

Filter-Regulator-Lubricator Combination units in ports sizes from 1/8" to 1-1/2".

- 07 Series Filter-Regulator-Lubricator
Combination Units 1/8" and 1/4" port sizesALE-22-2**
- Excelon 72 Filter-Regulator-Lubricator
Combination Units 1/4" and 3/8" port sizesALE-22-4**
- Excelon 73 Filter-Regulator-Lubricator Combination
Units 1/4", 3/8", and 1/2" port sizesALE-22-8**
- Excelon 74 Filter-Regulator-Lubricator Combination
Units 3/8", 1/2", and 3/4" port sizesALE-22-12**
- 17 Series Filter-Regulator-Lubricator Combination
Units 3/4", 1", 1-1/4", and 1-1/2" Port SizesALE-23-16**
- Olympian 64 Filter-Regulator-Lubricator Combination
Units 1/4, 3/8", 1/2", and 3/4" Port SizesALE-22-18**



**07 Series
F-R-L**



**72 Series
F-R-L**



**73 Series
F-R-L**



**74 Series
F-R-L**



**64 Series
F-R-L**



**17 Series
F-R-L**

P1A Combination Unit

07 Series Filter-Regulator-Lubricator 1/8" and 1/4" Port Sizes

- **Compact design**
- **Filter removes liquids and solid particles down to 5 µm**
- **Push to lock adjusting knob with tamper resistant option**
- **Micro-Fog lubricator provides air line lubrication to one or more air driven tools or other devices**
- **Nearly constant oil density output with varying air flow**
- **Can be disassembled without the use of tools or removal from the air line**



Ordering Information. Models listed include PTF threads, transparent bowls, filter with automatic drain, 5 µm element; regulator with relieving diaphragm, 5 to 100 psig (0.3 to 7 bar) outlet pressure adjustment range*, gauge; lubricator with manual drain.

Port Size	Model Numbers	Weight lbs (kg)
1/8"	P1A-100-A1AA	1.17 (0.53)
1/4"	P1A-200-A1AA	1.17 (0.53)

Alternative Models

P 1 A - ★ ★ ★ - ★ ★ ★ ★

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

Filter Bowl	Outlet Pressure Adjustment Range*		Relief Type	Gauge	Substitute
	psig	bar			
Transparent	5 to 100	0.3 to 7	Relieving	With	00
Transparent	5 to 100	0.3 to 7	Relieving	Without	01
Transparent	5 to 100	0.3 to 7	Non-relieving	Without	02
Transparent	5 to 100	0.3 to 7	Non-relieving	With	03
Transparent	5 to 50	0.3 to 3.5	Relieving	Without	04
Transparent	5 to 50	0.3 to 3.5	Relieving	With	05
Transparent	5 to 50	0.3 to 3.5	Non-relieving	Without	06
Transparent	5 to 50	0.3 to 3.5	Non-relieving	With	07
Metal / no sight glass	5 to 100	0.3 to 7	Relieving	With	40
Metal / no sight glass	5 to 100	0.3 to 7	Relieving	Without	41
Metal / no sight glass	5 to 100	0.3 to 7	Non-relieving	Without	42
Metal / no sight glass	5 to 100	0.3 to 7	Non-relieving	With	43
Metal / no sight glass	5 to 50	0.3 to 3.5	Relieving	Without	44
Metal / no sight glass	5 to 50	0.3 to 3.5	Relieving	With	45
Metal / no sight glass	5 to 50	0.3 to 3.5	Non-relieving	Without	46
Metal / no sight glass	5 to 50	0.3 to 3.5	Non-relieving	With	47

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

Lubricator Reservoir	Substitute
Transparent with drain	A
Transparent without drain	Q
Metal with drain	M
Metal without drain	F

Filter Element	Substitute
5 µm	1
100 µm	5

Filter Drain	Substitute
Automatic	A
Manual	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.

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: 0° to 125°F (-20° to 50°C)

Metal bowl: 0° to 150°F (-20° to 65°C)

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

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

Filter

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

Automatic drain operation: Spitter type drain operates momentarily when a rapid change in air flow occurs or when the supply pressure is reduced.

Regulator

Recommended regulating pressure ranges†:

5 to 100 psig (0.3 to 7 bar) standard

5 to 50 psig (0.3 to 3.5 bar) optional

† Outlet pressures 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.

Gauge ports:

1/8" PTF with PTF main ports

1/8" ISO Rc with ISO Rc main ports

1/8" ISO Rc with ISO G main ports

Lubricator

Start point (i.e. minimum flow required for lubricator operation): 0.5 scfm (0.24

dm³/s) at 90 psig (6.3 bar) inlet pressure

Nominal bowl size: 1 fluid ounce (31 ml)

Recommended lubricants: See Section ALE-29.

