

## Stainless Steel Products

Products for use in offshore,  
instrumentation, and  
compatibility applications.

### Contents

F22 General Purpose Stainless Steel Filter 1/2" Port Size .....	ALE-17-2
R05 Miniature Stainless Steel Regulator 1/4" Port Size . . .	ALE-17-4
R22 Stainless Steel Regulator 1/2" Port Size .....	ALE-17-6
R38 Instrument Stainless Steel Regulator Aluminum Model 1/4" Port Size .....	ALE-17-8
B05 Miniature Stainless Steel Filter/Regulator 1/4" Port Size .....	ALE-17-10
B38 Instrument Stainless Steel Filter/Regulator 1/4" or 1/2" Port Size .....	ALE-17-12
L22 Stainless Steel Oil-Fog Lubricator 1/2" Port Size .....	ALE-17-14



F22



R05



R22



R38



B05



B38



L22

- **Designed for use in corrosive environments**
- **Metallic parts meet NACE<sup>†</sup> 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 <sup>3</sup> /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.

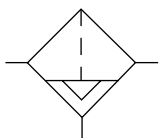
### Alternative Models

Port Size	Substitute	Modification	Substitute	Thread	Substitute	Element	Substitute	Drain	Substitute
1/2"	4	1/8" thread auto-drain fitting	0	PTF	A	5 µm	1	Automatic	A
Special	6**	1/4" thread auto-drain fitting	5	ISO G	D	25 µm	2	Manual	M
		Special	7**	Special	S**				

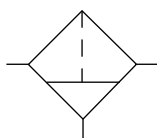
\*\* 3/4" body (3/4 x 16 UNF) F22-6X7-XXXS

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

### ISO Symbols



Automatic Drain



Manual Drain

**See Section ALE-25 for Accessories**



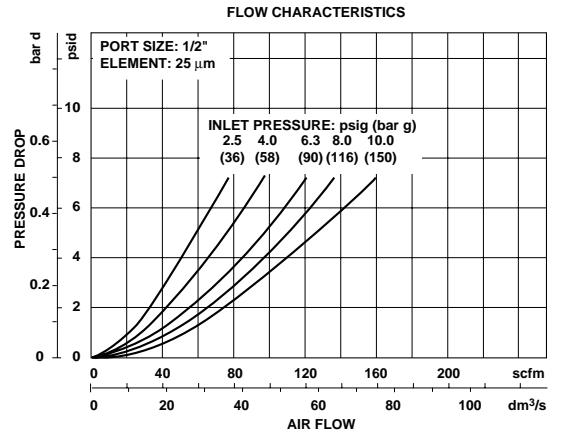
**Technical Data**

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**

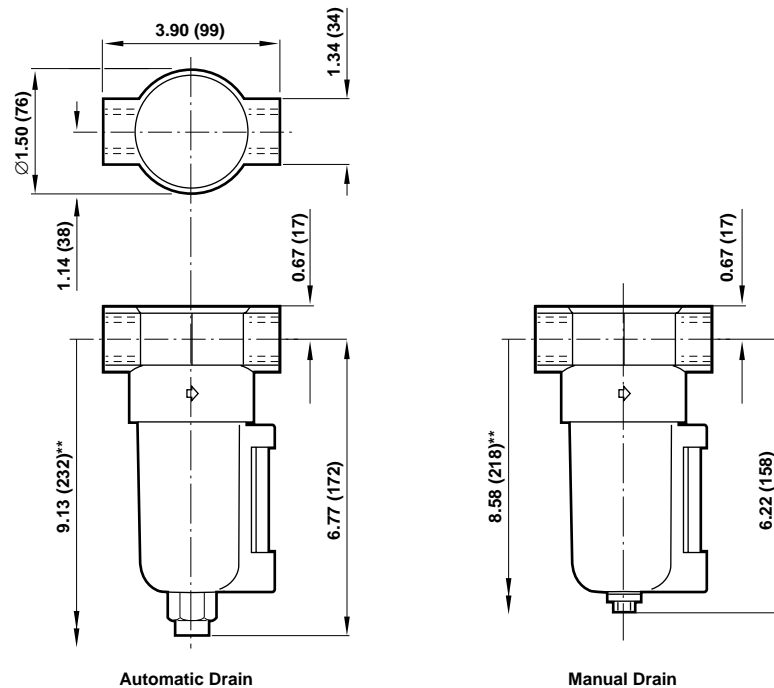


**Service Kits**

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	3000-90
	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)



\*\*Minimum clearance required to remove bowl

**Miniature Stainless Steel Regulator  
1/4" PTF Ports**

- **Designed for use in corrosive environments**
- **Metallic parts meet NACE Standard MR-01-75\***
- **Applications include marine environments, oil and gas production, chemical and food processing, medical analysis**
- **Relieving or non relieving models. Relieving models allow reduction of outlet pressure even when the system is dead-ended**
- **Can be disassembled without the use of tools or removal from the air line**

\* 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.



