

Inline Micro-Fog and Oil Fog Lubricators

L07, and L17 Lubricators

All around (360°) visibility of the sight-feed dome simplifies installation and adjustment

Screw-on bowl reduces maintenance time

Can be disassembled without the use of tools or removal from the air line

Technical data

L07

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)

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)

Drain connection:

Will fit 1/8-27 and 1/8-28 pipe thread

Materials

Body: Zinc

Bowl

Transparent: Polycarbonate

Metal: Zinc

Sight-feed dome: Transparent nylon

Elastomers: Neoprene & nitrile

L17

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).



L07



L17

Ordering Information

Models listed have PTF threads.

Port Size	Model Numbers	Flow scfm (dm ³ /s)*	Weight lbs (kg)
1/8"	L07-100-MPAA	10 (5.0 dm ³ /s)	0.28 (0.13)
1/4"	L07-200-MPAA	14 (6.7 dm ³ /s)	0.28 (0.13)

Port Size†	Micro-Fog Models**	Oil-Fog Models**	Flow scfm (dm ³ /s)††	Weight lbs (kg)
3/4"	L17-600-MPDA	L17-600-OPDA	160 (76)	3.73 (1.69)
1"	L17-800-MPDA	L17-800-OPDA	275 (130)	3.56 (1.62)
1-1/4"	L17-A00-MPDA	L17-A00-OPDA	275 (130)	4.65 (2.11)
1-1/2"	L17-B00-MPDA	L17-B00-OPDA	275 (130)	3.67 (1.67)

* Approximate flow at 90 psig (6.3 bar) inlet pressure and 7 psig (0.5 bar) pressure drop.

** Models listed in the order table must not be located downstream of frequently cycling directional control valves. Order the optional bi-directional Oil-Fog Lubricator for use under such conditions.

† Smaller port sizes available upon request.

†† Typical flow with 90 psig (6.3 bar) inlet pressure and a pressure drop of 5 psig (0.35 bar).

Start point (minimum flow required for lubricator operation):

8 scfm (3.8 dm³/s) at 90 psig (6.3 bar) inlet pressure

1" ports: 275 scfm (130 dm³/s)

Nominal reservoir size

Standard: 1 quart US (1 liter)

Optional: 2 gallon US (8 liter)**

5 gallon US (20 liter)

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

Materials

Body: Aluminum

Reservoir:

1 quart US (1 liter): Aluminum

2 and 5 gal: Steel**

Reservoir sight glass: Pyrex

Sight-feed dome

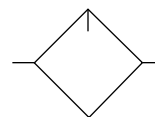
Standard: Transparent nylon

Optional: Pyrex and aluminum

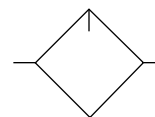
Elastomers: Neoprene and nitrile

** The 2 and 5 gallon (8 and 20 liter) steel reservoirs are ASME rated according to the ASME Pressure Vessel Code, Section VIII

ISO Symbols



L07 with drain

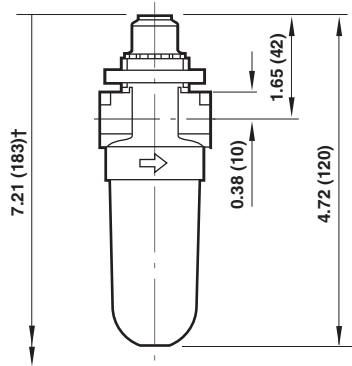
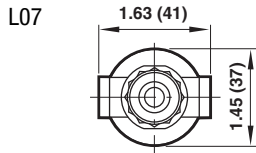


L17 manual drain

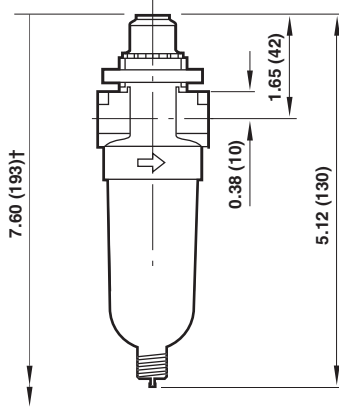
Inline Micro-Fog and Oil-Fog Lubricators

