



Filter pressure reducer II° stage

FR3B

PRESENTATION:

Stainless steel filter pressure reducer suitable for the use with different types of fluids.

In the standard version the product is designed to operate with pressures up to 50 bar.

The control of the outlet pressure is realized by means of a:

- › diaphragm up to 15 bar;
- › piston for pressure above 15 bar.

Available with automatic condensate drain, semiautomatic, manual or with plug.

USE: Compressed air, gas e liquids

CONNECTIONS: 1/4" ÷ 3/8"

FILTER PRESSURE REDUCER FEATURES:

Inlet pressure	up to 50 bar
Outlet pressure	0,2 ÷ 30 bar
Filtering capacity	5 - 50 µm
Cup capacity	140 cc
Kv nominal	2,99 m ³ /h (UNI 60534-2)
Operating temperature	- 20°C + 60°C
Shutter leakage class	class A (EN 12266-1)
Weight	~1,5 Kg

The product is compliant with PED Directive 2014/68/UE

MATERIALS:

Body, cup and bonnet	AISI 316L
Internal parts	AISI 316L
Filter cartridges	AISI 316L
Shutter spring	AISI 302
Adjusting spring	AISI 302
(not in contact with the fluid)	
O-Ring and shutter gasket	FPM
Piston	AISI 316L
Diaphragm	NBR+PTFE

MAINTENANCE KIT:

KFR3B repair kit available on request.

Kit contains: shutter assembly, O-ring, filter cartridge and diaphragm assembly.



Note

Chemical compatibility fluids/materials, has to be verified at RFQ stage with ODE sales dept.

"ODE" reserves the right to carry out technical and aesthetic modifications without prior notice.

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Model

Connections

N	0	G 1/4 - F
L	0	G 3/8 - F
V	0	1/4 NPT - F
W	0	3/8 NPT - F

Cup + drain | Inlet pressure

3	1	Internal Automatic drain (SAI) Inlet P 16 bar
3	2	Manual drain (SM) Inlet P 30 bar
3	3	Plug, Inlet P 50 bar
2	2	Plug, 80 bar
3	4	Plug, 30 bar

Outlet pressure

D	0	0,8 ÷ 8 bar
E	0	1,5 ÷ 15 bar
A	0	0,2 ÷ 1,5 bar
B	0	0,3 ÷ 3 bar
F	0	3 ÷ 30 bar

Filtering capacity

H	50 µm
A	5 µm Polyethylene
C	5 µm
N	25 µm

Accessories

0	0	-
0	4	Fixed calibration
0	5	Precalibrated
0	6	With pressure gauge
0	8	Degreased use O ₂
1	6	O-Ring FDA compliance

Certifications

R	0	CE
U	0	CE+Atex 2014/34/UE
Y	0	CE+EAC TR CU 032/2013 ⁽¹⁾
V	0	CE+EAC TR CU 012/2011 ⁽¹⁾

⁽¹⁾ version certifiable on request

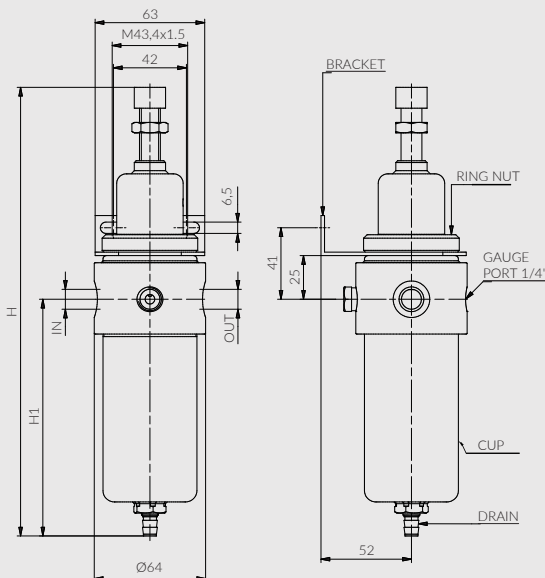
standard versions

versions available on request

DIMENSIONS:

version with connections 1/4" ÷ 3/8"

BRACKET AND RING NUT TO BE ORDERED SEPARATELY



Drain	H mm	H1 mm
Automatic	~ 259	~ 137
Manual	~ 254	~ 132
Plug	~ 246	~ 124

For other versions, please contact ODE Sales Office