Materials

Bodies: Zinc

Filter/Regulator bonnet: Acetal

Filter/Regulator valve: Brass/nitrile

Filter/Regulator valve seat: Acetal

Bowls

Transparent: Polycarbonate

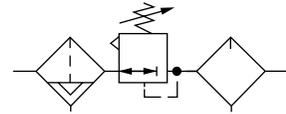
Metal: Zinc

Lubricator sight-feed dome: Transparent nylon

Filter element: Sintered polypropylene

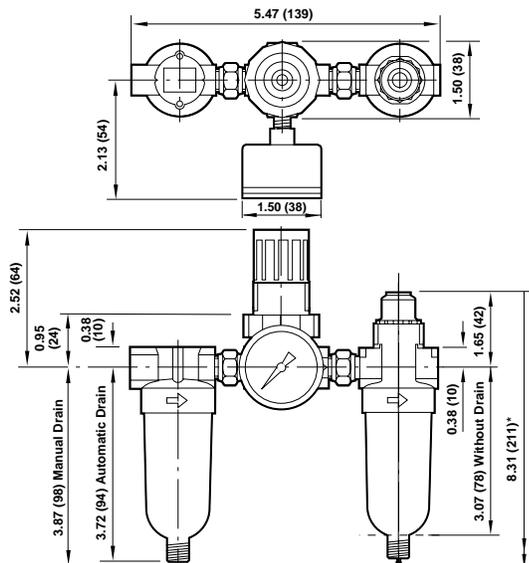
Elastomers: Nitrile

ISO Symbols



Filter with automatic drain, relieving regulator, lubricator with manual drain.

All Dimensions in Inches (mm)



* Minimum clearance to remove bowl.

** Use 2" (51 mm) long screws, 5/32" diameter, to mount PTA Unit to wall.

- True modularity with Norgren Quikclamp™ connections
- Quick release bayonet bowl
- Lubricator flow sensor provides a nearly constant oil/air ratio over a wide range of air flows
- All around (360°) visibility of the lubricator sight-feed dome simplifies installation and adjustment
- Regulator balanced valve minimizes effect of variation in the inlet pressure on the outlet pressure

Use Micro-Fog models in applications containing one or more points of lubrication.

Use Oil-Fog models to lubricate a single tool, cylinder, or other air driven device.

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: 0° to 125°F (-20° to 50°C)

Metal bowl: 0° to 150°F (-20° 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 filter element

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

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

Short bowl: 1.9 fluid ounce (56 ml)

Long bowl: 2.2 fluid ounce (65 ml)

Gauge ports: 1/8 PTF with PTF main ports

Rc1/8 with ISO Rc main ports

Rc1/8 with ISO G main ports

Recommended lubricants: See Section ALE-29.

Materials

Body: Zinc

Bonnet: Acetal

Regulator valve: Brass

Regulator bottom plug: Acetal

Bowl

Transparent: Polycarbonate

Transparent with guard: Polycarbonate, zinc guard

Metal: Zinc

Metal bowl liquid level indicator lens: Transparent nylon

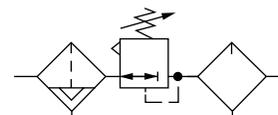
Sight-Feed dome: Transparent nylon

Element: Sintered polypropylene

Elastomers: Neoprene, nitrile



ISO Symbols



Filter with automatic drain, relieving regulator,
lubricator with manual drain.

See Section ALE-25 for Accessories

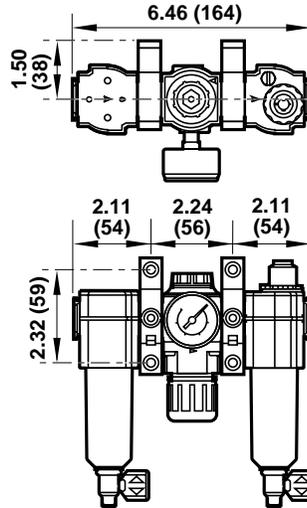


F72G-R72-L72 Combination Unit

All Dimensions in Inches (mm)

Standard Micro-Fog Type C72A- Standard Oil-Fog Type C72B-

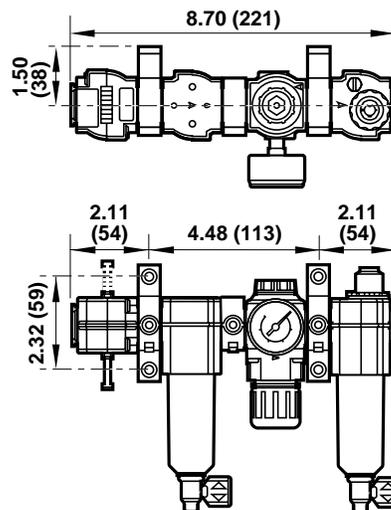
Shown with optionala Quikclamp wall
bracket.



Alternative Micro-Fog Type D72A- Alternative Oil-Fog Type D72B-

Includes Shutoff/Lockout valve.

Shown with optional Quikclamp wall
brackets.