L07, L17, 10-028, and 10-076 Lubricators

Dimensions in inches (mm)



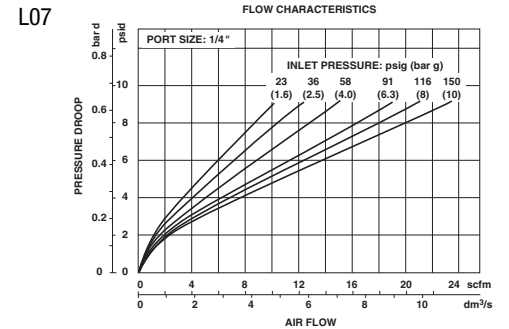
Without Drain



Manual Drain

Panel mounting hole diameter: 1.9" (30 mm)
 Maximum panel thickness: 0.25" (6 mm)
 † Minimum clearance to remove bowl.

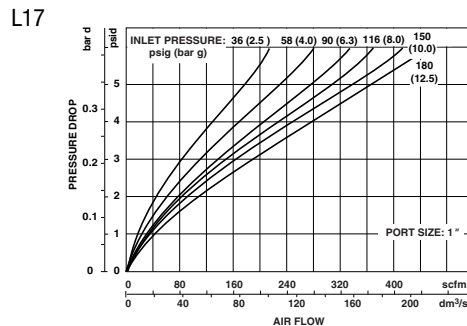
Typical Performance Characteristics



L07 Service Kits

Item	Type	Part number
Service kit	Seal and o-ring	3795-03
Replacement drain	Manual	773-03

Service kit includes o-ring, seal, and bowl o-ring.

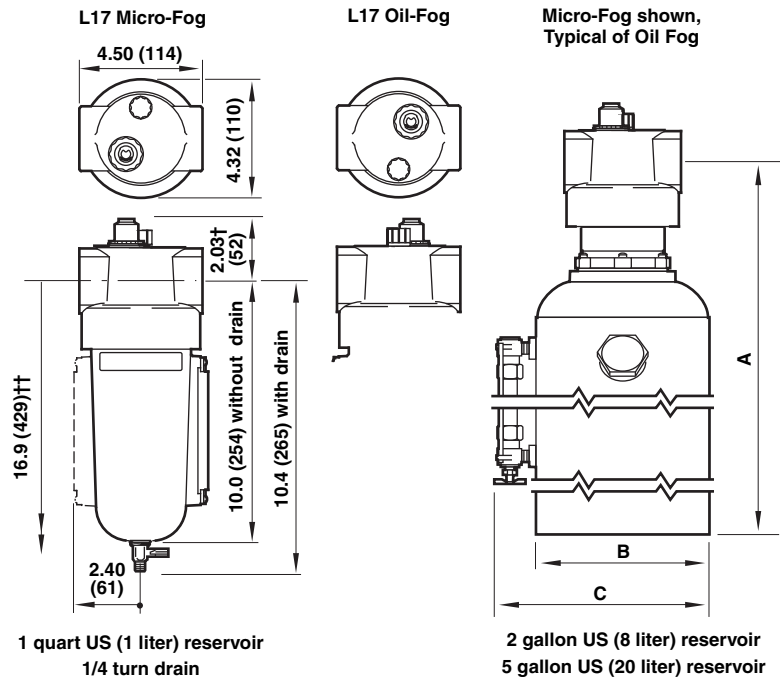


Reservoir	A	B	C
2 gallon US (8 liter)	21.2 (538)	6.25 (159)	7.44 (189)
5 gallon US (20 liter)	24.2 (614)	10.3 (260)	11.4 (291)

L17 Service Kits

Item	Type	Part Number
Service kit	Oil-Fog and Micro-Fog	5771-02
Reservoir sight glass kit	1 quart US (1 liter)	2273-22
	2/5 gallon US (8/20 liter)	2274-01
Replacement drain	1/4 Turn	619-50

Service kit 5771-02 includes o-rings, seals and gaskets.
 Reservoir sight glass kits, include all o-rings, seals, glass, guard, and sight glass hardware.



† Standard dome: 2.03" (52 mm) Pyrex dome: 2.72" (69 mm)

†† Minimum clearance required to remove bowl.

