



AIR PREPARATION UNITS

LUBRICATOR Series L3

Cat No L3 - 01 - 01 - A

LUBRICATOR - G1/4" & G1/2"

Features

- ☐ Conforms to ISO 6301-1
- ☐ Fine adjustment of lubrication
- ☐ Lubrication proportional to flow
- ☐ Mist type
- ☐ Quick and easy oil top-up even during operation (under pressure)
- ☐ Quick release bayonet bowl guard
- ☐ High flow rate
- ☐ Suitable for Modular mounting
- ☐ Clean design



Function

A pneumatic lubricator supplies stream of oil to an airline to the internal working parts of pneumatic tool and other devices such as cylinders, valves and etc.,

Compressed air enters the inlet port, pressure drop occurs when air flow through a venturi nozzle in stem assembly which pressurise the oil inside the bowl. Oil stored in the bowl is pulled up by capillary effect and it reaches the needle, oil drops from there through oil drop controller to the outlet port. The amount of oil can be adjusted by needle, turning the needle clockwise direction reduces the oil drop and counter clockwise direction increase the oil drop.

Technical Specifications

Model	L33....	L35....
Medium	Compressed air - Filtered	
Port size	G1/4	G1/2
Flow rate @ (lts/min)	950	4000
Operating pressure range (bar)	0.5 to 10	
Ambient temperature (C)	-10° to +50°	
Medium temperature (C)	+5° to +50°	
Minimum operating flow (lts/min)	40	75
Bowl capacity (at maximum oil level) (ml)	30	65
Recommended oil	ISO VG 32 (Servo System 32)	
Bowl material	Polycarbonate	
Bowl guard material	Plastic	
Installation	Vertical (as in the picture)	
Materials of construction	Die cast Aluminium, Brass, Steel, Polycarbonate, Nitrile, Polyamide, Stainless steel, Acetal	
Optional accessories *	Clamp, Modular mounting kit	
Weight (kg)	0.19	0.595

@ - Supply pressure 6.3 bar, Pressure drop $\Delta p = 0.32$ bar as per ISO standard (For standard models)

* - For details refer optional accessories Cat No APA- 01 - 05 - A

Precautions

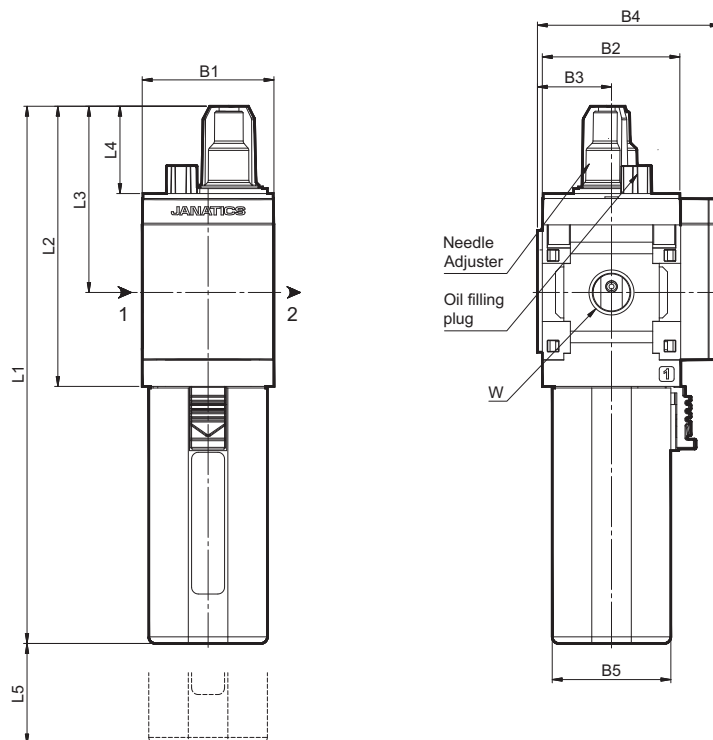
- Note the direction of flow before installation and connect piping accordingly.
- Flush pipings for dirt, dust, rust and other foreign particles.
- Install in clean atmosphere.
- Nipples of taper threads (R) to be used with teflon tape. Ensure teflon tape does not enter the unit during tightening. Nipples of straight threads (G) to be used with sealing washer.
- Polycarbonate bowls may get damaged and possibly fail if exposed to synthetic oils, thinner, solvents, trichloroethylene, kerosene or other aromatic hydrocarbons.

