

General Purpose Filters

Compressed air, general purpose filters are available in modular or inline models, in port sizes from 1/8" to 2".

F07 Miniature General Purpose Filter 1/8" and 1/4" PortsALE-1-2
F72G Excelon General Purpose Filter 1/4" and 3/8" PortsALE-1-4
F73G Excelon General Purpose Filter 1/4" to 1/2" PortsALE-1-6
F74G Excelon General Purpose Filter 1/4" to 3/4" PortsALE-1-8
F64G Olympian Plus General Purpose Filter 1/4" to 3/4" Ports	...ALE-1-10
F68E/G Olympian Plus General Purpose Filter 3/4" to 1-1/2" Ports	ALE-1-12
F17 General Purpose Filter 3/4" to 1-1/2" PortsALE-1-14
F18 General Purpose Filter 1-1/2" and 2" PortsALE-1-16



F07



F72G



F73G



F74G



F64G



F68



F17



F18

**Miniature Series 07 General Purpose Filter
1/8" and 1/4" Port Sizes**

- Compact design
- Protects air operated devices by removing liquid and solid contaminants
- Screw-on bowl reduces maintenance time
- Can be disassembled without the use of tools or removal from the air line



Ordering Information. Models listed include PTF threads, automatic drain, transparent bowl and 5 μm element.

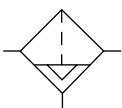
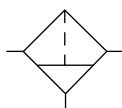
Port Size	Model Numbers	Flow scfm (dm ³ /s) *	Weight lbs (kg)
1/8"	F07-100-A1TA	19 (9)	0.28 (0.13)
1/4"	F07-200-A1TA	24 (11.5)	0.28 (0.13)

* Approximate flow at 90 psig (6.3 bar) inlet pressure and 5 psig (0.35 bar) pressure drop.

Alternative Models

Port Size		Option		Threads		Bowl		Element		Drain	
Port Size	Substitute	Option	Substitute	Threads	Substitute	Bowl	Substitute	Element	Substitute	Drain	Substitute
1/8"	1	Not applicable	0	PTF	A	Transparent	T	5 μm	1	Automatic	A
1/4"	2	Not applicable	0	ISO Rc taper	B	Metal	M	40 μm	3	Manual	M
				ISO G parallel	G						

F 0 7 - ★ ★ ★ - ★ ★ ★ ★

ISO Symbols

Auto Drain

Manual Drain

See Section ALE-25 for Accessories



Technical Data

Fluid: Compressed air

Maximum pressure:

Transparent bowl: 150 psig (10 bar)

Metal bowl: 250 psig (17 bar)

Operating temperature:*

Transparent bowl: -30° to 125°F (-34° to 50°C)

Metal bowl: -30° to 175°F (-34° 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 40 µm filter element

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

Typical flow at 90 psig (6.3 bar) inlet pressure at 5 psig (0.35 bar) pressure drop:

1/8" Ports, 5 µm element: 19 scfm (9 dm³/s)

1/4" Ports, 5 µm element: 24 scfm (11.5 dm³/s)

Nominal bowl size: 1 fluid ounce (31 ml)

Drain connection: 1/8" 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: Zinc

Bowl

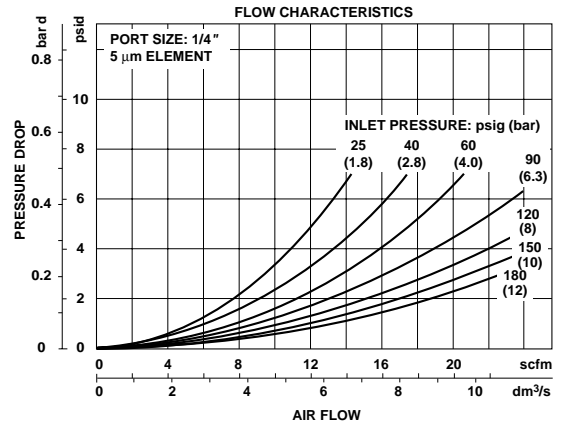
Transparent: Polycarbonate

Metal: Zinc (without sight glass)

Element: Sintered polypropylene

Elastomers: Neoprene & nitrile

Typical Performance Characteristics

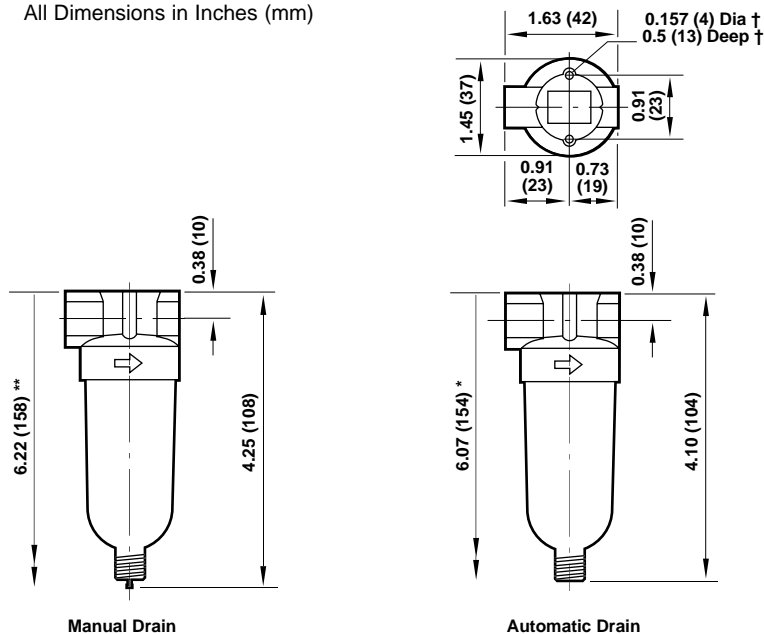


Service Kits

Item	Type	Part number
Service kit	5 µm element	3652-17
	40 µm element	3652-18
Replacement drains	Manual	773-03
	Automatic	3654-02

Service kit includes element, element gasket, and bowl o-ring.

All Dimensions in Inches (mm)



** Minimum clearance to remove bowl.
† Mounting holes.

**Excelon 72 General Purpose Filter
1/4" and 3/8" Port Sizes**

- Excelon design allows in-line or modular installation
- High efficiency water and particle removal
- Quick release bayonet bowl
- Highly visible, prismatic liquid level indicator lens on metal bowls
- Optional service indicator turns from green to red when the filter element needs to be replaced
- Optional electrical service indicator also available
- Modular installations with Excelon 72, 73, and 74 series can be made to suit particular applications



Ordering Information. Models listed include PTF threads, automatic drain, long transparent bowl without guard, 40 µm element. Models do not include the service life indicator.

Port Size	Model	Flow [†] scfm (dm ³ /s)	Weight lb (kg)
1/4"	F72G-2AN-AL3	55 (26)	1.15 (0.52)
3/8"	F72G-3AN-AL3	55 (26)	1.15 (0.52)

† Typical flow with a 40µm element at 90 psig (6.3 bar) inlet pressure and 5 psig (0.35 bar) pressure drop.

