

EXCELON®72
Micro-Fog and Oil-Fog Lubricator
1/4", 3/8" Port Sizes

- EXCELON design allows in-line or modular installation
- Quick release bayonet bowl
- Flow sensor provides a constant oil/air ratio over a wide range of flows
- Highly visible, prismatic liquid level indicator lens on metal bowls
- All round (360°) visibility of sight-feed dome for ease of drip rate setting
- Modular installations with EXCELON 72, 73, and 74 series can be made to suit particular applications

Use Micro-Fog models in applications with 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: 10 bar (150 psig)

Metal bowl: 17 bar (250 psig)

Operating temperature*:

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

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

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

Start point (i.e. minimum flow required for lubricator operation) at

6,3 bar (90 psig) inlet pressure:

Micro-Fog: 0,94 dm³/s (2.0 scfm)

Oil-Fog: 0,47 dm³/s (1.0 scfm)

Typical flow at 6,3 bar (90 psig) inlet pressure and 0,5 bar

(7 psig) pressure drop: 24 dm³/s (51 scfm)

Nominal reservoir capacity:

Short bowl: 56 ml (1.9 fluid ounce)

Long bowl: 65 ml (2.2 fluid ounce)

Manual drain connection: 7/16-24 UNS male for 1/4" tube nut and ferrule

Recommended lubricants: See page N/AL.8.900.935

Materials:

Body: Zinc

Reservoir:

Transparent: Polycarbonate

Guard for transparent reservoir: Zinc

Metal: Zinc

Metal reservoir liquid level indicator lens:

Transparent nylon

Sight-feed dome: Transparent nylon

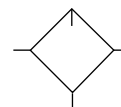
Elastomers: Neoprene, nitrile, and Geolast®



Ordering Information

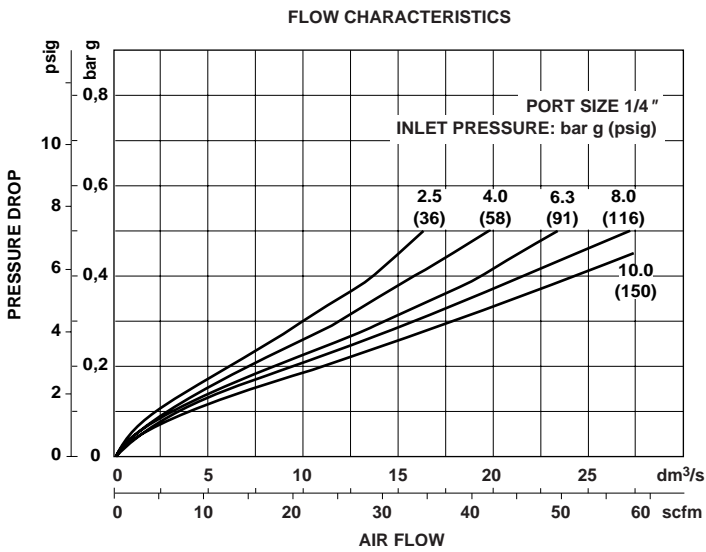
See *Ordering Information* on the following pages.

ISO Symbol





Typical Performance Characteristics



Ordering Information. Models listed include ISO G threads and transparent bowl without guard.

Type	Port Size	Model	Weight kg (lb)
Micro-Fog	G1/4	L72M-2GP-ETN	0,49 (1.08)
	G3/8	L72M-3GP-ETN	0,49 (1.08)

Alternative Models

L 7 2 ★ - ★ ★ P - ★ ★ ★

Type	Substitute
Oil-Fog	C
Micro-Fog	M

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

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

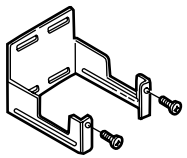
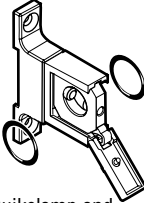

Options	Substitute
None	N
Pyrex dome	P†

Bowl	Substitute
Metal with liquid level indicator	D
Metal with Pyrex sight glass	R
Transparent without guard	T
Long transparent without guard	L
Long transparent with guard	W

