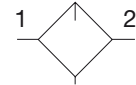


Global Air Preparation System

Mini Lubricator - P31



Symbol



Lubricator with drain

- Integral 1/4" ports (NPT, BSPP & BSPT)
- Robust but lightweight aluminum construction
- Proportional oil delivery over a wide range of air flows
- Finger tip ratchet control for precise oil drip rate adjustment

Options:

P31LB		9	2	L	G	N	N
Basic series		Thread type		Port size		Mounting	
Global modular mini lubricator P31LB		BSPP 1		1/4 2		N No bracket	
		BSPT 2				Drain type	
		NPT 9				N No drain closed end	
				Lube type		Bowl type	
				Oil mist standard sight dome L		G Poly bowl with bowl guard	
						M Metal bowl without sight gauge	

Bold items are most common.

Port size	Description	Flow [‡] dm ³ /s (scfm)	Max. bar (psig)	Height mm (inches)	Width mm (inches)	Depth mm (inches)	Part number [†]
1/4"	Poly bowl - No drain	19 (40)	10 (150)	153.3 (6.04)	40 (1.58)	40 (1.58)	P31LB92LGNN
1/4"	Metal bowl - No drain	19 (40)	17 (250)	153.3 (6.04)	40 (1.58)	40 (1.58)	P31LB92LMNN

[†] Standard part numbers shown in bold. For other models refer to Options chart above.

[‡] Flow with 6.3 bar (91.3 psig) inlet pressure and 0.34 bar (4.9 psig) pressure drop.

Global Air Preparation System

Specifications

Flow capacity*	1/4	19 dm ³ /s (40 scfm)
Operating temperature	Plastic bowl	-10°C to 52°C (14°F to 125°F)
	Metal bowl	-10°C to 65.5°C (14°F to 150°F)
Max. supply pressure	Plastic bowl	10 bar (150 psig)
	Metal bowl	17 bar (250 psig)
Useful retention		18 cm ³ (0.6 US oz.)
Port size	BSPP / BSPT / NPT	1/4
Weight		0.13 kg (0.29 lbs)

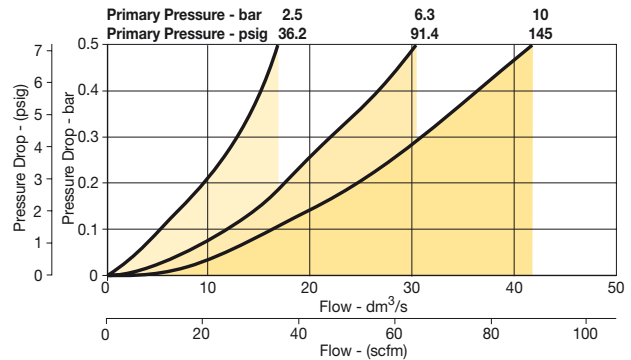
* Inlet pressure 6.3 bar (91.3 psig). Pressure drop 0.34 bar (4.9 psig).

Material Specifications

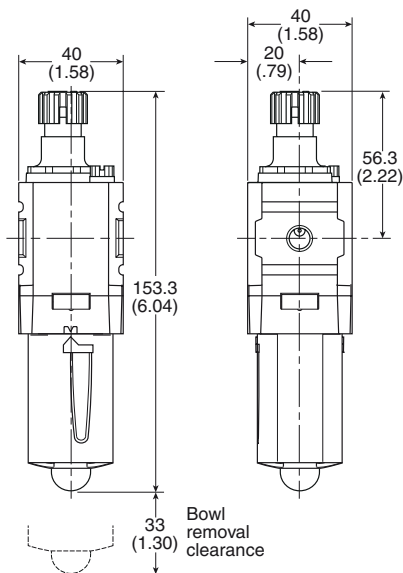
Body	Aluminum	
Body cap	ABS	
Bowl	Plastic bowl	Polycarbonate
	Metal bowl	Aluminum
Seals	Nitrile	
Sight dome	Polycarbonate	
Suggested lubricant	ISO / ASTM VG32	
Pick-up filter	Sintered bronze	

Flow Charts

P31LB 1/4" Lubricator



Dimensions mm (inches)



Repair and Service Kits

Plastic bowl / Bowl guard no drain	P31KB00BGN
Metal bowl / w/o sight gauge no drain	P31KB00BMN
Drip control assembly	P32KA00PG
Fill plug	P31KA00PL
C-bracket (fits to body)	P31KA00MW
T-bracket with body connector	P31KA00MT
Body connector	P31KA00CB

Suggested Lubricant F442 Oil

Petroleum based oil of 100 to 200 SUS viscosity at 38°C (100°F) and an aniline point greater than 93°C (200°F)
 (DO NOT USE OILS WITH ADDITIVES, COMPOUNDED OILS CONTAINING SOLVENTS, GRAPHITE, DETERGENTS, OR SYNTHETIC OILS.)