Alternative Models

F 7 2 G - ★ ★ ★ - ★ ★ ★

Port Size	Substitute
1/4"	2
3/8"	3

Threads	Substitute
PTF	A
ISO Rc taper	B
ISO G parallel	G

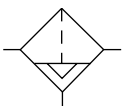
Service Life Indicator	Substitute
With (visual)	D
With (electrical)	E
Without	N

Element	Substitute
5 µm	1
25 µm	2
40 µm	3

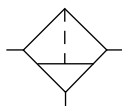
Bowl	Substitute
Short metal with liquid level indicator	D
Long metal with liquid level indicator	E
Short transparent without guard	T
Long transparent without guard	L
Long transparent with guard	W

Drain	Substitute
1/4 turn manual	Q
Semi automatic	S
Auto drain*	A

* Supplied in long bowl options only

ISO Symbols


Auto Drain



Manual Drain

See Section ALE-25 for Accessories



Technical Data

Fluid: Compressed air

Maximum pressure:

Transparent bowl: 150 psig (10 bar)

Metal bowl:

Manual or semi automatic drain: 250 psig (17 bar)

Automatic drain: 150 psig (10 bar)

Operating temperature*:

Transparent bowl: -30° to 125°F (-34° to 50°C)

Metal bowl: -30° to 150°F (-34° to 65°C)

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

Particle removal: 5 µm, 25 µm or 40 µm. Within ISO 8573-1, Class 3 and Class 5

Typical flow at 90 psig (6.3 bar) inlet pressure and 5 psig (0.35 bar) pressure drop:

5 µm element: 47 scfm (22 dm³/s)

40 µm element: 55 scfm (26 dm³/s)

Manual drain connection: Will fit 1/8-27 and 1/8-28 pipe thread.

Semi automatic drain connection: Push on 5/16" (8 mm) ID tube

Semi automatic drain operating conditions (pressure operated):

Bowl pressure required to close drain: Greater than 1.5 psig (0.1 bar)

Bowl pressure required to open drain: Less than 1.5 psig (0.1 bar)

Minimum air flow required to close drain: 1 scfm (0.5 dm³/s)

Manual operation: Lift stem to drain bowl

Automatic drain connection: Will fit 1/8-27 and 1/8-28 pipe thread. - Flexible tube with 3/16" (5mm) minimum I.D. can be connected to the automatic drain. Drain may fail to operate if the tube I.D. is less than 3/16" (5mm). Avoid restrictions in the tube.

Automatic drain operating conditions (float operated):

Bowl pressure required to close drain: Greater than 5 psig (0.35 bar)

Bowl pressure required to open drain: Less than 3 psig (0.2 bar)

Minimum air flow required to close drain: 0.2 scfm (0.1 dm³/s)

Manual operation: Depress pin inside drain outlet to drain bowl

Nominal bowl size:

Short bowl: 1.9 fluid ounce (56 ml)

Long bowl: 2.2 fluid ounce (65 ml)

Materials

Body: Zinc

Bowl

Transparent: Polycarbonate

Guard for transparent bowl: Zinc

Metal: Zinc

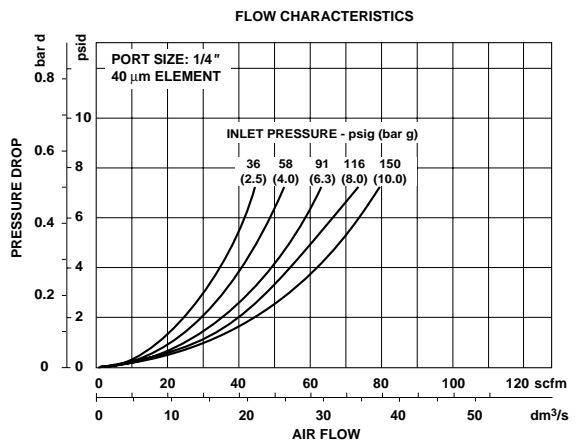
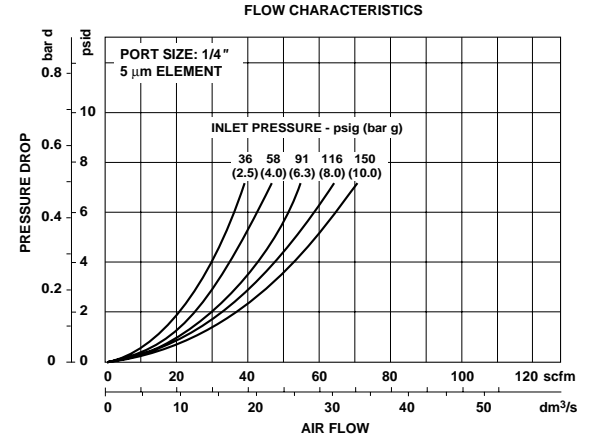
Metal bowl liquid level indicator lens:

Transparent nylon

Element: Sintered polypropylene

Elastomers: Neoprene and nitrile

Typical Performance Characteristics

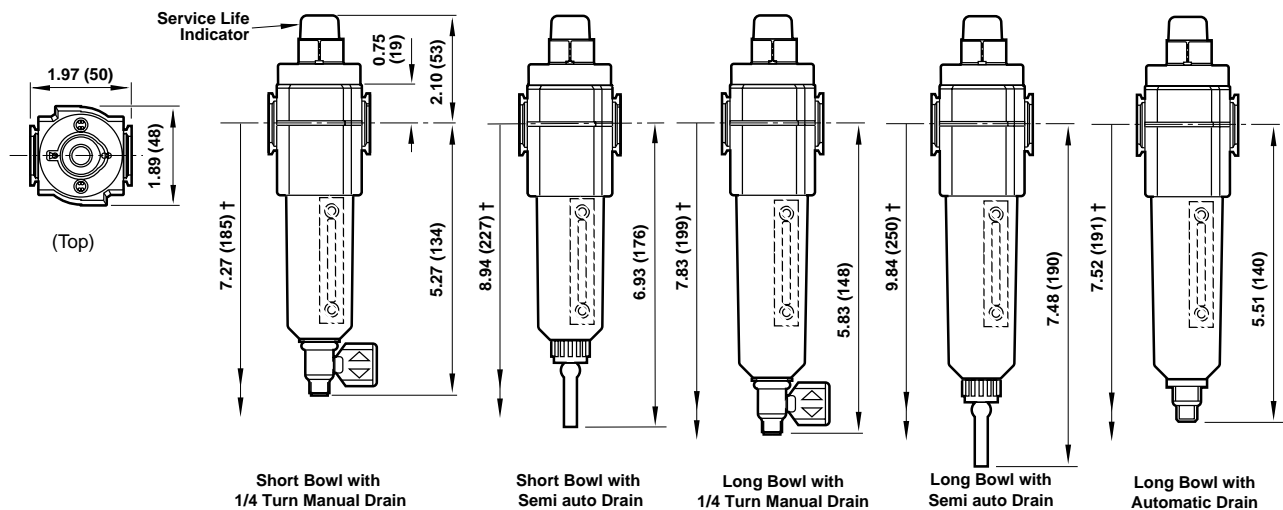


Service Kits

Item	Type	Part Number
Service kit	Seal and gasket	4380-500
Elements	5 µm	5925-03
	25 µm	5925-01
	40 µm	5925-02
Liquid level lens kit	Prismatic	4380-030
Replacement drains	1/4 turn manual	619-50
	Semi automatic	5379-RK
	Automatic	4000-50R

Service kit includes drain and bowl o-rings.