Inline Oil-Fog Lubricators

10-028, and 10-076 Lubricators

1-1/2" and 2" port sizes

Designed to lubricate a single tool, valve, cylinder, air motor, or other air driven device.

One Oil-Fog lubricator should be provided for each device requiring lubrication

All around (360°) visibility of the sight-feed dome simplifies installation and adjustment

The 2 and 5 U.S. gallon (8 and 20 liter) reservoirs are rated to ASME Pressure Vessel Code, Section VIII



10-076

Technical data

10-028

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) at 90 psig (6.3 bar) inlet pressure: 103 scfm (49 dm³/s)

Typical flow at 90 psig (6.3 bar) inlet pressure and 5 psig (0.35 bar) pressure drop: 568 scfm (268 dm³/s)

Nominal reservoir sizes:

1 quart (1 liter)

2 U.S. gallon (8 liter)

5 U.S. gallon (20 liter)

Materials

Body: Aluminum

Reservoir: Steel

Reservoir liquid level indicator lens:

Pyrex

Sight-feed dome

Standard: Transparent nylon

Optional: Pyrex and aluminum

Elastomers: Neoprene and Nitrile

10-076

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).

Ordering Information

Models listed have PTF threads.

Model Number	Reservoir Nominal Size	Reservoir Working Capacity Fluid Ounce (Liter)	Recommended Operating Flow Range scfm (dm ³ /s)	Weight lbs (kg)
10-028-545	1 quart (1 liter)**	19 (0.56)	110 to 590 (52 to 278)	5 (0.91)
10-028-047	2 U.S. gallon (8 liter)	113 (3.34)	110 to 590 (52 to 278)	16 (7.26)
10-028-048	5 U.S. gallon (20 liter)	316 (9.34)	110 to 590 (52 to 278)	28 (12.70)

Model Number	Reservoir Nominal Size	Reservoir Working Capacity Fluid Ounce (Liter)	Recommended Operating Flow Range scfm (dm ³ /s)†	Weight lbs (kg)
10-076-004	2 U.S. gallon (8 liter)	113 (3.34)	250 to 1000 (118 to 472)	19 (8.6)
10-076-005	5 U.S. gallon (20 liter)	316 (9.34)	250 to 1000 (118 to 472)	32 (14.5)

* Models listed in the order table must not be located downstream of frequently cycling directional control valves. Order the optional bi-directional Oil-Fog Lubricator for use under such conditions.

** Models with 1 quart reservoirs must not be located downstream of frequently cycling directional control valves. Models with the 2 and 5 gallon reservoirs may be located downstream of frequently cycling directional control valves.

† At 100 psig (6.9 bar) inlet pressure drop of 5 psid (0.35 bar)

Start point (minimum flow required for lubricator operation) at 90 psig (6.3 bar) inlet pressure: 240 scfm (123 dm³/s)

Typical flow with 90 psig (6.3 bar) inlet pressure and 5 psig (0.35 bar) pressure drop: 1300 scfm (614 dm³/s)

Nominal reservoir sizes:

2 U.S. gallon (8 liter)

5 U.S. gallon (20 liter)

Materials

Body and adapter: Aluminum

Reservoir: Steel

Reservoir liquid level indicator lens:

Pyrex

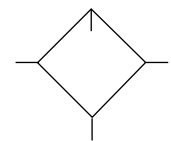
Sight-feed dome

Standard: Transparent nylon

Optional: Pyrex and aluminum

Elastomers: Nitrile

ISO Symbol



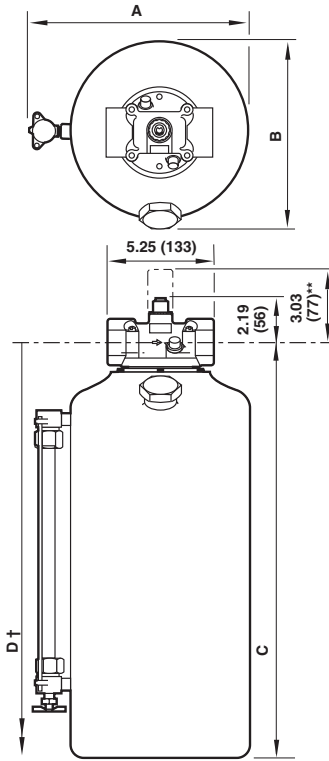
With Drain

Inline Oil-Fog Lubricators

10-028, and 10-076 Lubricators

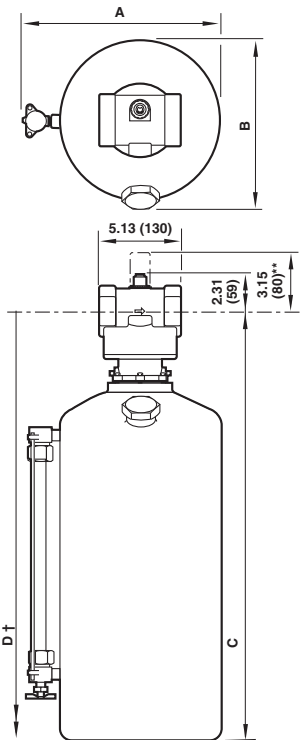
1-1/2" and 2" port sizes

Dimensions in inches (mm)



2 and 5 gallon (8 and 20 liter) reservoir

Reservoir	A	B	C	D
1 quart (1 liter)	4.72 (120)	4.06 (103)	8.27 (210)	15 (376)
2 gallon (8 liter)	7.81 (198)	7.18 (182)	18.34 (466)	32 (813)
5 gallon (20 liter)	11.81 (300)	11.18 (284)	21.59 (548)	37 (940)



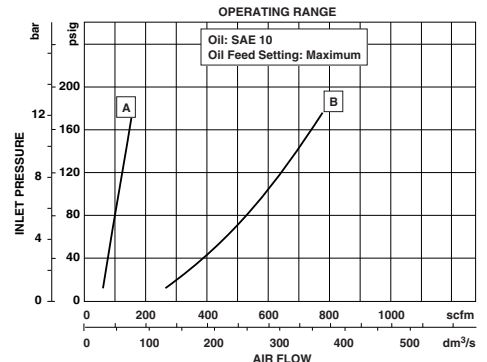
2 and 5 gallon (8 and 20 liter) reservoir

** Optional pyrex sight-feed dome.
† Minimum clearance required to remove bowl.

Reservoir	A	B	C	D
2 gallon (8 liter)	7.81 (198)	7.18 (182)	21.53 (547)	35 (887)
5 gallon (20 liter)	11.81 (300)	11.18 (284)	24.78 (629)	40 (1014)

10-028

Typical Performance Characteristics



A: Minimum flow based on oil drip rate of 5 drops per minute.
B: Maximum flow based on pressure drop of 5 psid (0.35 bar).

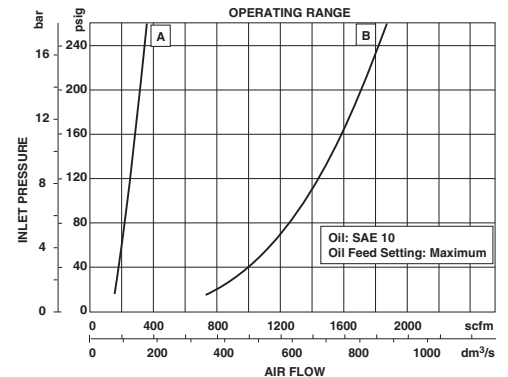
10-028 Service Kits

Item	Type	Part Number
Liquid level lens kit	1 quart reservoir	2273-22
	2 and 5 gallon reservoir	2274-01
Replacement drain	Manual petcock	684-01

Liquid level lens kit include sight glass, sight glass guards, seals, and hardware.

10-076

Typical Performance Characteristics



A: Minimum flow based on oil drip rate of 5 drops per minute.
B: Maximum flow based on pressure drop of 5 psid (0.35 bar).

10-076 Service Kits

Item	Type	Part Number
Liquid level lens kit	8 and 20 liter reservoir	2274-01
Replacement drain	Manual petcock	684-01
Seal kit	Models after 2000	3035-06
Seal kit	Models prior 2000	3035-02

Reservoir sight glass kits include sight glass, sight glass guards, seals, and hardware.