**Ordering Information.** Model listed is relieving type with 5 to 125 psig (0.3 to 8.5 bar) outlet pressure adjustment range\*\* and PTF threads. A gauge is not included.

Port Size	Model	Flow <sup>†</sup> scfm (dm <sup>3</sup> /s)	Weight lb (kg)
1/4" PTF	R05-200-RNLA	7 (3.3)	0.41 (0.19)

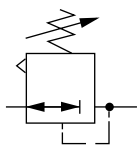
**Alternative Models**
**R 0 5 - 2 0 0 - ★ N ★ A**

Outlet Pressure Adjustment Ranges*	Substitute
5 to 50 psig (0.3 to 3.5 bar)	E
5 to 125 psig (0.3 to 8.5 bar)	L

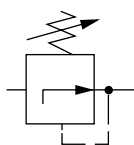
Diaphragm	Substitute
Relieving	R
Non relieving	N

† Typical flow with 100 psig (7 bar) inlet pressure, 90 psig (6.3 bar) set pressure and 15 psig (1 bar) droop from set.

\*\* Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

**ISO Symbols**


Relieving



Non Relieving

**See Section ALE-25 for Accessories**



**Technical Data**

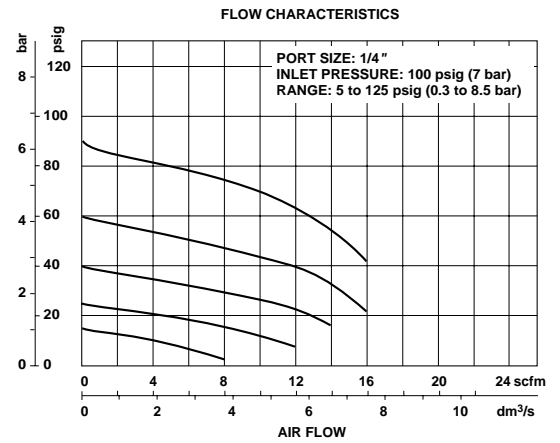
Fluid: Compressed air  
 Maximum pressure: 250 psig (17 bar)  
 Operating temperature: -30° to 150°F (-34° to 66°C) \*  
 \* Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C).  
 Typical flow with 100 psig (7 bar) inlet pressure, 90 psig (6.3 bar) set pressure and a droop of 15 psig (1 bar) from set: 7 scfm (3.3 dm<sup>3</sup>/s)

Gauge ports:  
 1/8 PTF

**Materials**

- Body: 316 stainless steel
- Bonnet: Acetal with stainless steel adjusting screw
- Valve: Stainless steel with fluorocarbon elastomer
- Valve seat: Acetal
- Springs: Stainless steel
- Elastomers: Fluorocarbon

**Typical Performance Characteristics**

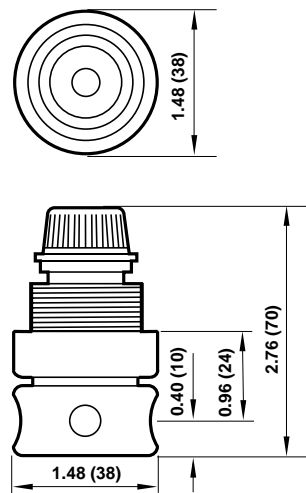


**Service Kits**

Item	Type	Part number
Service kit	Relieving	3407-71
	Non relieving	3407-72

Service kit includes slip ring, diaphragm, valve seat with seal, valve, valve spring.

All Dimensions in Inches (mm)



Panel mounting hole diameter: 1.19" (30 mm)  
 Panel thickness: .25" (6 mm)

**R22 Stainless Steel Regulator  
1/2 PTF**

- Designed for use in corrosive environments
- Metallic parts meet NACE Standard MR-01-75\*
- Compact instrument units with high performance
- Stable regulation and temperature compensation
- Excellent flow and regulation characteristics

\* 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.



**Ordering Information.** Models listed have T-bar adjustment, relieving diaphragm, 5 to 150 psig (0.4 to 10 bar) outlet pressure adjustment range and PTF threads. A gauge is not included.

Port Size	Model Number	Flow** scfm (dm <sup>3</sup> /s)	Weight lbs (kg)
1/2 PTF	R22-405-RNMA	106 (50)	3.35 (1.52)

\*\* Typical flow with 150 psig (10 bar) inlet pressure, 90 psig (6.3) set pressure, and a 15 psig (1 bar) drop from set.