All Dimensions in Inches (mm)



Excelon 73 General Purpose Filter
1/4", 3/8", 1/2" Port Sizes

- Excelon design allows in-line or modular installation
- Quick release bayonet bowl
- Highly visible, prismatic liquid level indicator lens
- Optional mechanical service indicator turns from green to red when the filter element needs to be replaced
- Optional electrical service indicator provides electrical output when the filter element needs to be replaced
- Modular installations with Excelon 72, 73, and 74 series can be made to suit particular applications



Ordering information. Models listed include PTF threads, automatic drain, metal bowl with liquid level indicator, and a 40 µm element.

Port Size	Model	Flow* scfm (dm ³ /s)	Weight lb (kg)
1/4"	F73G-2AN-AD3	53 (25)	1.1 (0.50)
3/8"	F73G-3AN-AD3	65 (31)	1.1 (0.50)
1/2"	F73G-4AN-AD3	69 (33)	1.1 (0.50)

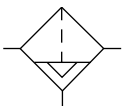
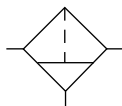
* Typical flow with a 40 µm element at 90 psig (6.3 bar) inlet pressure and 5 psig (0.35 bar) pressure drop.

Alternative Models

Port Size		Substitute		Element		Substitute	
1/4"		2		5 µm		1	
3/8"		3		25 µm		2	
1/2"		4		40 µm		3	

Threads		Substitute		Bowl		Substitute	
PTF		A		Metal with liquid level indicator		D	
ISO Rc taper		B		Transparent with guard		P	
ISO G parallel		G		Transparent		T	

Service Indicator		Substitute		Drain		Substitute	
With electrical service indicator *		E		Automatic		A	
With mechanical service indicator		D		Manual, 1/4 turn		Q	
Without		N					

ISO Symbols

Auto Drain

Manual Drain

See Section ALE-25 for Accessories



Technical Data

Fluid: Compressed air

Maximum pressure:

Transparent bowl: 150 psig (10 bar)

Metal bowl: 250 psig (17 bar)

Operating temperature*:

Transparent bowl: -30° to 125°F (-34° to 50°C)

Metal bowl: -30° to 175°F (-34° to 80°C)

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

Particle removal: 5 µm, 25 µm, or 40 µm filter element

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

Typical flow with a 40 µm element at 90 psig (6.3 bar) inlet pressure and 5 psig (0.35 bar) pressure drop: 65 scfm (31 dm³/s)

Manual drain connection: Will fit 1/8-27 and 1/8-28 pipe thread.

Automatic drain connection: Will fit 1/8-27 and 1/8-28 pipe thread. - Flexible tube with 3/16" (5mm) minimum I.D. can be connected to the automatic drain. Drain may fail to operate if the tube I.D. is less than 3/16" (5mm). Avoid restrictions in the tube.

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: 0.2 scfm (0.1 dm³/s)

Manual operation: Depress pin inside drain outlet to drain bowl

Nominal bowl size: 3.5 fluid ounce (0.1 liter)

Materials

Body: Aluminum

Bowl

Transparent: Polycarbonate

Transparent with guard: Polycarbonate, steel guard

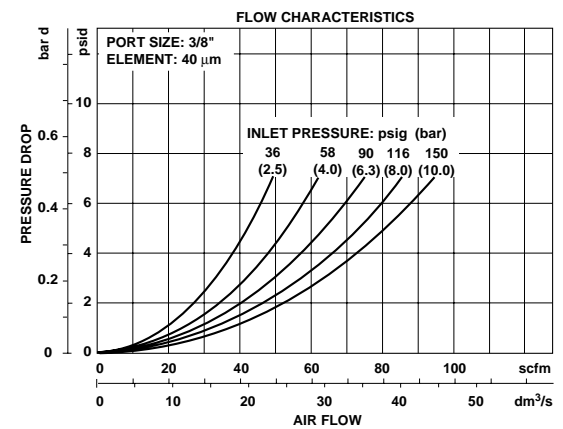
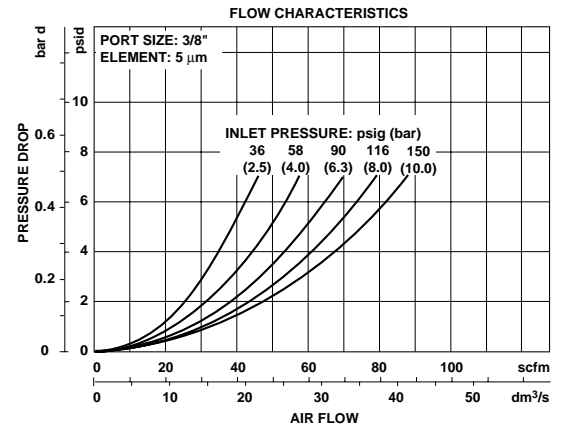
Metal: Aluminum

Metal bowl liquid level indicator lens: Transparent nylon

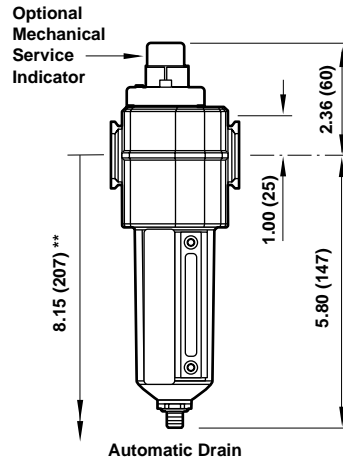
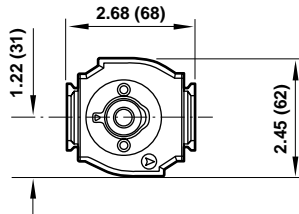
Element: Sintered polypropylene

Elastomers: Neoprene and nitrile

Typical Performance Characteristics



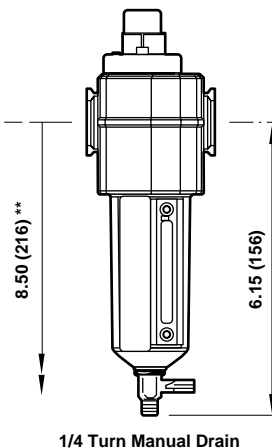
All Dimensions in Inches (mm)



Service Kits

Item	Type	Part Number
Service kit	Seal & Gasket	4380-600
Replacement elements	5 µm	4438-01
	25 µm	4438-02
	40 µm	4438-03
Liquid level lens kit	Prismatic	4380-020
Replacement drains	Automatic	4000-51R
	Manual quarter turn	619-50

Service kit includes automatic drain seal and bowl seal.