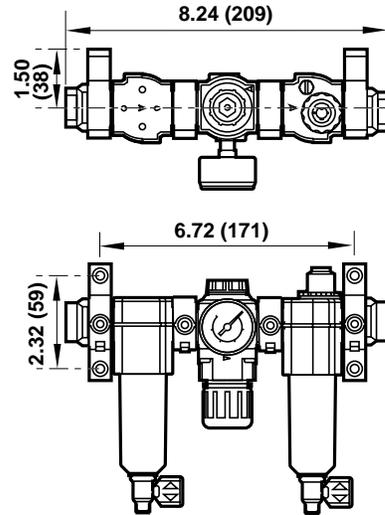
F72G-R72-L72 Combination Unit

All Dimensions in Inches (mm)



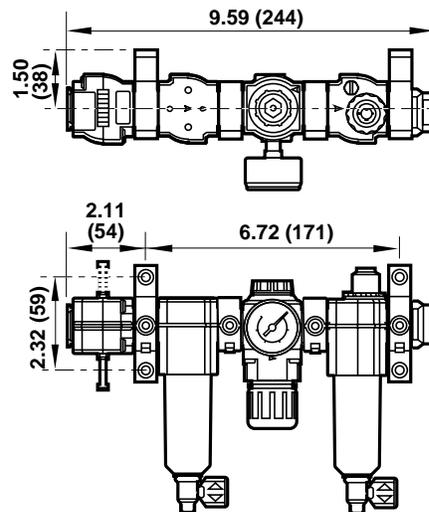
**Alternative Micro-Fog Type E72A-
Alternative Oil-Fog Type E72B-
Includes Quikmount pipe adapters.**

Shown with optional gauge and
Quikclamp wall brackets.



**Alternative Micro-Fog Type G72A-
Alternative Oil-Fog Type G72B-**

Includes Shutoff/Lockout valve and Quikmount pipe adapter.
Shown with optional gauge and
Quikclamp wall brackets.



- True modularity with Norgren Quikclamp™ connections
- Quick release bayonet bowl
- Lubricator flow sensor provides a nearly constant oil/air ratio over a wide range of air flows
- All around (360°) visibility of the lubricator sight-feed dome simplifies installation and adjustment
- Regulator balanced valve minimizes effect of variation in the inlet pressure on the outlet pressure

Use Micro-Fog models in applications containing one or more points of lubrication.

Use Oil-Fog models to lubricate a single tool, cylinder, or other air driven device.



Technical Data

Fluid: Compressed air

Maximum pressure

Transparent bowl: 150 psig (10 bar)

Metal bowl: 250 psig (17 bar)

Operating temperature*

Transparent bowl: 0° to 125°F (-20° to 50°C)

Metal bowl: 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 µm, 25 µm, or 40 µm filter element

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

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)

Gauge ports:

1/4 PTF with PTF main ports

ISO Rc1/4 with ISO Rc main ports

ISO Rc1/8 with ISO G main ports

Recommended lubricants: See Section ALE-29.

Materials

Body: Aluminum

Bonnet: Aluminum or Zinc

Regulator valve: Brass

Regulator bottom plug: Acetal

Bowl

Transparent: Polycarbonate

Transparent with guard: Polycarbonate, steel guard

Metal: Aluminum

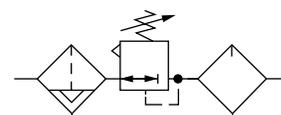
Metal bowl liquid level indicator lens: Transparent nylon

Sight-Feed dome: Transparent nylon

Element: Sintered plastic

Elastomers: Neoprene and nitrile

ISO Symbols



Filter with automatic drain, relieving regulator,
lubricator with manual drain.

See Section ALE-25 for Accessories



Ordering information

Models listed in order table have PTF threads. Filter (F) has automatic drain, metal bowl with liquid level indicator, and a 40 µm element. Regulator (R) has knob adjustment, relieving diaphragm, 150 psig (10 bar) regulating spring, and gauge. Lubricator (L) is a Micro-Fog model with 1/4 turn manual drain and metal bowl with liquid level indicator.

Combination Unit Type	Port Size	Model	Weight lb (kg)
Filter-Regulator-Lubricator (F-R-L)	1/4"	C73A-2AK-AD3-RMG-QDN	4.36 (1.98)
	3/8"	C73A-3AK-AD3-RMG-QDN	4.36 (1.98)
	1/2"	C73A-4AK-AD3-RMG-QDN	4.36 (1.98)

Alternative Models



Lockout Valve/ Quikmount	Substitute
Standard Combination (No Lockout Valve, no Quikmount)	C
With Lockout valve on inlet	D
With Quikmount pipe adapters on inlet and outlet	E
With Lockout valve on inlet and Quikmount pipe adapter on outlet	G

Combination Unit Type	Substitute
Micro-Fog F-R-L	A
Oil-Fog F-R-L	B

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

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

Pressure Adjustment	Substitute
Knob	K
T-bar	T

Filter Drain	Substitute
Automatic	A
Manual, 1/4 turn	Q

Filter Bowl	Substitute
Metal with liquid level indicator	D
Transparent with steel guard	P
Transparent	T

Accessories	Substitute
Accessories B and D	A
Quikclamp wall brackets	B
Accessories B and Q	C
Filter service indicator	D
Accessories B , D , and Q	H
No accessories	N
Lubricator quick fill nipple	Q

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

Lubricator Drain	Substitute
Closed bottom	E
Manual, 1/4 turn	Q

Regulator Gauge	Substitute
With gauge	G
No gauge	N

Regulation spring *	Substitute
5 to 60 psig (0.3 to 4 bar)	F
5 to 150 psig (0.3 to 10 bar)	M
10 to 250 psig (0.7 to 17 bar)**	S

Regulator Diaphragm	Substitute
Non-relieving	N
Relieving	R

Filter Element	Substitute
5 µm	1
25 µm	2
40 µm	3

* 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.

