

Stainless steel construction for use in corrosive environments

Provides high efficiency oil and particle removal

Large filter element area for high flow and minimum pressure drop

Automatic drain is operated by liquid level and also opens upon depressurization

Optional service life indicator turns from green to red when the filter element needs to be replaced

Metallic parts meet NACE Standard MR-01-75*

*National Association of Corrosion Engineers (NACE) MR-01-75 defines requirements for sulphide stress cracking resistant


F22

F22H

Technical data

F22 (general purpose)

Fluid:

Compressed air, neutral gases

NOTE: Contact technical support for use with other media.

Maximum pressure:

250 psig (17 bar)

Operating temperature:

0° to 175°F (-20° to 80°C)*

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

Particle removal:

5 or 25 micron

Flow:

98 scfm (46 dm³/s)

Typical flow with 90 psig inlet pressure and 5 psig pressure drop.

Materials

Body: stainless steel

Bowl: stainless steel

Element: sintered stainless steel

Elastomers: nitrile

F22H (High Flow, coalescing)

Fluid:

Compressed air, Hydrocarbon gas†

Maximum pressure:

250 psig (17 bar)

Operating temperature:

0° to 175°F (-20° to 80°C)**

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

Particle removal:

Down to 0.01 µm

Air quality:

Within ISO 8573-1, Class 1 (particulates) and Class 2 (oil content)

Maximum remaining oil content in outlet air:

0.01 ppm at 70°F (20°C) with an inlet concentration of 12 ppm.

Maximum flow with at 90 psig (6.3 bar) inlet pressure to maintain stated oil removal performance:

75.0 scfm (35.4 dm³/s)

Manual drain connection:

No tube connection

Automatic drain connection:

Will fit 1/4-18 male pipe thread

Automatic drain operating conditions (float operated):

Bowl pressure required to close drain:

Greater than 5 psig (0.3 bar)

Bowl pressure required to open drain:

Less than 3 psig (0.2 bar)

Minimum air flow required to close drain:

2 scfm (1 dm³/s)

Manual operation:

unscrew drain outlet to drain bowl

Nominal bowl size:

8 fluid ounce (0.24 liter)

Materials of construction:

Body: 316 Stainless steel

Bowl: 316 Stainless steel

Manual drain: 316 Stainless steel, Nitrile

Automatic drain: 316 Stainless steel, Nylon, Acetal, Nitrile

Filter element: Stainless steel, synthetic fiber, EPDM, polyester

Elastomers: Nitrile

Bowl sight glass: Pyrex

Bracket: Stainless steel (optional)

Service life indicator (factory option)-

Body: 316 Stainless steel

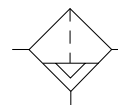
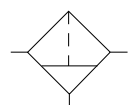
Lens: Transparent nylon

Internal parts: Acetal

Spring: 18-8 Stainless steel

Elastomers: Nitrile

† Confirm compatibility with materials of construction. Use in gas applications must be in a well vented or outdoor area. Products are designed with an allowable leakage and should only be used within the specifications printed on the data sheet or the product label for pressure, temperature, etc. It is the responsibility of the user to apply the product in a safe environment free from potential fire or explosive materials or components. Norgren will not be responsible for any injury or damage caused by the use of the product in an unsafe application.


Automatic Drain

Manual Drain

F22 General purpose filter

Port Size	Filtration	F22 Auto Drain Model No.	F22 Manual Drain Model No.	Indicator assembly
1/2"	5 µm	F22-400-A1DA	F22-400-M1DA	No
1/2"	25 µm	F22-400-A2DA	F22-400-M2DA	No
1/2"	5 µm	F22-402-A1DA	F22-402-M1DA	Yes
1/2"	25 µm	F22-402-A2DA	F22-402-M2DA	Yes

F22 Accessories

Element	Wall mounting bracket	Element	Auto drain service kit*	Manual drain service kit*
				
5 µm	18-001-962	6317-01	F22-100A5	F22-100M5
25 µm	18-001-962	6317-02	F22-100A	F22-100M





Additional F22 Options

Service life indicator		Substitute	F22 - 40★ - ★★D★		Thread	Substitute
With indicator		2			PTF	A
Without indicator		0				
					25 µm	2
					Drain	Substitute
					Automatic 1/4" (Acetal)	A
					Automatic 1/4" (Stainless steel)	T
					Manual	M

F22H High Flow, coalescing filter

Port Size	Element	F22H Auto Drain Model No.	F22H Manual Drain Model No.	Indicator assembly
1/2"	Coalescing	F22H-4AN-TD0	F22H-4AN-MD0	No
1/2"	Coalescing	F22H-4AD-TD0	F22H-4AD-MD0	Yes

