11 cm ³) 2 = Normal bowl (28 cm ³)						
04	PORTS 08 = G1/8 04 = G1/4						
F	FILTER						
0	FILTERING ELEMENT CA = Activated carbon (without drain, only closed bowl size 2)						
0	DRAINING OF CONDENSATE 0 = Semi-automatic manual drain 4 = Depressurisation (normal bowl only) 5 = Protected depressurisation (normal bowl only) 8 = No drain, direct G1/8 exhaust 9 = Closed bowl						
	BOWL MATERIAL = Transparent PA12 (standard)						

Flow diagrams


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

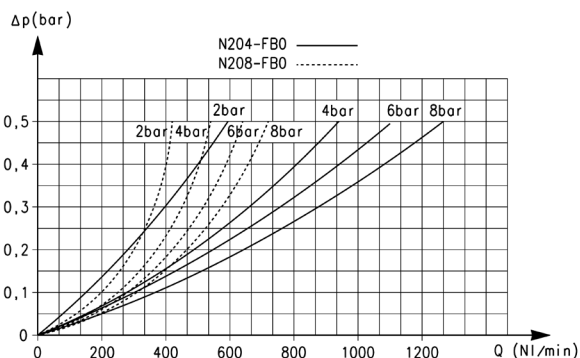
ΔP = Pressure drop (bar)
 Q = Flow (NI/min)



Flow diagram for models:
 N204-F10 = ———
 N208-F10 = ······

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

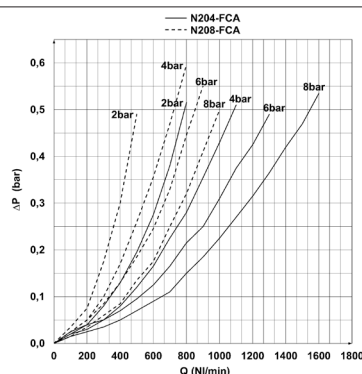
Flow diagrams



Flow diagram for models:

N204-FB0 = ———
N208-FB0 = - - - - -

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



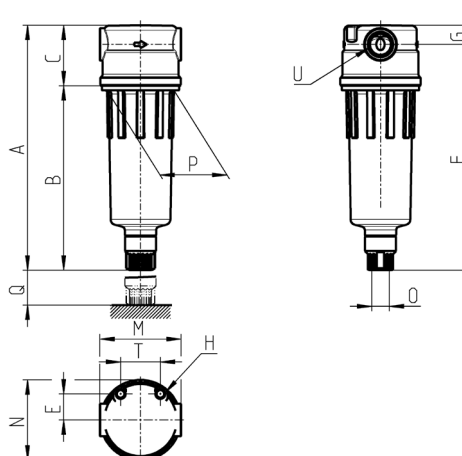
Flow diagram for models:

N204-FCA = ———
N208-FCA = - - - - -

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

Activated carbon filters Series N

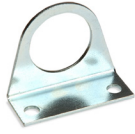
FC01 = Absorption function without bowl hole



Mod.	A	B	C	E	F	G	H	M	N	O	P	Q	T	U
N208-FCA	117	84	33	14,5	107	10	M5	45	44,5	-	38	69	22	G1/8
N204-FCA	117	84	33	14,5	107	10	M5	45	44,5	-	38	69	22	G1/4

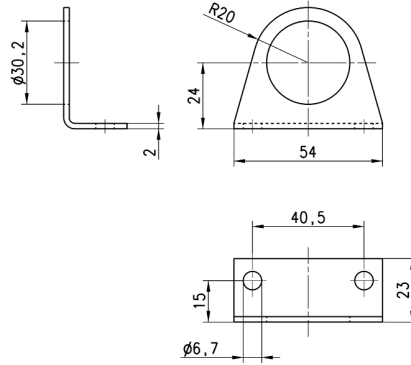
Mounting bracket Mod. C114-ST

For regulators and filter-regulators (G1/4 - G1/8)