**Alternative Models**

R 2 2 - ★ ★ ★ - ★ ★ ★ ★

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

Option	Substitute
Standard	0
Oxygen degreased	1

Modification	Substitute
T-bar adjustment	1
Plastic handwheel	5
Viton	6
Special**	7

Threads	Substitute
PTF	A
ISO G	D
Special**	S

Outlet Pressure Adjustment Ranges*	Substitute
5 to 150 psig (0.3 to 10 bar)	M
5 to 60 psig (0.3 to 4 bar)	F
10 to 250 psig (0.7 to 17 bar)	S

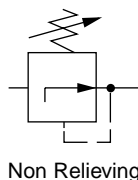
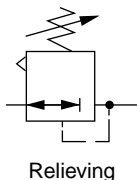
Gauges	Substitute
Without	N

Diaphragm	Substitute
Relieving	R
Non relieving	N

\* Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

\*\* 3/4" body (3/4 x 16 UNF) R22-6XZ-XXXS

Please contact our technical service for details of non standard models including maximum pressure stop, etc.

**ISO Symbols**


**See Section ALE-25 for Accessories**



## Technical Data

Fluid: Compressed air

Maximum pressure: 290 psig (20 bar)

Operating temperature: -4° to 175°F (-20° to 80°C) \*

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

Typical flow with 150 psig (10 bar) inlet pressure, 90 psig (6.3 bar) set pressure and a droop of 15 psig (1 bar) from set: 106 scfm (50 dm<sup>3</sup>/s)

Gauge ports:

1/4 PTF

Materials

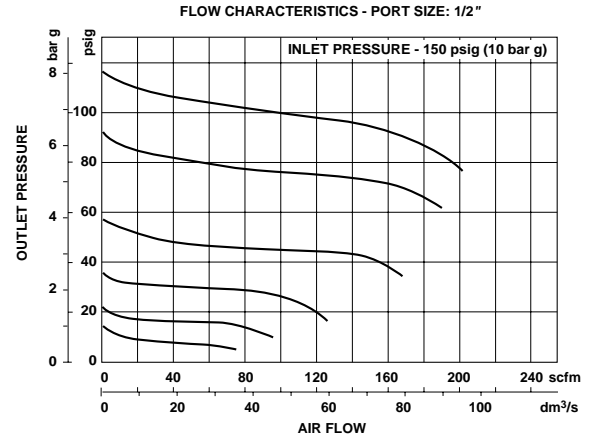
Body: Stainless steel

Bonnet: Stainless steel

Adjusting screw: Stainless steel

Elastomers: Synthetic rubber

## Typical Performance Characteristics

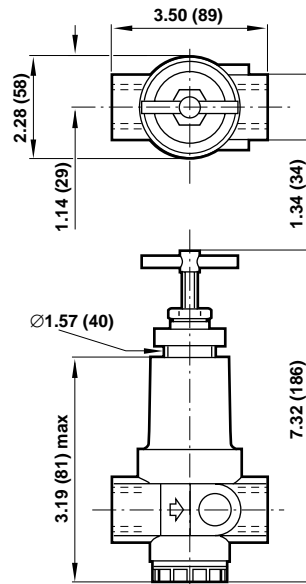


## Standard Service Kits

Item	Type	Part number
30 psi (2 bar)	Relieving	R22-100R
	Non relieving	R22-100NR
60 psi, 105 psi (4 bar, 7 bar)	Relieving	R22-101R
	Non relieving	R22-101NR
150 psi (10 bar)	Relieving	R22-102R
	Non relieving	R22-102NR

Service kits includes diaphragm assembly, o-ring, valve, valve spring.

All Dimensions in Inches (mm)



Panel mounting hole diameter: 1.65" (42 mm)

Maximum Panel thickness: 0.37" (9.5 mm)

**Stainless Steel Instrument Regulator  
1/4 NPT**

- Compact instrument units with high performance
- Stable regulation with temperature compensation
- Excellent flow and regulation characteristics
- Panel Mounting facility
- Designed for use in corrosive environments
- Metallic parts meet NACE Standard MR-01-75\*
- Applications include marine environments, oil and gas production, chemical and food processing, medical analysis
- Relieving or non relieving models. Relieving models allow reduction of outlet pressure even when the system is dead-ended



\* 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.

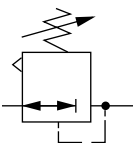
**Ordering Information.** Models listed are relieving type with 0.6 to 30 psig (0.04 to 2 bar) outlet pressure adjustment range \*\*, and PTF threads. A gauge is not included.

Port Size	Model Number	Flow <sup>†</sup> scfm (dm <sup>3</sup> /s)	Weight lbs (kg)
1/4" PTF	R38-240-RNCA	17 (8)	1.56 (0.71)

\*\* Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

† Typical flow with 100 psig (7 bar) inlet pressure, 15 psig (1 bar) set pressure and 1 psig (0.05 bar) droop from set.