** Minimum clearance required to remove bowl.

**Excelon 74 General Purpose Filter
3/8", 1/2", 3/4" Port Sizes**

- Excelon design allows in-line or modular installation
- Quick release bayonet bowl
- Highly visible, prismatic liquid level indicator lens
- Optional mechanical service indicator turns from green to red when the filter element needs to be replaced
- Optional electrical service indicator provides electrical output when the filter element needs to be replaced
- Modular installations with Excelon 72, 73, and 74 series can be made to suit particular applications



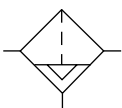
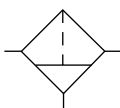
Ordering information. Models listed include PTF threads, automatic drain, metal bowl with liquid level indicator, and a 40 µm element.

Port Size	Model	Flow* scfm (dm ³ /s)	Weight lb (kg)
3/8"	F74G-3AN-AD3	112 (53)	1.82 (0.83)
1/2"	F74G-4AN-AD3	140 (66)	1.79 (0.81)
3/4"	F74G-6AN-AD3	140 (66)	1.75 (0.79)

* Typical flow with a 40 µm element at 90 psig (6.3 bar) inlet pressure and 5 psig (0.35 bar) pressure drop.

Alternative Models

		F 7 4 G - ★ ★ ★ - ★ ★ ★		
Port Size	Substitute		Element	Substitute
3/8"	3		5 µm	1
1/2"	4		25 µm	2
3/4"	6		40 µm	3
Threads	Substitute		Bowl	Substitute
PTF	A		Metal with liquid level indicator	D
ISO Rc taper	B		Transparent with guard	P
ISO G parallel	G		Drain	Substitute
Service Life Indicator	Substitute		Automatic	A
With (visual)	D		Manual, 1/4 turn	Q
With (electrical)	E			
Without	N			

ISO Symbols

Auto Drain

Manual Drain

See Section ALE-25 for Accessories



Technical Data

Fluid: Compressed air

Maximum pressure

Transparent bowl: 150 psig (10 bar)

Metal bowl: 250 psig (17 bar)

Operating temperature*:

Transparent bowl: -34° to 125°F (-30° to 50°C)

Metal bowl: -34° to 175°F (-30° to 80°C)

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

Particle removal: 5, 25, or 40 µm filter element

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

Typical flow with a 40 µm element at 90 psig (6.3 bar) inlet pressure and 5 psig (0.35 bar) pressure drop: 140 scfm (66 dm³/s)

Manual drain connection: Will fit 1/8-27 and 1/8-28 pipe thread

Automatic drain connection: Will fit 1/8-27 and 1/8-28 pipe thread. - Flexible tube with 3/16" (5mm) minimum I.D. can be connected to the automatic drain. Drain may fail to operate if the tube I.D. is less than 3/16" (5mm). Avoid restrictions in the tube.

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: 7 fluid ounce (0.2 liter)

Materials

Body: Aluminum

Bowl

Transparent: Polycarbonate with steel bowl guard

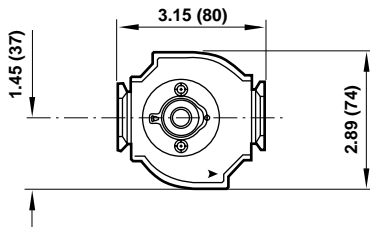
Metal: Aluminum

Metal bowl liquid level indicator lens: Transparent nylon

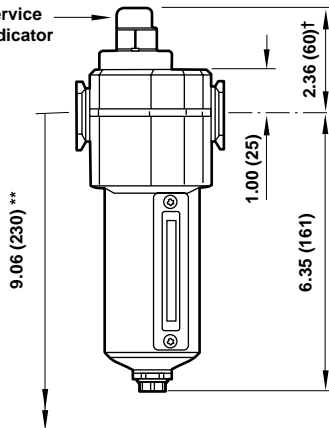
Element: Sintered plastic

Elastomers: Neoprene and Nitrile

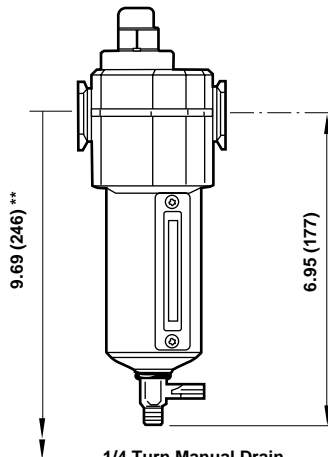
All Dimensions in Inches (mm)



Optional Service Indicator



Automatic Drain

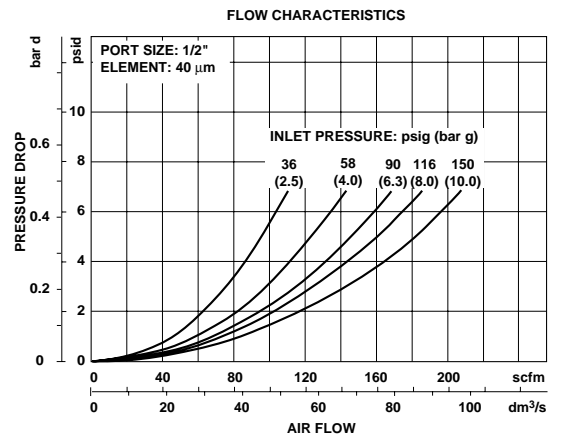
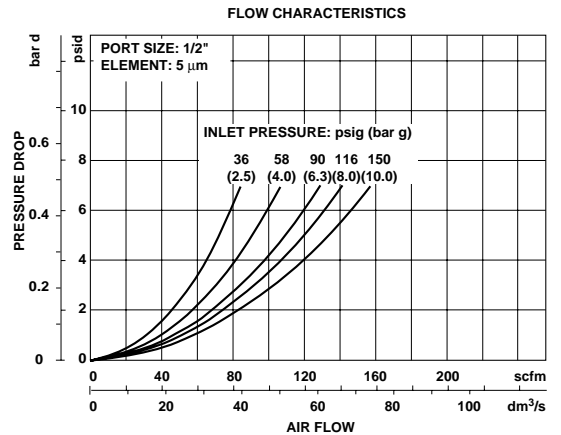


1/4 Turn Manual Drain

* Minimum clearance required to remove bowl.

† Dimension for alternative electrical service indicator is 1.98" (50.4 mm)

Typical Performance Characteristics



Service Kits

Item	Type	Part Number
Service kit	Seal & gasket	4380-700
Replacement elements	5 µm	4338-04
	25 µm	4338-07
	40 µm	4338-05
Liquid level lens kit	Prismatic	4380-050
Replacement drains	Automatic (1/8 NPT outlet)	3000-10
	Manual quarter turn	619-50

Service kit includes louvre/element seal, drain seal, bowl seal.

