F22

Stainless Steel Filter
1/2 PTF

- **Designed for use in corrosive environments**
- **Metallic parts meet NACE† Standard MR-01-75***
- **Provides effective liquid removal and positive solid filtration**
- **Large filter element area for minimum pressure drop**
- **Automatic Drain is operated by liquid level and also opens upon depressurization**
- **Meets certain requirements of Military Specifications****

* 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.

** Meets certain requirements of MIL-S-901C (Navy) 15 Jan 1963: Military Specifications Shock Test H.I. (High Impact); Shipboard Machinery, Equipment and Systems and MIL-STD-167-1 (Ships) Military Standard Mechanical Vibrations of Shipboard Equipment.

Ordering Information. Model listed has PTF threads, automatic drain and 25 µm element.

Port Size	Model Number	Flow† scfm (dm^3/s)	Weight lbs (kg)
1/2 PTF	F22-405-A2DA	98 (46)	4.18 (1.88)

† Typical flow with 25 µm element at 90 psig (6.3 bar) inlet pressure, and 5 psig (0.35 bar) pressure drop.

Alternative Models

F 2 2 - ★ 0 ★ - ★ ★ D ★

Port Size	Substitute
1/2"	4
Special	6**

Modification	Substitute
1/8" thread auto-drain fitting	0
1/4" thread auto-drain fitting	5
Special	7**

Thread	Substitute
PTF	A
ISO G	D
Special	S**

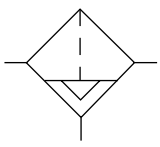
Element	Substitute
5 µm	1
25 µm	2

Drain	Substitute
Automatic	A
Manual	M

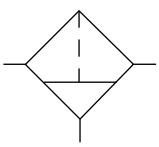
** 3/4″ body (3/4 x 16 UNF) F22-**6**X**7**-XXX**S**

Please contact our technical service for details of non standard models.

ISO Symbols



Automatic Drain



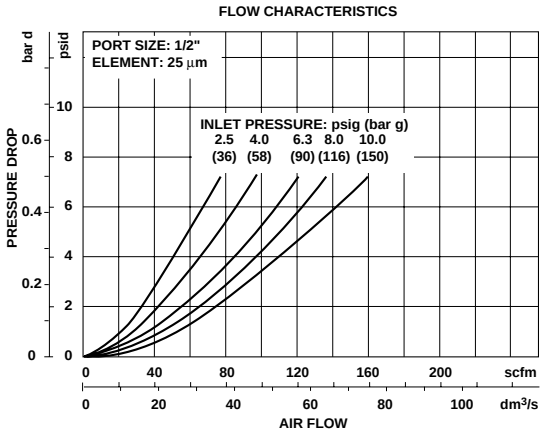
Manual Drain

See Section ALE-24 for Accessories

Technical Data

Fluid: Compressed air
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:
25 µm standard
5 µm optional
Air quality: Within ISO 8573-1, Class 3 and Class 5 (particulates)
Typical flow with 25 µm element at 90 psig (6.3 bar) inlet pressure, and 5 psig (0.35 bar) pressure droop: 98 scfm (46 dm³/s)
Automatic drain connection: Will fit 1/8-27 and 1/8-28 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: Depress pin inside drain outlet to drain bowl
Nominal bowl size: 8 fluid ounce (0.24 liter)
Materials
Body: Stainless steel
Bowl: Stainless steel
Element: Sintered stainless steel
Elastomers: Synthetic rubber

Typical Performance Characteristics

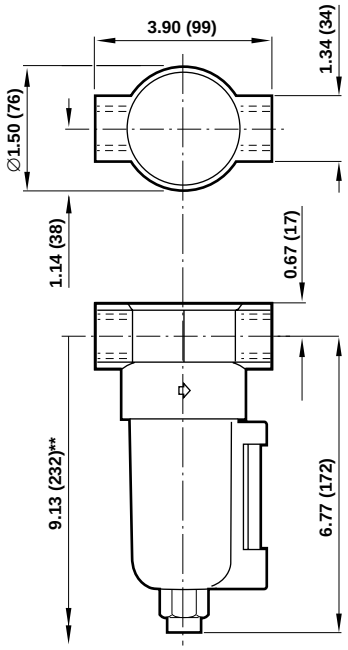


Service Kits

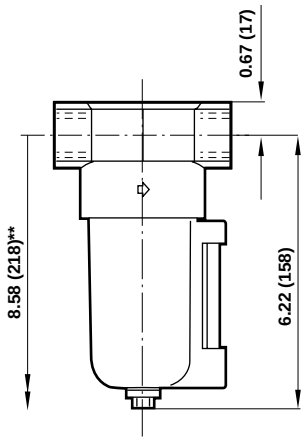
Item	Type	Part number
Service kits	25 µm, automatic drain	F22-100A
	5 µm, automatic drain	F22-100A(5)
	25 µm, manual drain	F22-100M
	5 µm, manual drain	F22-100M(5)
Replacement drains	Automatic	3000-87
	Manual	2273-18
Service kit	Orientable metal bowl	5860-RK

Service kits include o-rings, gaskets, specified filter elements, drain strainer and strainer cap.

All Dimensions in Inches (mm)



Automatic Drain



Manual Drain

**Minimum clearance required to remove bowl