R 3 8 - ★ ★ ★ - ★ ★ ★ ★		Threads	Substitute
Port Size	Substitute	PTF	A
1/4" PTF	2	ISO Rc taper	B
Materials	Substitute	ISO G parallel	D
Stainless Steel, nitrile elastomers	4	API.LP.INT	K
Stainless Steel, Viton elastomers	5	Outlet Pressure Adjustment Ranges*	Substitute
Stainless Steel, fluorosilicon elastomers	6	0.6 to 30 psig (0.04 to 2 bar)	C
Mounting Option	Substitute	1 to 60 psig (0.07 to 4 bar)	F
Without	0	3.6 to 100 psig (0.25 to 7 bar)	K
With bracket and nut	1	7.2 to 150 psig (0.50 to 10 bar)	M
With panel nut only	2	Gauges	Substitute
With handwheel and nut	3	Without	N
With handwheel, bracket and nut	4	Diaphragm	Substitute
With handwheel only	5	Relieving	R
		Non relieving	N

**ISO Symbol**


**See Section ALE-25 for Accessories**



**Technical Data**

Fluid: Compressed air  
 Maximum pressure: 451 psig (31 bar)  
 Operating temperature: -40° to 175°F (-40° to 80°C) \*

\* Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C).  
 Typical flow at 100 psig (7 bar) inlet pressure, 15 psig (1 bar) set pressure and a drop of 1 psig (0.07 bar) from set: 17 scfm (8 dm<sup>3</sup>/s)  
 Typical relief differential at 30 psig (2 bar) outlet pressure: 2.3 psig (0.16 bar)  
 Maximum bleed flow at 30 psig (2 bar) outlet pressure (relieving types only): 0.003 scfm (1.5 cm<sup>3</sup>/s)†

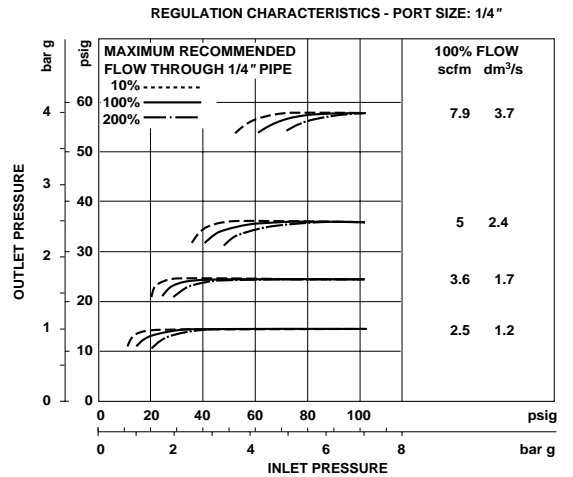
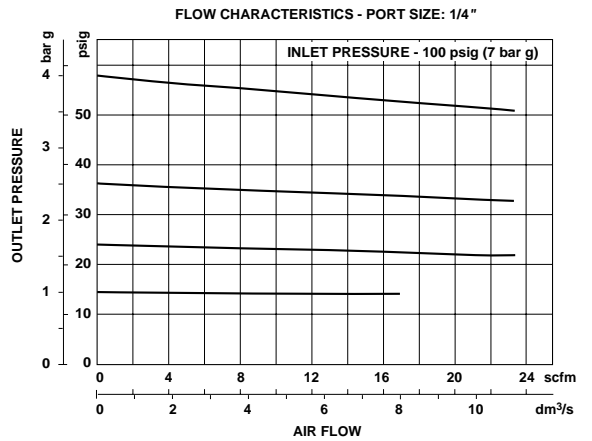
Gauge ports: 1/4" PTF  
 Relief Port: 1/8" PTF

**Materials**

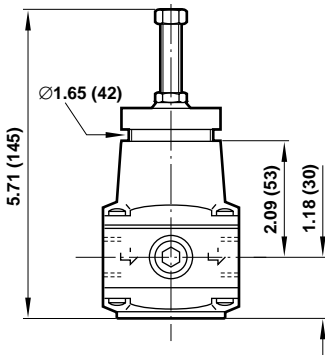
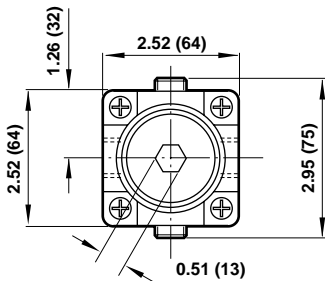
- Body: Stainless steel
- Bonnet: Stainless steel
- Adjusting screw: Stainless steel
- Elastomeric materials: Synthetic rubber

† Maximum bleed rate occurs under dead-end (no flow) conditions.

**Typical Performance Characteristics**



All Dimensions in Inches (mm)



Panel mounting hole diameter: 1.65" (42 mm)  
 Maximum panel thickness: 0.24" (6 mm)

**Service Kits**

Item	Type	Part number
30 psig (2 bar) range	Relieving	R38-100-R
	Non relieving	R38-100-NR
60 & 100 psig (4 & 7 bar) range	Relieving	R38-101-R
	Non relieving	R38-101-NR

Service kits includes diaphragm assembly, o-ring, valve, valve spring and 8 pan head screws.