Olympian Plus General Purpose Filter
1/4", 3/8", 1/2", 3/4" Port Sizes

- Olympian Plus plug in design
- High efficiency water and particle removal
- Quick release bayonet bowl
- High visibility prismatic sight glass
- Optional service indicator



Ordering Information. Models listed include PTF threads, yoke, automatic drain, metal bowl, 40 µm element. Models do not include the service life indicator.

Port Size	Model	Flow [†] scfm (dm ³ /s)	Weight lb (kg)
1/4"	F64G-2AN-AD3	59 (28)	3.13 (1.42)
3/8"	F64G-3AN-AD3	118 (56)	3.13 (1.42)
1/2"	F64G-4AN-AD3	125 (59)	2.91 (1.32)
3/4"	F64G-6AN-AD3	125 (59)	3.79 (1.72)

† Typical flow with a 40 µm element at 90 psig (6.3 bar) inlet pressure and a 5 psig (0.35 bar) pressure drop.

Alternative Models

F 6 4 G - ★ ★ ★ - ★ ★ ★

Port Size	Substitute
1/4"	2
3/8"	3
1/2"	4
3/4"	6
No yoke	N

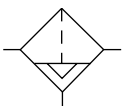
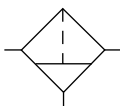
Threads	Substitute
PTF	A
ISO Rc taper	B
ISO G parallel	G
No yoke	N

Service Life Indicator	Substitute
With (visual)	D
With (electrical)	E
Without	N

Element	Substitute
5 µm	1
25 µm	2
40 µm	3

Bowl	Substitute
Metal with liquid level indicator	D
Transparent with guard	P

Drain	Substitute
Auto drain	A
Manual, 1/4 turn	Q

ISO Symbols

Auto Drain

Manual Drain

See Section ALE-25 for Accessories



Technical Data

Fluid: Compressed air

Maximum pressure

Guarded transparent bowl: 150 psig (10 bar)

Metal bowl: 250 psig (17 bar)

Operating temperature*:

Guarded transparent bowl: -30° to 125°F (-34° to 50°C)

Metal bowl: -30° to 175°F (-34° to 80°C)

* Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C).
 Partial removal: 5 µm, 25 µm or 40 µm. Within ISO 8573-1, Class 3 and Class 5
 Typical flow with 40 µm element at 90 psig (6.3 bar) inlet pressure and 5 psig (0.35 bar) pressure drop: 125 scfm (59 dm³/s)

Manual drain connection: Will fit 1/8-27 and 1/8-28 pipe thread.

Automatic drain connection: Will fit 1/8-27 and 1/8-28 pipe thread. - Flexible tube with 3/16" (5mm) minimum I.D. can be connected to the automatic drain. Drain may fail to operate if the tube I.D. is less than 3/16" (5mm). Avoid restrictions in the tube.

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: 7 fluid ounce (0.2 liter)

Materials

Body: Zinc

Yoke: Zinc

Metal bowl: Aluminum

Standard metal bowl prismatic liquid level indicator lens: Grilamid

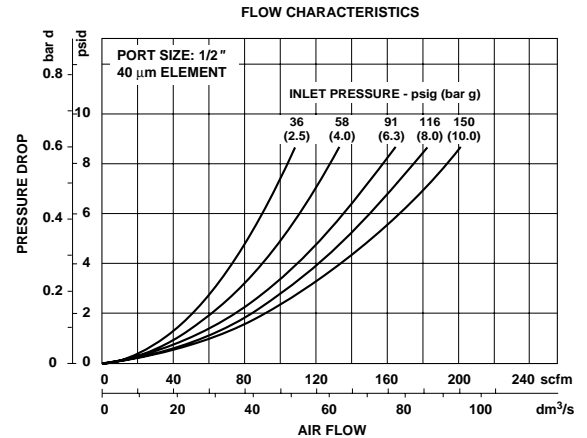
Optional metal bowl sight glass: Pyrex

Optional transparent bowl: Polycarbonate

Element: Sintered plastic

Elastomers: Synthetic rubber

Typical Performance Characteristics

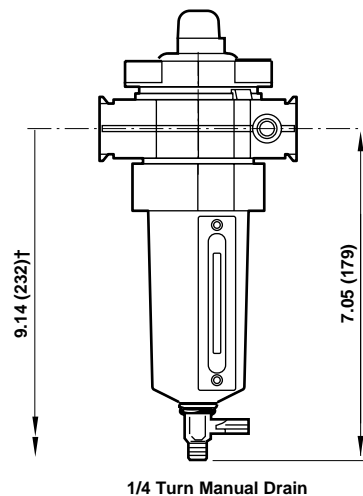
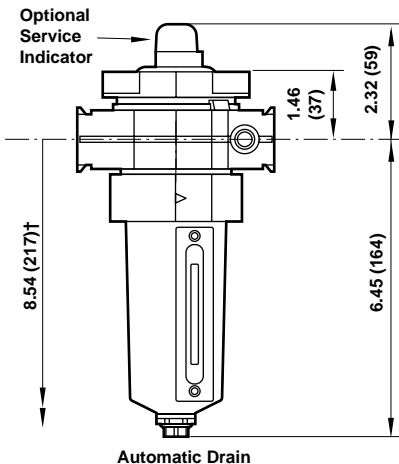
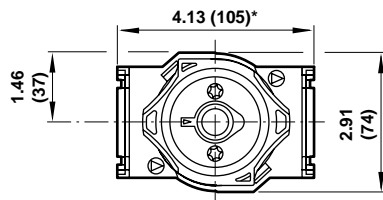


Service Kits

Item	Type	Part Number
Service kit	Seal and gasket	4380-200
Elements	5 µm	4338-01
	25 µm	4338-99
	40 µm	4338-02
Liquid level lens kit	Prismatic	4380-040
	Pyrex	4380-041
Replacement drains	Automatic	3000-10
	Manual	684-84

Service kit includes port seals, louver o-ring, bowl o-ring and drain gasket.

All Dimensions in Inches (mm)



* 6.18" (157 mm) for 3/4" models

† Minimum clearance required to remove bowl.

Olympian Plus General Purpose Filter
3/4", 1", 1-1/4", 1-1/2" Port Sizes

- **Olympian Plus plug in system**
- **Effective liquid removal and positive solid particle filtration**
- **Large filter element area provides minimum pressure drop**
- **Optional visual service indicator turns from green to red when the filter element needs to be replaced**
- **Factory option electrical service life indicator provides electrical output when the filter element needs to be replaced - see page ALE-25-23.**



Ordering Information. Models listed include a 1 quart bowl with 40 µm long element, automatic drain, and yoke with PTF threads.

Port Size	Model	Flow [†] scfm (dm ³ /s)	Weight lb (kg)
3/4	F68E-6AN-AU3	339 (160)	2.45 (5.3)
1	F68E-8AN-AU3	403 (190)	2.33 (5.1)
1-1/4	F68E-AAN-AU3	424 (200)	2.43 (5.3)
1-1/2	F68E-BAN-AU3	424 (200)	2.30 (5.0)

[†] Typical flow with a 40µm element at 90 psig (6.3 bar) inlet pressure and 7 psig (0.5 bar) pressure drop.