Material:
zinc-plated steel

Supplied with:
1x bracket



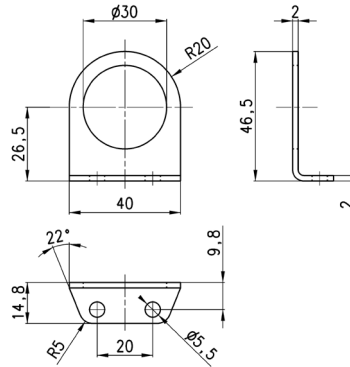
Mod.
C114-ST

Mounting bracket Mod. C114-ST/1



Material:
zinc-plated steel

Supplied with:
1x bracket



Mod.
C114-ST/1

Mounting bracket Mod. C114-ST/2

For regulators and filter-regulators (G1/4 - G1/8)

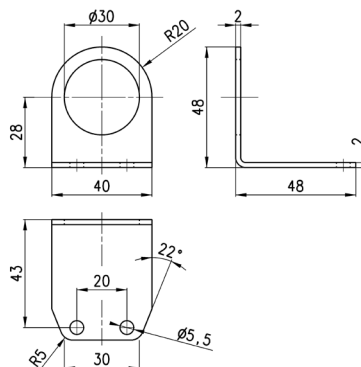


Material:
zinc-plated steel

Supplied with:
1x bracket

Material:
zinc-plated steel

Supplied with:
1x bracket



Mod.
C114-ST/2

Mounting bracket Mod. N204-ST

For filters and lubricators

Materials: zinc-plated steel bracket and screws

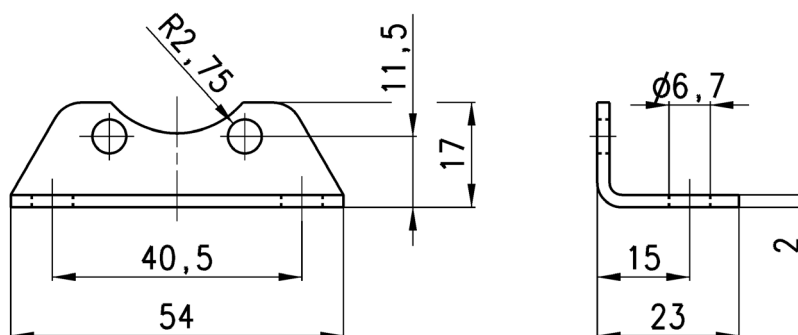


The kit is supplied with:
1x bracket
2x screws M5X6

For filters and lubricators

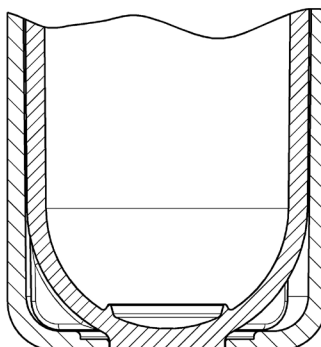
Materials: zinc-plated steel
bracket and screws

The kit is supplied with:
1x bracket
2x screws M5X6



Mod.
N204-ST

ACTIVATED CARBON FILTERS
SERIES N - ACCESSORIES
Closed bowl

 Assembled with Activated carbon filter.


Mod. filter	Closed bowl
N20...-FCA	N2-L71
MC104-FCA	MC1-L71
MC202-FCA	MC2-L71
MC238-FCA	MC2-L71
MX2..-FCA	MX2-L2-P
MX3..-FCA	MX3-L2-P
MD1-FCA..	MD1-FCASP01

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Activated carbon filter

 Assembled with Closed bowl.

Mod. filter	Activated carbon
N20...-FCA	MX1-F11
MC104-FCA	MX1-F11
MC202-FCA	MX2-F11
MC238-FCA	MX2-F11
MX2..-FCA	MX2-F11
MX3..-FCA	MX3-F11
MD1-FCA..*	MD1-F11