**Miniature Stainless Steel Filter/Regulator  
1/4 PTF Ports**

- **Designed to filter and regulate compressed air in corrosive environments**
- **Metallic parts meet NACE Standard MR-01-75\***
- **Applications include marine environments, oil and gas production, chemical and food processing, medical analysis**
- **Relieving or non relieving models. Relieving models allow reduction of outlet pressure even when the system is dead-ended**
- **Can be disassembled without the use of tools or removal from the air line**



\* 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.

**Ordering Information.** Model listed includes a relieving diaphragm, manual drain, 40 µm element, 5 to 125 psig (0.3 to 8.5 bar) outlet pressure adjustment range\*\* and PTF threads. A gauge is not included.

Port Size	Model	Flow <sup>†</sup> scfm (dm <sup>3</sup> /s)	Weight lb (kg)
1/4 PTF	B05-233-M2LA	7 (3.3)	0.99 (0.45)

\*\* Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.  
<sup>†</sup> Typical flow with 100 psig (7 bar) inlet pressure, 90 psig (6.3 bar) set pressure and 15 psig (1 bar) droop from set.

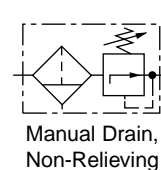
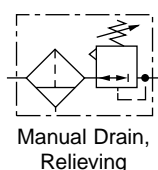
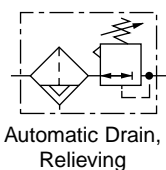
**Alternative Models**

B 0 5 - ★ ★ ★ - ★ ★ ★ ★

Port Size	Substitute
1/4"	2
Diaphragm	Substitute
Relieving	33
Non relieving	35
Drain	Substitute
Automatic	A
Manual	M

Threads	Substitute
PTF	A
Outlet Pressure Adjustment Ranges*	Substitute
5 to 50 psig (0.3 to 3.5 bar)	E
5 to 125 psig (0.3 to 8.5 bar)	L
Element	Substitute
5 µm	1
40 µm	2

**ISO Symbols**



**See Section ALE-25 for Accessories**



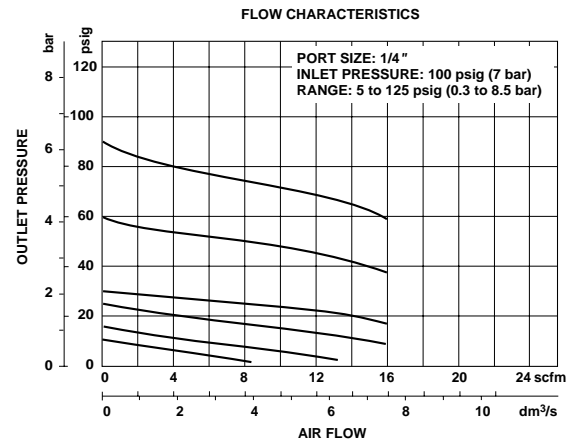
**Technical Data**

Fluid: Compressed air  
 Maximum pressure: 250 psig (17 bar)  
 Operating temperature: -30° to 150°F (-34° to 66°C) \*  
 \* Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C)  
 Particle removal: 5 µm or 40 µm filter element  
 Air quality: Within ISO 8573-1, Class 3 and Class 5 (particulates)  
 Typical flow with 100 psig (7 bar) inlet pressure, 90 psig (6.3 bar) set pressure and a droop of 15 psig (1 bar) from set: 7 scfm (3.3 dm³/s)  
 Nominal bowl size: 1 fluid ounce (31 ml)  
 Gauge ports: 1/8 PTF  
 Automatic drain connection: Will fit 1/8-27 and 1/8-28 pipe thread.  
 Automatic drain operation: Spitter type drain operates momentarily when a rapid change in air flow occurs or when the supply pressure is reduced.

**Materials**

Body and bowl: 316 stainless steel  
 Bonnet: Acetal with stainless steel adjusting screw  
 Valve: Stainless steel with fluorocarbon elastomer  
 Valve seat: Acetal  
 Springs: Stainless steel  
 Drain: Acetal  
 Element: Sintered polypropylene  
 Elastomers: Fluorocarbon