Alternative Models

F 6 8 E - ★ ★ ★ - ★ ★ ★

Bowl/Element Type	Substitute
1 pint (0.5 liter) bowl w/short element	G
1 quart (1 liter) bowl w/long element	E

Port Size	Substitute
3/4"	6
1"	8
1-1/4"	A
1-1/2"	B
None	N

Threads	Substitute
PTF	A
ISO Rc taper	B
ISO G parallel	G
None	N

Service Life Indicator	Substitute
Visual	D
Electrical	E
Without	N

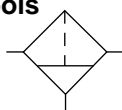
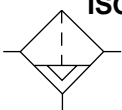
Element	Substitute
5 µm	1
25 µm	2
40 µm	3

Bowl	Substitute
1 quart (1 liter) without liquid level indicator	C**
1 pint (0.5 liter) without liquid level indicator	M*
1 pint (0.5 liter) with liquid level indicator	R*
1 quart (1 liter) with liquid level indicator	U**

Drain	Substitute
Automatic	A
No drain (Closed bowl)	E
Manual	M
Manual, 1/4 turn	Q

* Only available with F68G

** Only available with F68E

ISO Symbols

Auto Drain
Manual Drain



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: 5, 25 or 40 µm
 Air quality: Within ISO 8573-1, Class 3 and Class 5 (particulates)
 Typical flow with a 40 µm element at 90 psig (6.3 bar) inlet pressure and a 7 psig (0.5 bar) pressure drop:

403 scfm (190 dm³/s)

1/4 turn manual drain connection: 1/8" pipe thread

Automatic drain connection: 1/8" 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:

1 pint U.S. (0.5 liter)

1 quart U.S. (1 liter)

Materials:

Body: Aluminum

Yoke: Aluminum

Bowl: Aluminum

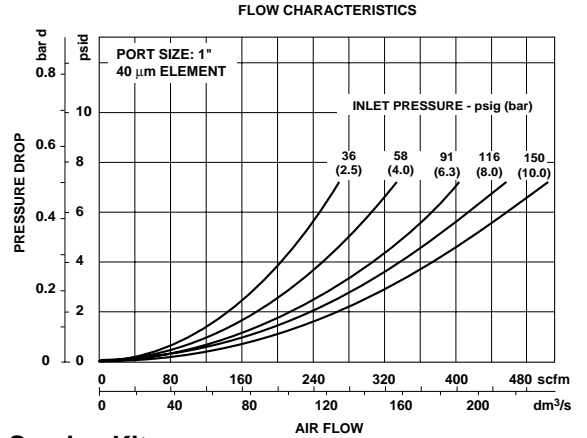
Liquid level indicator: Pyrex

Element: Sintered bronze or polypropylene

Elastomers: Synthetic rubber

All Dimensions in Inches (mm)

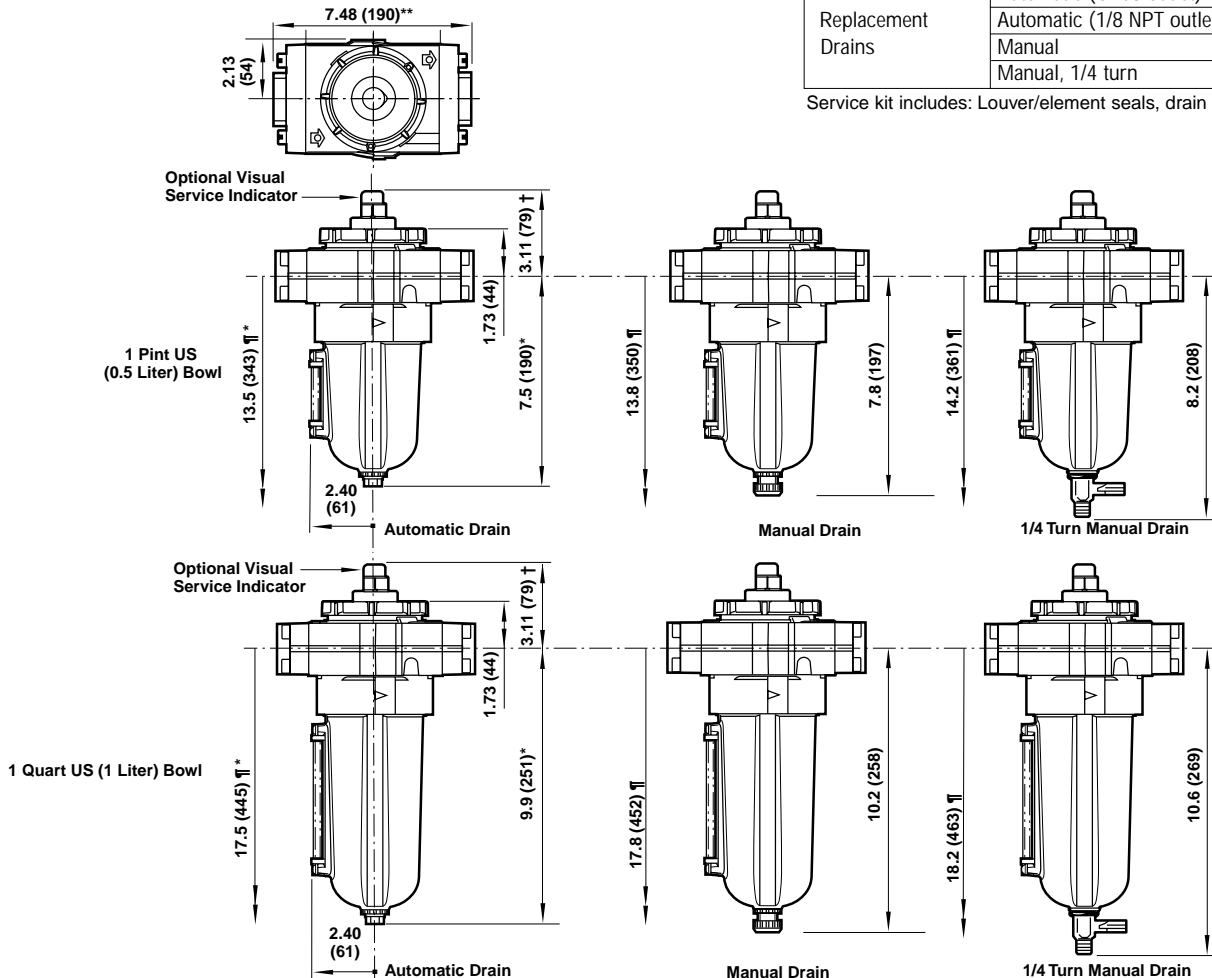
Typical Performance Characteristics



Service Kits

Item	Type	Part Number
Service Kit	Seal and gasket	4380-300
Replacement Elements	5 µm (1 pint bowl)	5576-97
	25 µm (1 pint bowl)	5576-98
	40 µm (1 pint bowl)	5576-99
	5 µm (1 quart bowl)	5311-01
Replacement	25 µm (1 quart bowl)	5311-02
	40 µm (1 quart bowl)	5311-03
	1 pint bowl	4380-060
Sight Glass	1 quart bowl	4380-061
Replacement Drains	Automatic (G 1/8 outlet)	3000-97
	Automatic (1/8 NPT outlet)	3000-10
	Manual	684-84
	Manual, 1/4 turn	619-50

Service kit includes: Louver/element seals, drain seal, bowl seal.