** Units with 250 psig (17 bar) outlet pressure range are available only with the standard metal bowl.

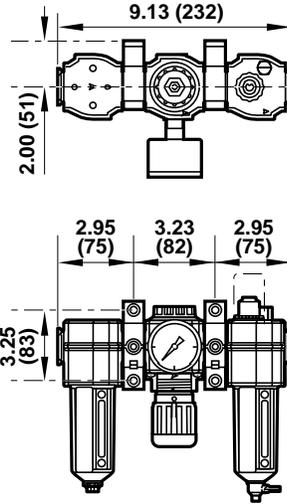


F73G-R73-L73 Combination Unit

All Dimensions in Inches (mm)

Standard Micro-Fog Type C73A- Standard Oil-Fog Type C73B-

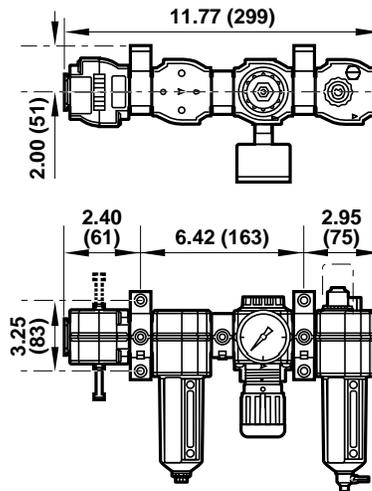
Shown with optional Quikclamp
wall bracket.



Alternative Micro-Fog Type D73A- Alternative Oil-Fog Type D73B-

Includes lockout valve.

Shown with optional
Quikclamp wall bracket.



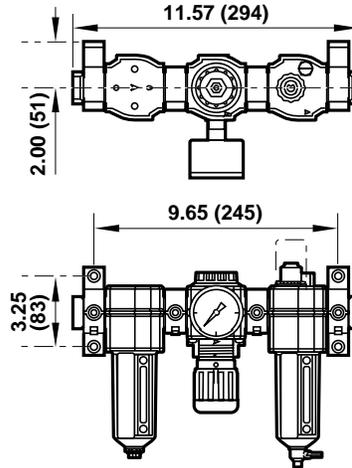
F73G-R73-L73 Combination Unit

All Dimensions in Inches (mm)



**Alternative Micro-Fog Type E73A-
Alternative Oil-Fog Type E73B-
Includes Quikmount pipe adapters.**

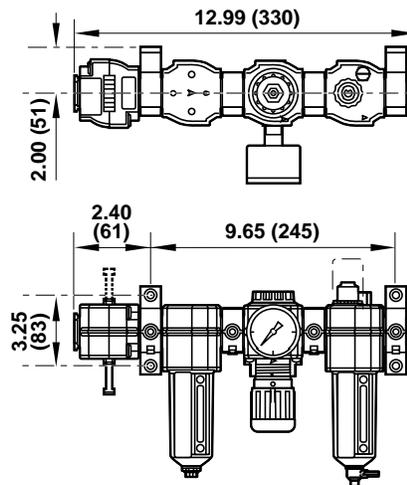
Shown with optional
Quikclamp wall bracket.



**Alternative Micro-Fog Type G73A-
Alternative Oil-Fog Type G73B-**

**Includes lockout valve and
Quikmount pipe adapter.**

Shown with optional
Quikclamp wall bracket.



- True modularity with Norgren Quikclamp™ connections
- Quick release bayonet bowl
- Lubricator flow sensor provides a nearly constant oil/air ratio over a wide range of air flows
- All around (360°) visibility of the lubricator sight-feed dome simplifies installation and adjustment
- Regulator balanced valve minimizes effect of variation in the inlet pressure on the outlet pressure

Use Micro-Fog models in applications containing one or more points of lubrication.

Use Oil-Fog models to lubricate a single tool, cylinder, or other air driven device.



Technical Data

Fluid: Compressed air

Maximum pressure

Transparent bowl: 150 psig (10 bar)

Metal bowl: 250 psig (17 bar)

Operating temperature*

Transparent bowl: 0° to 125°F (-20° to 50°C)

Metal bowl: 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 µm, 25 µm, or 40 µm filter element

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

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:

Standard: 7 fluid ounce (0.2 liter)

Optional size for lubricator: 1 quart US (1 liter)

Gauge Ports:

1/4" PTF with PTF main ports

Rc 1/4 with ISO Rc main ports

Rc 1/8 with ISO G main ports

Recommended lubricants: See Section ALE-29.