**Typical Performance Characteristics**

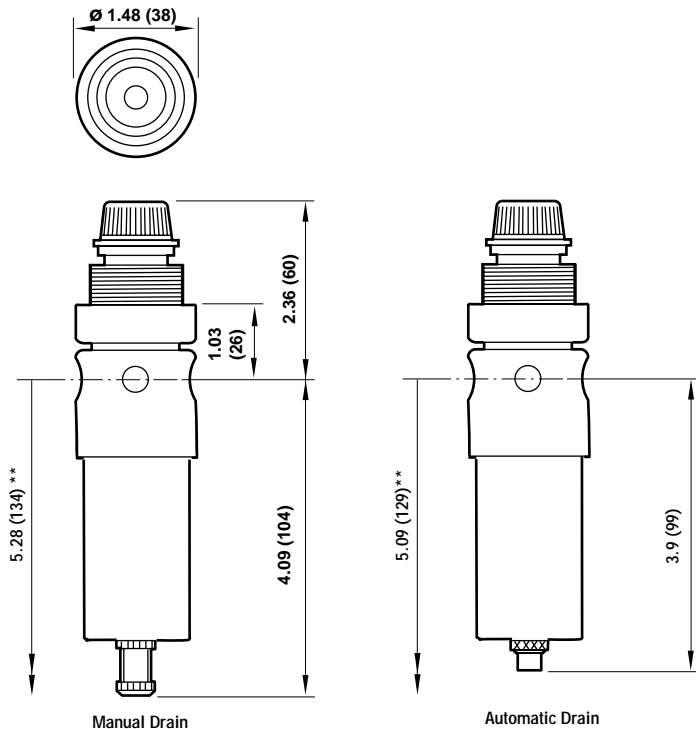


**Service Kits**

Item	Type	Part number
Service kit	Relieving	3820-08
	Non relieving	3820-09
Drain	Manual	684-51

Service kit includes diaphragm, seals, o-rings, and valve.

All Dimensions in Inches (mm)



\*\* Minimum clearance required to remove bowl.  
 Panel mounting hole diameter: 1.19" (30 mm)  
 Panel thickness: .25" (6 mm)

**Filter/Regulator Stainless Steel Model  
1/4 or 1/2" PTF**

- Compact instrument units with high performance
- Stable regulation with temperature compensation
- Excellent flow and regulation characteristics
- Panel Mounting facility
- Designed for use in corrosive environments
- Metallic parts meet NACE Standard MR-01-75\*
- Applications include marine environments, oil and gas production, chemical and food processing, medical analysis
- Relieving or non relieving models. Relieving models allow reduction of outlet pressure even when the system is dead-ended



\* 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.

**Ordering Information.** Models listed are relieving type with manual drain, 5µm element, and PTF threads. A gauge is not included.

Port Size	Model Number	Outlet pressure range psig (bar)	Flow** scfm (dm <sup>3</sup> /s)	Weight kg (lbs)
1/4" PTF	B38-240-B1KA	4 to 100 (0.3 to 7)	15 (7)	3.11 (1.4)
1/2" PTF	B38-440-M1LA	4 to 125 (0.3 to 9)	106 (50)	4.75 (2.2)

\*\* Typical flow with 175 psig (12 bar) inlet pressure, 115 psig (8 bar) set pressure and 15 psig (1 bar) droop from set.

**Alternative Models**

Port Size	Substitute
1/4" PTF	2
1/2" PTF	4

Materials	Substitute
Stainless steel, nitrile elastomers	4
Stainless steel, Viton elastomers	5 †

Diaphragm	Substitute
Relieving	0
Non relieving	1
Relieving, bracket and nut	2
Non relieving, bracket and nut	3
Relieving with nut	4
Non relieving with nut	5
Relieving with handwheel and nut	6
Non relieving with handwheel and nut	7
Relieving with handwheel, bracket and nut	8
Non relieving with handwheel, bracket and nut	9

**B 3 8** - ★ ★ ★ - ★ ★ ★ ★

Threads	Substitute
PTF	A
ISO Rc taper	B
ISO G parallel	D
API.LP.INT	K

Outlet Pressure Adjustment Ranges*	Substitute
0.6 to 30 psig (0.04 to 2 bar)	C
1 to 60 psig (0.07 to 4 bar)	F
3.6 to 100 psig (0.25 to 7 bar)	K †
4 to 125 psig (0.3 to 9 bar)	L ††
7.2 to 150 psig (0.5 to 10 bar)	M †
10 to 250 psig (0.7 to 17 bar)	S ††

Element	Substitute
5 µm	1
25 µm	2

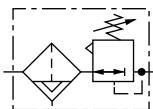
Bowl/Drain	Substitute
Long bowl with automatic drain	A
Short bowl with manual drain	B
Long bowl with manual drain	M

\* Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

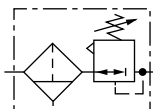
† 1/4" ported units only.  
†† 1/2" ported units only.

**See Section ALE-25 for Accessories**

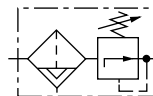
**ISO Symbols**



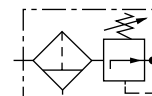
Automatic Drain, Relieving



Manual Drain, Relieving



Automatic Drain, Non Relieving



Manual Drain, Non Relieving



## Technical Data

Fluid: Compressed air

Maximum pressure

Manual drain: 450 psig (31 bar)

Automatic drain: 250 psig (17 bar)

Operating temperature: -40° to 175°F (-40° to 80°C) \*

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

Particle removal: 5 µm or 25 µm filter element

Air quality: Within ISO 8573-1, Class 3 and Class 5 (particulates)

Typical flow with 175 psig (12 bar) inlet pressure, 115 psig (8 bar) set pressure and a droop of 15 psig (1.0 bar) from set

1/4": 15 scfm (7 dm³/s)

1/2": 106 scfm (50 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)

Nominal bowl size

Short bowl with manual drain: 25 ml (1 fluid ounce)