† For optional electrical service life indicator add 0.20" (5 mm).
 ** For 1-1/4" and 1-1/2" ported yokes, add 0.39" (10 mm).

*Dimension also applies to closed bottom bowl.
 †† Minimum clearance required to remove bowl.

**17 Series General Purpose Filter
3/4", 1", 1-1/4", 1-1/2" Port Sizes**

- Protects air operated devices by removing liquid and solid contaminants from compressed air
- Screw-on bowl reduces maintenance time
- Can be serviced without the use of tools or removal from the air line
- Optional visual service indicator turns from green to red when the filter element needs to be cleaned or replaced
- Optional electrical service indicator also available



Ordering Information. Models listed include automatic drain, 40 µm element, metal bowl with sight glass, and PTF threads.

Port Size	Model Numbers	Flow scfm (dm ³ /s)*	Weight lbs (kg)
3/4"	F17-600-A3DA	325 (153)	4.26 (1.93)
1"	F17-800-A3DA	425 (201)	4.15 (1.88)
1-1/4"	F17-A00-A3DA	425 (201)	4.39 (1.99)
1-1/2"	F17-B00-A3DA	425 (201)	4.30 (1.95)

* Typical flow with a 40 µm element at 90 psig (6.3 bar) inlet pressure and 5 psig (0.35 bar) pressure drop.

Alternative Models

F 1 7 - ★ ★ ★ - ★ ★ ★ ★

Port Size	Substitute
3/4"	6
1"	8
1-1/4"	A
1-1/2"	B

Option	Substitute
Not applicable	0

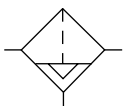
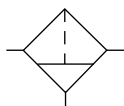
Service Indicator	Substitute
With (visual)	1
With (electrical)	4
Without	0

Threads	Substitute
PTF	A
ISO Rc taper	B
BSPG (1-1/2" ported units only)	C
ISO G parallel (not available with 1-1/2" ported units)	G

Bowl	Substitute
1 quart (1 liter) metal with sight glass	D
1 quart (1 liter) metal	M

Element	Substitute
5 µm	1
25 µm	2
40 µm	3
75 µm	4

Drain	Substitute
Automatic	A
Manual	M

ISO Symbols

Auto Drain

Manual Drain
See Section ALE-25 for Accessories



Technical Data

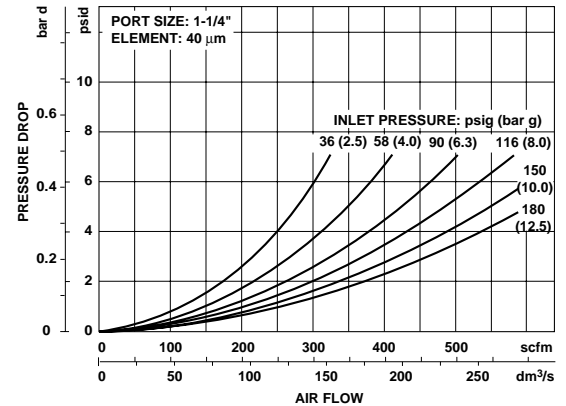
Fluid: Compressed air
 Maximum pressure: 250 psig (17 bar)
 Operating temperature: * -30° to 175°F (-34° to 80°C)
 * Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C)
 Particle removal: 5 µm, 25 µm, 40 µm, or 75 µm filter element
 Air quality: Within ISO 8573-1, Class 3 and Class 5 (particulates)
 Typical flow with a 40 µm element at 90 psig (6.3 bar) inlet pressure and 5 psig (0.35 bar) pressure drop: 425 scfm (201 dm³/s)
 Nominal bowl size: 1 quart (1 liter)
 Manual drain connection: Will fit 1/8-27 and 1/8-28 pipe thread.
 Automatic drain connection: Will fit 1/8-27 and 1/8-28 pipe thread. - Flexible tube with 3/16" (5mm) minimum I.D. can be connected to the automatic drain. Drain may fail to operate if the tube I.D. is less than 3/16" (5mm). Avoid restrictions in the tube.
 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

Materials

- Body: Aluminum
- Bowl: Aluminum
- Bowl sight glass: Pyrex
- Elastomers: Neoprene and nitrile
- Filter element

 - 5 µm: Sintered bronze
 - 25 µm: Sintered bronze
 - 40 µm: Sintered bronze
 - 75 µm: Stainless steel screen

Typical Performance Characteristics

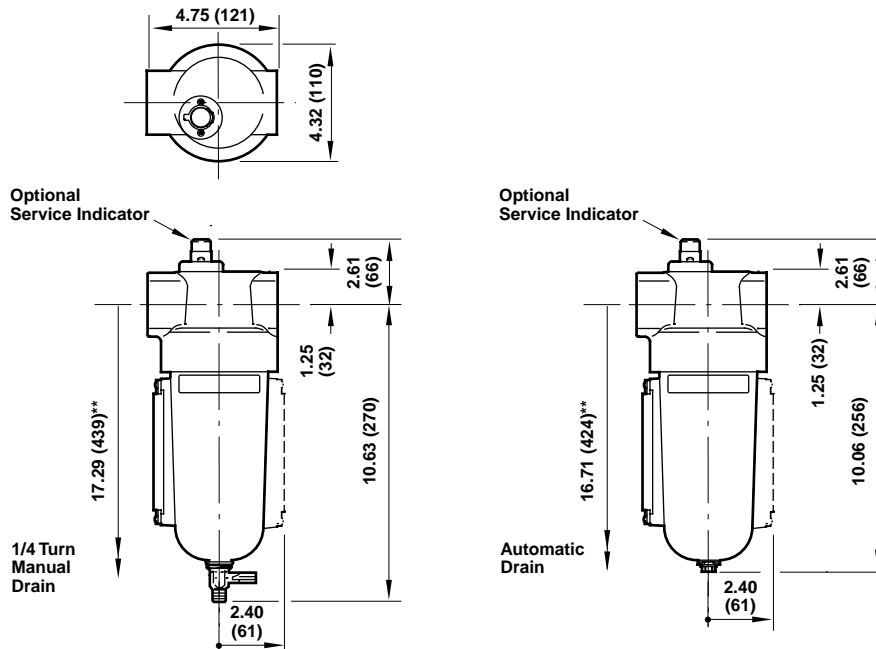


Service Kits

Item	Type	Part number
Service kits	All filters	5578-05
Replacement elements	5 µm	5311-01
	25 µm	5311-02
	40 µm	5311-03
Replacement drain	75 µm	5656-01
	Automatic	3000-10
	Manual (1/4 turn)	619-50

Service kit 5778-05 includes bowl o-ring, drain gasket, and element gasket.