F22H Accessories

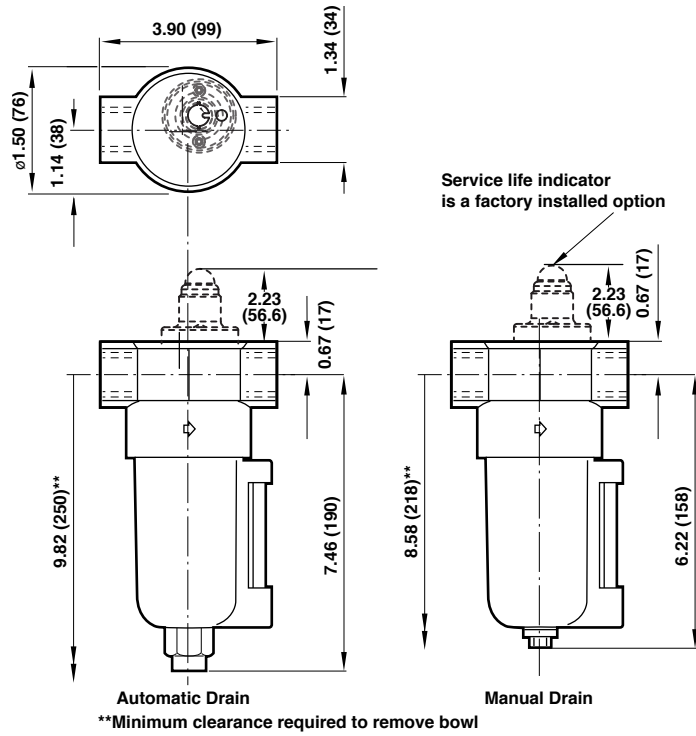
Wall mounting bracket	Element	Auto drain service kit*	Manual drain service kit*
			
18-001-962	5350-26	3000-85	2273-18
18-001-962	5350-26	3000-85	2273-18

Additional F22H Options

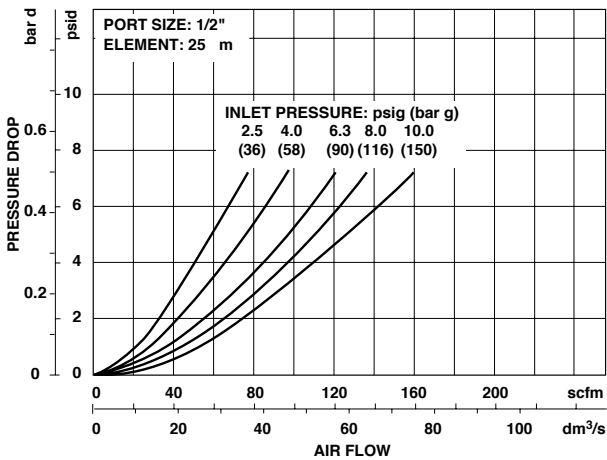
Service life indicator		Substitute	F22H-4A★ - ★D0		Drain	Substitute
With indicator		D			Manual	A
Without indicator		N				

F22

Dimensions in inches (mm)

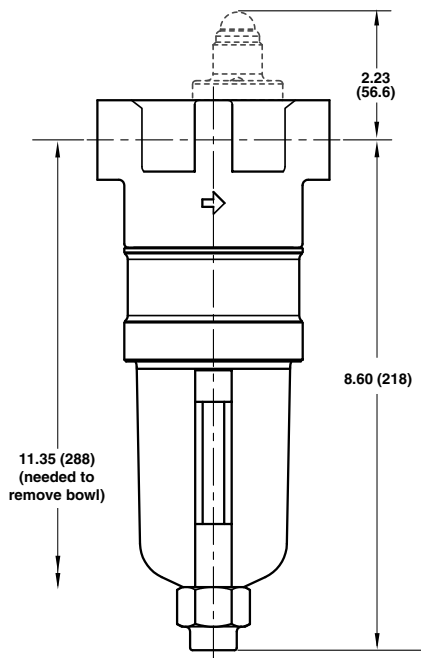
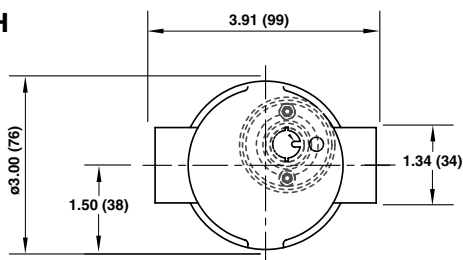


FLOW CHARACTERISTICS

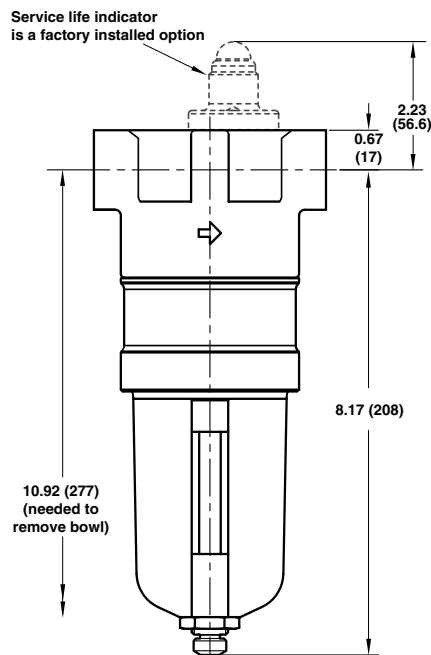


F22H

Dimensions in inches (mm)



Automatic Drain



Manual Drain