Materials

Body: Aluminum

Bonnet: Aluminum

Regulator valve: Brass

Regulator bottom plug: Acetal

Bowl

Transparent: Polycarbonate with steel bowl guard

Metal: Aluminum

Metal bowl liquid level indicator lens:

7 fluid ounce (0.2 liter): Transparent nylon

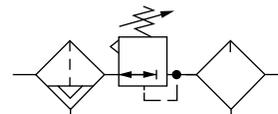
1 quart US (1 liter): Pyrex

Sight-Feed dome: Transparent nylon

Element: Sintered polypropylene

Elastomers: Neoprene and nitrile

ISO Symbols



Filter with automatic drain, relieving regulator, lubricator with manual drain.

See Section ALE-25 for Accessories



Ordering information. Models listed include Micro-Fog lubricator, PTF threads, knob pressure adjustment, metal filter bowl with liquid level indicator and automatic drain, 40 µm filter element, relieving diaphragm, 150 psig (10 bar) regulating spring, gauge, 7 fluid oz. (0.2 liter) metal lubricator bowl with liquid level indicator and 1/4 turn manual drain.

Combination Unit Type	Port Size	Model	Weight lb (kg)
Filter-Regulator-Lubricator (F-R-L)	3/8"	C74A-3AK-AD3-RMG-QDN	6.22 (2.82)
	1/2"	C74A-4AK-AD3-RMG-QDN	6.04 (2.74)
	3/4"	C74A-6AK-AD3-RMG-QDN	5.91 (2.68)

Alternative Models



Lockout Valve/ Quikmount	Substitute
Standard combination (no lockout valve or Quikmount)	C
With lockout valve on inlet	D
With Quikmount pipe adapters on inlet and outlet	E
With Lockout valve on inlet and Quikmount pipe adapter on outlet	G

Combination Unit Type	Substitute
Micro-Fog F-R-L	A
Oil-Fog F-R-L	B

Port Size	Substitute
3/8"	3
1/2"	4
3/4"	6

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

Pressure Adjustment	Substitute
Knob	K
T-bar	T

Filter Drain	Substitute
Automatic	A
Manual, 1/4 turn	Q

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

Filter Element	Substitute
5 µm	1
25 µm	2
40 µm	3

Accessories	Substitute
Quikclamp wall brackets and filter service indicator	A
Quikclamp wall brackets	B
Quikclamp wall brackets and lubricator quick fill nipple	C
Filter service indicator	D
Quikclamp wall brackets, filter service indicator and lubricator quick fill nipple	H
No accessories	N
Lubricator quick fill nipple	Q

Lubricator Bowl	Substitute
1 quart US (1 liter) metal with liquid level indicator	A
7 fluid oz. (0.2 liter) metal with liquid level indicator	D
7 fluid oz. (0.2 liter) transparent with zinc guard	P

Lubricator Drain	Substitute
Closed bottom	E
Manual, 1/4 turn	Q
Remote fill ††	R

Regulator Gauge	Substitute
With gauge	G
No gauge	N

Regulation spring **	Substitute
5 to 60 psig (0.3 to 4 bar)	F
5 to 150 psig (0.3 to 10 bar)	M
10 to 250 psig (0.7 to 17 bar)†	S

Regulator Diaphragm	Substitute
Non relieving	N
Relieving	R

** 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.
 † Units with 250 psig (17 bar) outlet pressure range are available only with the T-bar adjustment; therefore substitute **T** at the 7th position and **S** at the 12th position.
 †† Use remote fill only with 7 fluid oz. (0.2 liter) bowls.

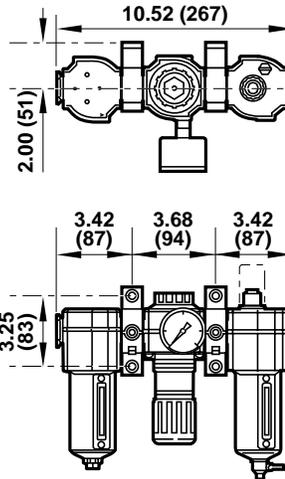


F74G-R74-L74 Combination Unit

All Dimensions in Inches (mm)

Standard Micro-Fog Type C74A- Standard Oil-Fog Type C74B-

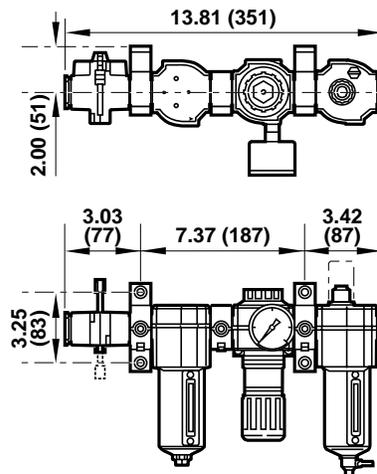
Shown with optional Quikclamp
wall bracket.



Alternative Micro-Fog Type D74A- Alternative Oil-Fog Type D74B-

Includes Shutoff/Lockout valve.

Shown with optional Quikclamp wall
brackets.