All Dimensions in Inches (mm)



** Minimum clearance required to remove bowl

**18 Series General Purpose Filter
1-1/2" and 2" Port Sizes**

- Protects air operated devices by removing liquid and solid contaminants
- Highly visible, prismatic liquid level indicator lens
- Can be disassembled without removal from the air line
- Optional visual service indicator turns from green to red when the filter element needs to be cleaned or replaced
- Optional electrical service indicator also available



Ordering Information. Models listed include automatic drain, 40 µm element, metal bowl with sight glass, and PTF threads.

Port Size	Model Numbers	Flow scfm (dm ³ /s) *	Weight lbs (kg)
1-1/2"	F18-B00-A3DA	1400 (661)	14.90 (6.76)
2"	F18-C00-A3DA	1400 (661)	14.65 (6.65)

* Typical flow with a 40 µm element at 90 psig (6.3 bar) inlet pressure and 5 psig (0.35 bar) pressure drop.

Alternative Models

F 1 8 - ★ ★ ★ - ★ ★ ★ ★

Port Size	Substitute
1-1/2"	B
2"	C

Option	Substitute
Not applicable	0

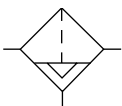
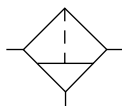
Service Indicator	Substitute
Without	0
With pneumatic	1
With electrical	4

Threads	Substitute
PTF	A
ISO Rc taper	B
ISO G parallel	G

Bowl	Substitute
Metal with sight glass	D
Metal	M

Element	Substitute
5 µm	1
25 µm	2
40 µm	3
100 µm	4

Drain	Substitute
Automatic	A
Manual 1/4 turn	M

ISO Symbols

Auto Drain

Manual Drain

See Section ALE-25 for Accessories



Technical Data

Fluid: Compressed air
 Maximum pressure: 250 psig (17 bar)
 Operating temperature*: -30° to 175°F (-34° to 80°C)

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

Particle removal: 5 µm, 25 µm, 40 µm or 100 µm filter element

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

Typical flow with a 40 µm element at 90 psig (6.3 bar) inlet pressure and 5 psig (0.35 bar) pressure drop: 1300 scfm (614 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.

Automatic drain connection: Will fit 1/8-27 and 1/8-28 pipe thread. - Flexible tube with 3/16" (5mm) minimum I.D. can be connected to the automatic drain. Drain may fail to operate if the tube I.D. is less than 3/16" (5mm). Avoid restrictions in the tube.

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

Materials

Body: Aluminum

Intermediate body: Aluminum

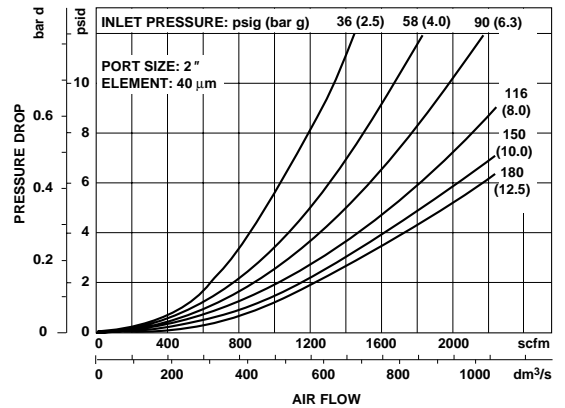
Bowl: Aluminum

Metal bowl liquid level indicator: Transparent nylon

Filter element: Sintered bronze

Elastomers: Neoprene and nitrile

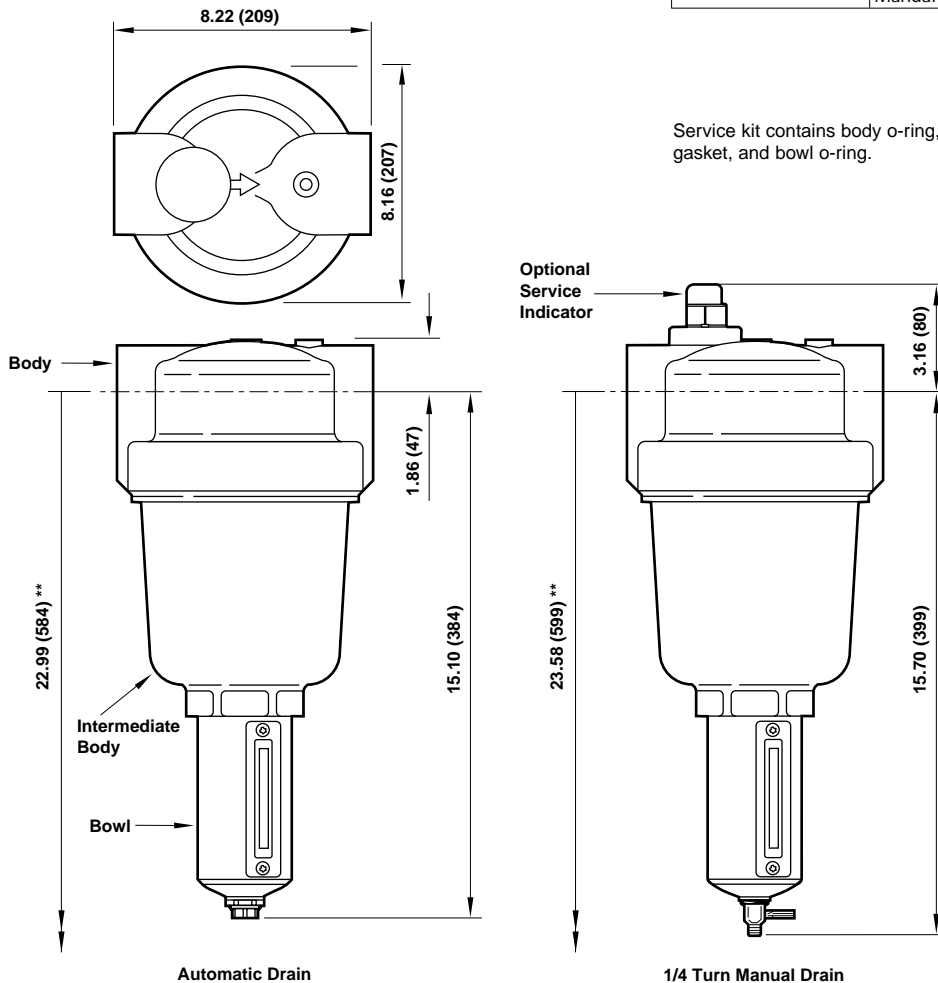
Typical Performance Characteristics



Service Kits

Item	Type	Part Number
Service kit	Seal & Gasket	4945-50
Replacement elements	5 µm	5882-11
	25 µm	5882-12
	40 µm	5882-13
	100 µm	5882-14
Liquid level lens kit	Prismatic	4380-050
Replacement drains	Automatic	3000-10
	Manual quarter turn	619-50

All Dimensions in Inches (mm)



Service kit contains body o-ring, element gasket, automatic drain gasket, and bowl o-ring.

** Minimum clearance required to remove intermediate body and bowl.