Long bowl with manual drain: 3 fluid ounce (90 ml)

Long bowl with automatic drain: 1 fluid ounce (25 ml)

Gauge ports:

1/4" PTF

Relief port:

1/8" PTF

Materials (standard option)

Body: Stainless steel

Bonnet: Stainless steel

Bowl: Stainless steel

Adjusting screw: Stainless steel

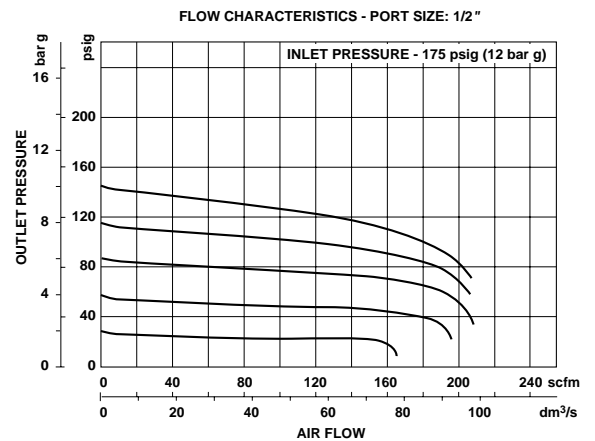
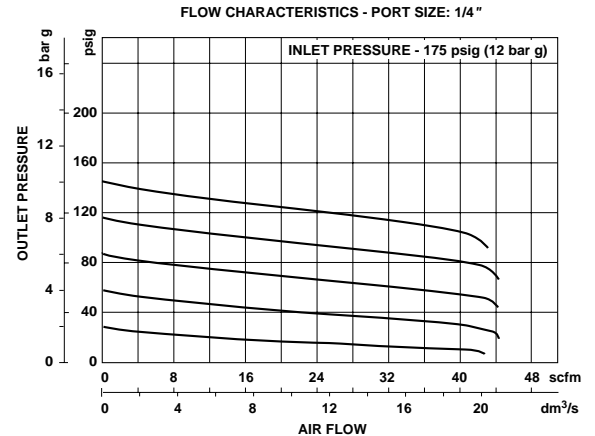
Elements

5 µm & 25 µm: High density polyethylene

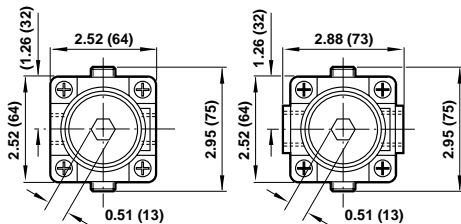
1/4" only 5 µm: Ceramic pyrolyth

Elastomeric materials: Synthetic rubber

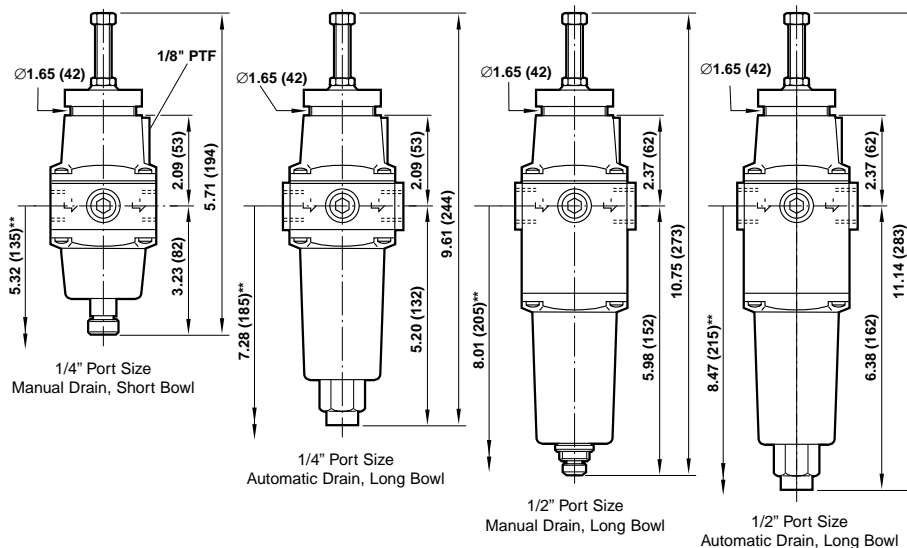
## Typical Performance Characteristics



All Dimensions in Inches (mm)



Panel mounting hole diameter: 1.65" (42 mm)  
Maximum panel thickness: 0.24" (6 mm)



\*\* Minimum clearance required to remove bowl.

## Service Kits (standard option)

### 1/4" Filter

Item	Part number
5 µm	B38-100S (5)
25 µm	B38-100S (25)

### 1/2" Filter

Item	Part number
5 µm	2787-43
25 µm	2787-44

Filter service kits include element, seals and screws.