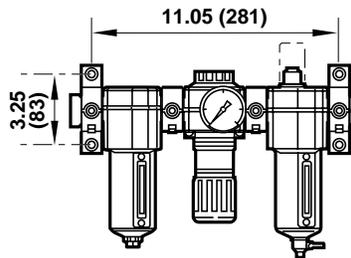
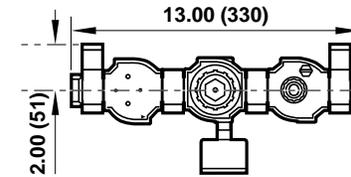


F74G-R74-L74 Combination Unit

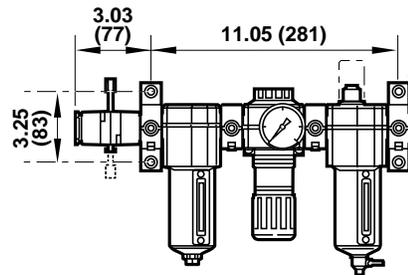
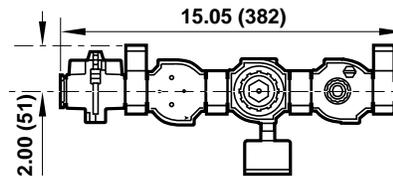
All Dimensions in Inches (mm)



**Alternative Micro-Fog Type E74A-
Alternative Oil-Fog Type E74B-
Includes Quikmount pipe adapters.**
Shown with optional Quikclamp wall
brackets.



**Alternative Micro-Fog Type G74A-
Alternative Oil-Fog Type G74B-
Includes Shutoff/Lockout valve
and Quikmount pipe adapter.**
Shown with optional Quikclamp wall
brackets.



P8A, P8B Combination Units

17 Series Filter-Regulator-Lubricator
3/4", 1", 1-1/4" and 1-1/2" Port Sizes

- Depth type, 40 µm filter element
- Balanced regulator valve minimizes effect of changes in inlet pressure on outlet pressure
- Low torque, non-rising regulator pressure adjusting knob
- All around (360°) visibility of the lubricator sight-feed dome simplifies installation and adjustment
- Lubricator flow sensor provides a nearly constant oil/air ratio over a wide range of air flows

Use Micro-Fog combinations in applications containing one or more points of lubrication

Use Oil-Fog combinations to lubricate a single tool, cylinder, or other air driven device



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).

Start point (minimum flow required for lubricator operation): 8 scfm (3.8 dm³/s) at 90 psig (6.3 bar) inlet pressure

Regulator gauge ports:

1/4" PTF with PTF main ports

R1/4 with ISO Rc, ISO G, and BSPP main ports

Nominal bowl size: 1 quart US (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

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

Recommended lubricants: See Section ALE-29.

Materials

Bodies, bowls, regulator bonnet: Aluminum

Bowl sight glass: Pyrex

Filter element: Sintered bronze

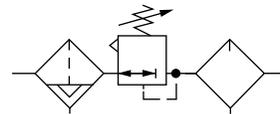
Regulator bottom plug: Acetal

Regulator valve: Aluminum and nylon

Lubricator sight-feed dome: Transparent nylon

Elastomers: Neoprene and nitrile

ISO Symbols



Filter with automatic drain, relieving regulator, lubricator with manual drain

See Section ALE-25 for Accessories



Ordering Information. Models listed have PTF port threads. Filters and lubricators have metal bowl with sight glass. Filters have 40 µm element and automatic drain. Lubricators have manual drain. Regulators are relieving type with gauge, knob adjustment, and outlet pressure adjustment range of 5 to 125 psig (0.3 to 8.5 bar)*.

Port Size	Micro-Fog Models	Oil-Fog Models	Weight lbs (kg)
3/4"	P8A-660-A3DA	P8B-660-A3DA	6.69 (3.03)
1"	P8A-860-A3DA	P8B-860-A3DA	6.29 (2.85)
1-1/4"	P8A-A60-A3DA	P8B-A60-A3DA	7.51 (3.41)
1-1/2"	P8A-B60-A3DA	P8B-B60-A3DA	6.88 (3.12)

* 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.

