

316 Stainless Steel Construction for use in corrosive environments

Coalescing filters remove oil and particles down to 0.01 µm

Metallic parts meet NACE standard MR-01-75*

* National Association of Corrosion Engineers (NACE MR-01-75) defines requirements for sulphide stress cracking resistant materials used in well-head and other corrosive environments.



Technical features

Medium:

Compressed air or neutral gases
Other media on request

Operating pressure:

20 bar (290 psi) max

Air Quality:

Within ISO 8573-1, Class 1 particulates and oil content

Maximum remaining oil content of air leaving the filter:

0.01ppm at 21 °C (70 °F) with an inlet oil concentration of 17 ppm.

Particle removal:

Down to 0,01µm

Typical flow:

see below

Nominal bowl size:

31ml (1 fl. oz.)

Drain connection:

No tube connection

Fluid/Ambient temperature:

-25 ... +79°C (-13 ... +174°F)

Air supply must be dry enough to avoid ice formation at temperatures below +2°C(+35°F)

Materials:

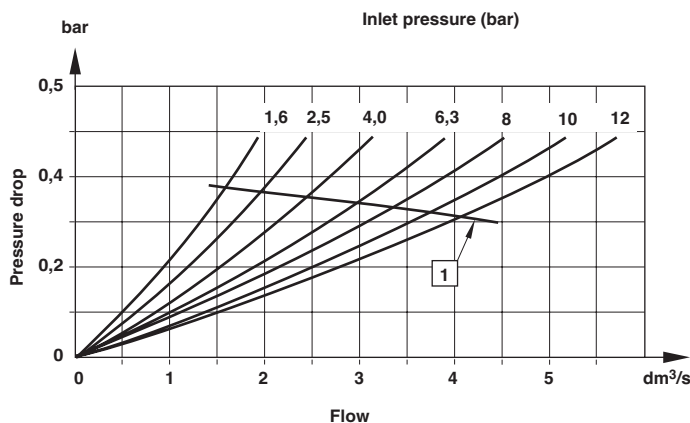
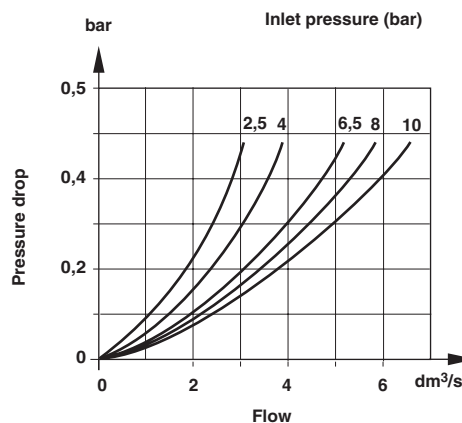
Body, bowl: 316 Stainless Steel
Element: Synthetic Fiber
Polyurethane Foam
Elastomers: FPM
Manual drain: Acetal or 316 Stainless Steel

Technical data, standard models

Symbol	Port size	Operating pressure max (bar)	Flow * Element: dry (dm ³ /s)	Element: saturated (dm ³ /s)	Element	Drain type (material)	Weight (kg)	Model
	1/4 PTF	20	4,2	3,0	Coalescing	Manual (stainless steel)	0,96	F05C-2AN-DM0
	1/4 PTF	20	4,2	3,0	Coalescing	Manual (Acetal)	0,96	F05C-2AN-MM0

* Typical flow with 6,3 bar inlet pressure and 0,35 bar pressure drop

Typical performance characteristics

Element: saturated

Element: dry


1 Maximum flow to maintain stated oil removal performance

Spare part

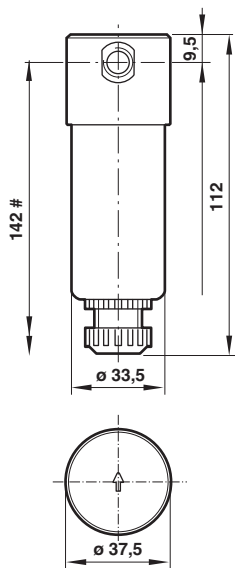
Service kit: (element and seal)



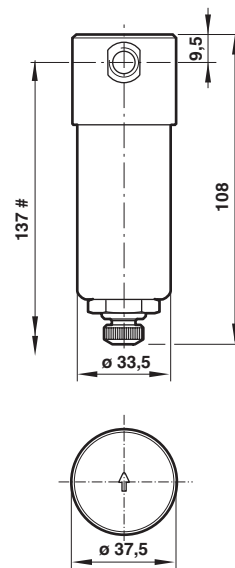
4140-14

Dimensions

Manual drain Acetal



Manual drain Stainless steel



Dimensions shown in mm
Projection/First angle



Minimum clear distance required to remove bowl.

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under »**Technical features**«.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in pneumatic systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.