Drain	Substitute
Closed bottom bowl	E
1/4 turn manual	Q

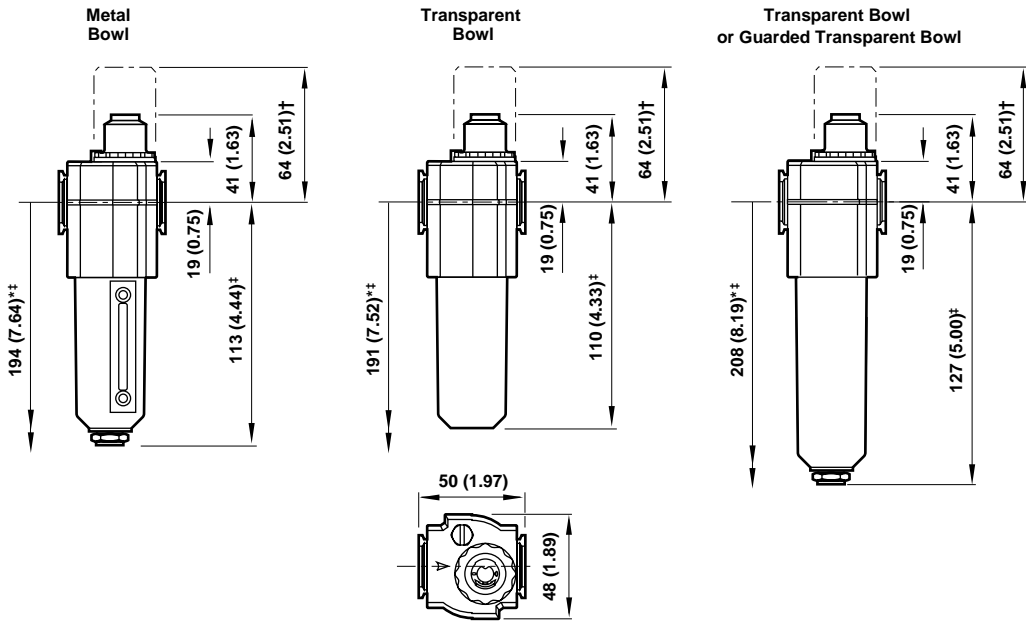
† For use with metal bowl with Pyrex sight glass

Accessories

		
Wall Mounting Bracket	Quikclamp and Quikclamp Wall Bracket	Tamper Resistant Snap-on Cap for Standard Sight-Feed Dome
4224-50	4214-52	4050-89



Dimensions mm (inches)

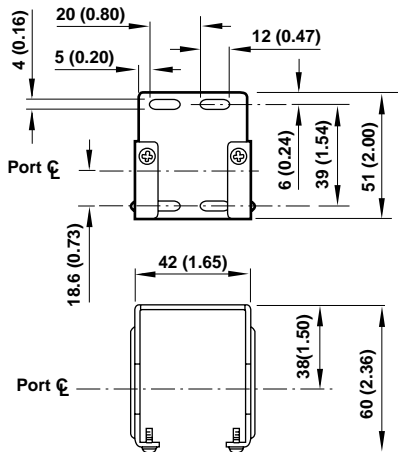


- * Minimum clearance required to remove bowl.
- † Optional pyrex sight-feed dome.
- ‡ For 1/4 turn manual drain add 24 mm (0.94") on transparent bowl, 21 mm (0.83") on metal bowl and long transparent bowl.

Bracket Mounting

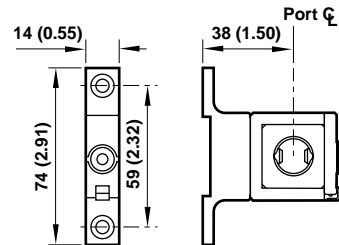
Wall Bracket

Use 4 mm (5/32") screws to mount bracket to wall.



Quikclamp and Quikclamp Wall Bracket

Use 5 mm (3/16") screws to mount bracket to wall.



Bracket Kit Reference

Item	Part Number
Wall Bracket	4224-50
Quikclamp and Quikclamp Wall Bracket	4214-52

Service Kits

Item	Type	Part Number
Service kit	Seal and gasket	4382-500
Liquid level lens kit	Prismatic	4380-030
Replacement drains	1/4 turn manual	619-50

Service kit includes plug o-ring, sight-feed dome seal, manual drain o-ring and bowl o-ring.



Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under "Technical Data".

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

Water vapor will pass through these units and will condense into liquid if air temperature drops in the downstream system. Install an air dryer if water condensation could have a detrimental effect on the application.