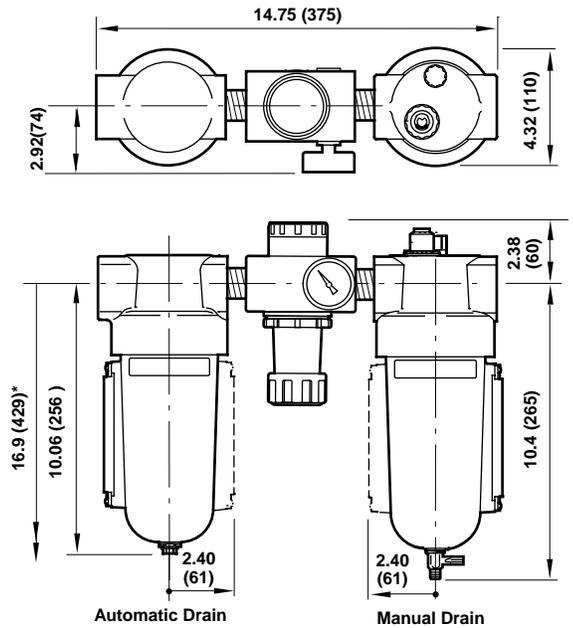
Alternative Models

★ 8 ★ - ★ ★ ★ - ★ ★ ★ ★

Regulator Adjustment	Substitute	Threads	Substitute
T-bar	H	PTF	A
Knob	P	ISO Rc taper	B
		BSP (1-1/2" ported units only)	C
		ISO G parallel (not available with 1-1/2" ported units)	G
Lubricator Type	Substitute	Lubricator Reservoir	Substitute
Micro-Fog	A	1 quart US (1 liter) metal, drain, sight glass	D
Oil-Fog	B		
Port Size	Substitute	Filter Element	Substitute
3/4"	6	40 µm	3
1"	8		
1-1/4"	A	Filter Drain	Substitute
1-1/2"	B	Automatic	A
		Manual	M

Filter Bowl	Outlet Pressure Adjustment Range*		Relief Type	Gauge	Substitute
	psig	bar			
Metal, sight glass	5 to 125	0.3 to 8.5	Relieving	With	60
Metal, sight glass	5 to 125	0.3 to 8.5	Relieving	Without	61
Metal, sight glass	5 to 125	0.3 to 8.5	Non relieving	Without	62
Metal, sight glass	5 to 125	0.3 to 8.5	Non relieving	With	63
Metal, sight glass	5 to 50	0.3 to 3.5	Relieving	Without	64
Metal, sight glass	5 to 50	0.3 to 3.5	Relieving	With	65
Metal, sight glass	5 to 50	0.3 to 3.5	Non relieving	Without	66
Metal, sight glass	5 to 50	0.3 to 3.5	Non relieving	With	67
Metal, sight glass	10 to 250	0.7 to 17	Relieving	Without	76
Metal, sight glass	10 to 250	0.7 to 17	Relieving	With	77
Metal, sight glass	10 to 250	0.7 to 17	Non relieving	Without	76
Metal, sight glass	10 to 250	0.7 to 17	Non relieving	With	79

All Dimensions in Inches (mm)



Service Kits

Item	Type	Part Number
Lubricator service kit	All o-rings, seals, gaskets	5771-02
Filter service kit	All o-rings, seals, gaskets	5578-05
	40 µm element	5311-03
Replacement drain	Automatic	3000-10
Sight glass kit *	Pyrex	2273-22
Regulator service kit **	Relieving	5578-02
	Non relieving	5578-01
Replacement drain	1/4 Turn	619-50

* Sight glass kit contains bowl o-ring plus all o-rings, seals, screws, glass, and glass guard.
 ** Regulator service kit contains, diaphragm, all o-rings, valve, and valve spring.

* Minimum clearance required to remove bowl.

- **Olympian Plus plug in design**
- **High Efficiency water and particle removal**
- **Quick release bayonet bowls**
- **High visibility prismatic sight glass**
- **Push to lock adjusting knob with tamper resistant option**
- **Constant oil density output with varying flow**



Technical Data

Fluid: Compressed air

Maximum pressure:

Transparent bowl: 150 psig (10 bar)

Metal bowl: 250 psig (17 bar)

Operating temperature*:

Transparent bowl: 0° to 125°F (-20° to 50°C)

Metal bowl: 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 µm, 25 µm, or 40 µm filter element

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

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:

Standard: 7 fluid ounce (0.2 liter)

Optional size for lubricator: 1 quart (1 liter)

Gauge Ports:

1/4" PTF with PTF main ports

Rc 1/8 with ISO Rc main ports

Rc 1/8 with ISO G main ports

Recommended lubricants: See Section ALE-29.

Materials

Body and yoke: Zinc

Bonnet: Aluminum

Regulator valve: Brass

Bowl:

Transparent: Polycarbonate

Metal: Aluminum

Metal bowl liquid level indicator lens:

7 fluid ounce (0.2 liter): Transparent nylon

1 quart (1 liter): Pyrex

Sight-Feed dome: Polycarbonate

Element: Sintered polypropylene

Elastomers: Neoprene and nitrile

See Section ALE-25 for Accessories



Ordering information. Models listed include Micro-Fog lubricator, yoke with PTF threads, knob adjustment, filter with auto drain, metal bowl with liquid level indicator, 40 µm element; regulator with relieving diaphragm, 10 bar (150 psig) regulating spring, gauge; lubricator with 1/4 turn manual drain, 7 fluid ounce (0.2 liter) metal bowl with liquid level indicator.