## Automatic Drain Assembly

Item	Part number
Automatic Drain Assembly	3000-90

## 1/4" Regulator

Item	Type	Part number
30 psig spring	Relieving	R38-100R
	Non relieving	R38-100NR
60 & 100 psig spring	Relieving	R38-101R
	Non relieving	R38-101NR
150 psig spring	Relieving	R38-102R
	Non relieving	R38-102NR

## 1/2" Regulator

Item	Type	Part number
All available spring ranges	Relieving	2787-41
	Non relieving	2787-42

Regulator service kits include diaphragm assembly, o-ring, valve, valve spring and 8 pan head screws.

**L22 Stainless Steel Oil-Fog Lubricator  
1/2 PTF**

- **Metallic parts meet NACE Standard MR-01-75\***
- **Low flow start point**
- **Built-in flow sensor gives almost constant oil/air ratio over a wide range of flows**
- **Can be filled under pressure**
- **Simple and accurate drip rate adjustment**
- **Ideal for general lubrication applications**
- **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.** Models listed are oil-fog units with closed bowl (no drain) and PTF threads.

Type	Model Number	Flow <sup>†</sup> scfm (dm <sup>3</sup> /s)	Weight lbs (kg)
Oil-Fog	L22-405-OP8A	102 scfm (48 dm <sup>3</sup> /s)	4.29 (1.93)

†Typical flow with 90 psig (6.3 bar) inlet pressure and 7 psig (0.5 bar) pressure drop.

**Alternative Models**

L 2 2 - ★ 0 ★ - O P ★ ★

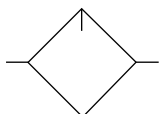
Port Size	Substitute
1/2"	4
Special	6**

Modification	Substitute
Closed bowl	0
Plugged closed bowl	5
Special	7*

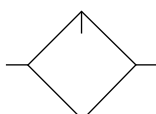
Thread	Substitute
PTF	A
ISO G	D
Special	S*

Bowl	Substitute
Closed bowl	8
Manual drain	D

\*\* 3/4" body (3/4 x 16 UNF) L22-6X7-OPXS

**ISO Symbols**


No Drain



With Drain

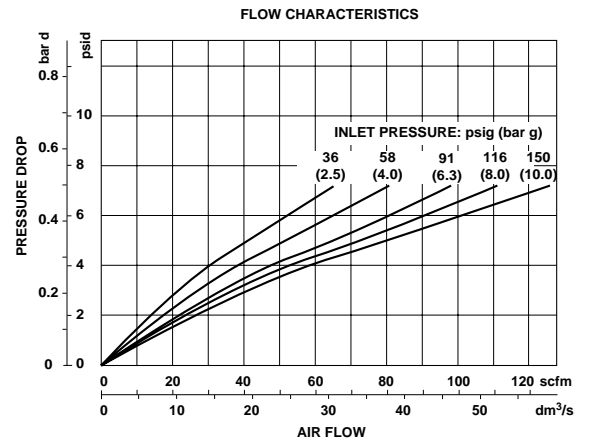
**See Section ALE-25 for Accessories**



**Technical Data**

Fluid: Compressed air  
 Maximum pressure: 250 psig (17 bar)  
 Operating temperature: -4° to 175°F (-20° to 80°C)\*  
 \* Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C ).  
 Start point (i.e. minimum flow required for lubricator operation) at 90 psig (6.3 bar) inlet pressure:  
 3.5 scfm (1.7 dm³/s)  
 Typical flow with 90 psig (6.3 bar) inlet pressure and 7 psig (0.5 bar) pressure drop:  
 102 scfm (48 dm³/s)  
 Nominal bowl size:  
 7 fluid ounce (0.2 liter)  
 Manual drain connection: Will fit 1/8-27 and 1/8-28 pipe thread  
 Recommended lubricants: See Section ALE-29.  
 Materials:  
 Body: Stainless steel  
 Bowl: Stainless steel  
 Elastomers: Synthetic rubber

**Typical Performance Characteristics**

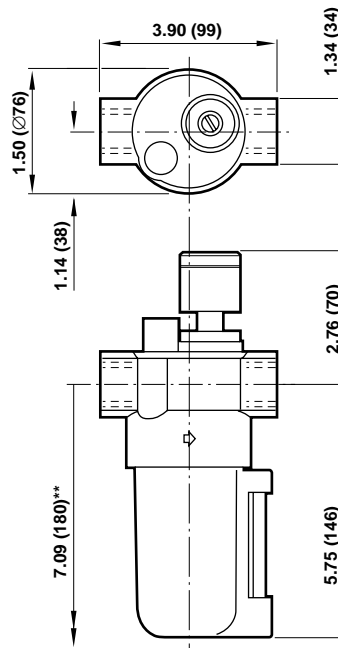


**Service Kits**

Item	Part number
Service kit	L22-100A

Service kits includes all seals, check valve ball and spring, sight dome and filter plug assemblies.

All Dimensions in Inches (mm)



\*\* Minimum clearance required to remove bowl.