Combination Unit Type	Port Size	Model	Weight lb (kg)
Filter-Regulator-Lubricator (F-R-L)	1/4"	C64A-2AK-AD3-RMG-QDN	10.2 (4.61)
	3/8"	C64A-3AK-AD3-RMG-QDN	9.7 (4.42)
	1/2"	C64A-4AK-AD3-RMG-QDN	9.6 (4.35)
	3/4"	C64A-6AK-AD3-RMG-QDN	8.8 (3.97)

Alternative Models



Lockout Valve	Substitute
No lockout valve	C
With lockout valve on inlet	D

Combination Unit Type	Substitute
Standard Micro-Fog F-R-L	A
Standard Oil-Fog F-R-L	B

Port Size	Substitute
1/4"	2
3/8"	3
1/2"	4
3/4"	6

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

Pressure Adjustment	Substitute
Knob	K
T-bar	T

Filter Drain	Substitute
Automatic	A
Manual, petcock	D
Manual, 1/4 turn	Q

Filter Bowl	Substitute
Metal with liquid level indicator	D
Metal, no liquid level indicator	M
Transparent with guard	P
Metal with pyrex liquid level indicator	R

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

Accessories	Substitute
B and D	A
Wall brackets	B
B and Q	C
Filter service indicator	D
B and L *	F
B, D, and Q	H
B, D, and L	K
Lubricator low oil level switch *	L
No accessories	N
Lubricator quick fill cap	Q

Lubricator Bowl	Substitute
1 quart (1 liter) metal with pyrex liquid level indicator	A
7 fluid oz. (0.2 liter) metal with plastic liquid level indicator	D
7 fluid oz. (0.2 liter) metal without liquid level indicator	M
7 fluid oz. (0.2 liter) transparent with guard	P
7 fluid oz. (0.2 liter) metal with pyrex liquid level indicator	R

Lubricator Drain	Substitute
Manual, petcock	D
Closed bottom	E
Manual, 1/4 turn	Q
Remote fill ††	R

Regulator Gauge	Substitute
With gauge	G
No gauge	N

Regulation spring **	Substitute
5 to 60 psig (0.3 to 4 bar)	F
5 to 150 psig (0.3 to 10 bar)	M
10 to 250 psig (0.7 to 17 bar)†	S

Regulator Diaphragm	Substitute
Non relieving	N
Relieving	R

* Lubricator low oil level switch available only with 1 quart (1 liter) bowl.

** 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.

† Regulator with 250 psig (17 bar) regulating spring available only the T-bar adjustment .

†† Lubricator with remote fill available only with 7 fluid oz. (0.2 liter) bowls.



64 Series F-R-L Combination Unit

All Dimensions in Inches (mm)

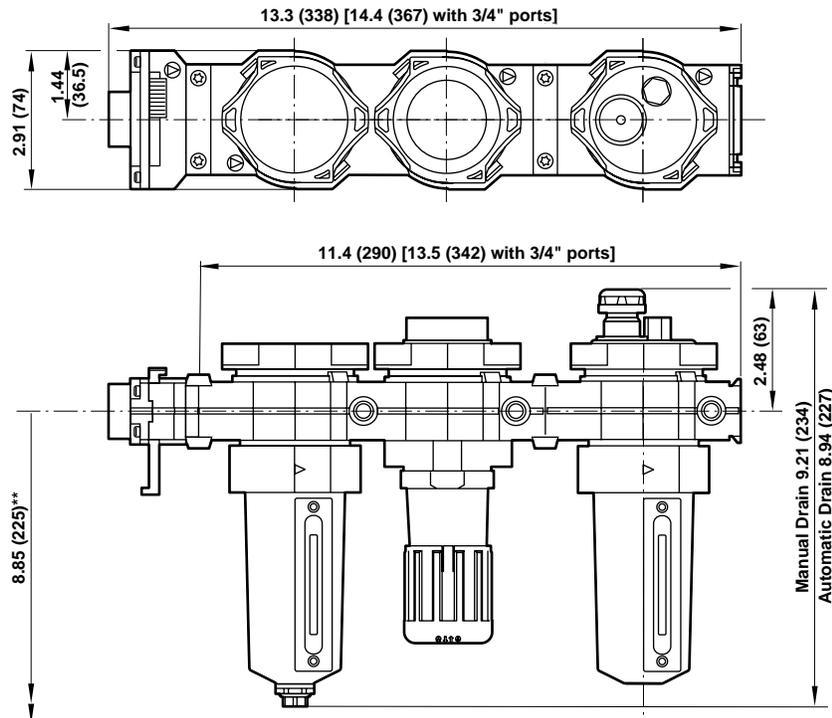
Service Kits

Item	Type	Part number
Service kit	Filter	4380-200
Service kit	Relieving Regulator	4381-200
Service kit	Non-relieving Regulator	4381-201
Service kit	Lubricator	4382-200
Replacement elements	40 µm	4338-02
	5 µm	4338-01
Replacement sight glass	B64, plastic	4380-040
	L64, plastic	4380-042
	B64 & L64, pyrex	4380-041
	L64, 1 quart, pyrex	2273-22
Replacement drains	Automatic	3000-10
	Manual, 1/4 turn	619-50
Filter service indicator		5797-50

Filter service kit includes port seals, louver 'O' ring, bowl 'O' ring and drain gasket.

Regulator service kit includes port and bottom plug, 'O' rings, valve assembly, valve spring and diaphragm.

Lubricator service kit includes all seals, flow sensor, eyelet, dome screen, ball and spring.



**Minimum clearance required to remove bowl.