AIR PREPARATION UNITS

LUBRICATOR Series L3

Cat No L3 - 01 - 01 - A

Model L33... & L35...

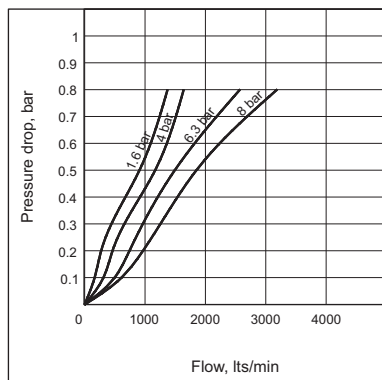


Model	W	B1	B2	B3	B4	B5	L1	L2	L3	L4	L5
L33....	G1/4	40	42	22.5	55.5	SQ 36	163	85	56.5	26.5	35
L35....	G1/2	62	62	33	77.5	SQ 56	221	114.5	70.5	25	50

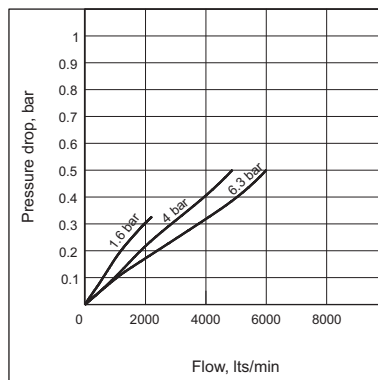
For Details of Clamp see optional accessories Cat No APA - 01 - 05 - A

Flow Graph

1/4" LUBRICATOR



1/2" LUBRICATOR



AIR PREPARATION UNITS

LUBRICATOR Series L3

Cat No L3 - 01 - 01 - A

Warning

1. Bowl, Oil drop indicator and Oil drop controller are made of polycarbonate material and it cannot be used in environments containing, thinner, petrol, kerosene, synthetic oil or any other harmful chemicals.
2. Regularly monitor the bowl, oil drop controller and Indicator. If any cracks or damage, it must be replaced with new one.
3. a. Oil filling method through oil filling plug.
Oil can be filled under pressure, however it is recommended to close the needle fully when the outlet port is blocked condition. If the outlet port is connected to system, no need to close the needle.
- b. Oil filling method through bowl.
Oil can be filled under pressure, however it is recommended to close the needle fully and remove the oil filling plug when the outlet port is blocked condition. This is required to depressurise the unit.
If the outlet port is connected to system, no need to close the needle and no need to release the oil filling plug.
- c. Oil can be filled directly through oil filling plug (or) Bowl if the inlet air is blocked condition.

Cautions

1. Flush and wash pipes to be used. Dirt or foreign materials in piping will lower product performance.
2. Do not overfill the reservoir. Fill upto "MAX. OIL LEVEL".
3. If the working air rate is low for the lubricator, oil may not drip. Check the minimum air rate required for dripping oil.
4. Periodically replenish oil in the lubricator bowl so that it does not drop below the lower limit.
5. Use proper tool (1) to adjust the Needle. Recommended tightening torque: 0.5 Nm max. (fig.1).
6. Recommended tightening torque for oil filling plug (3) and oil drop indicator (2) is 1 Nm max. (fig.1).

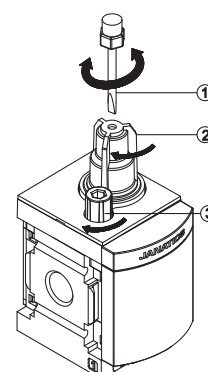


Fig.1

How to order

L3	361	—	
Body & Port size		Accessories	
361	1/4" & G1/4	Nil	without clamp
563	1/2" & G1/2	C2	with clamp (Standard)

Ordering example:

Lubricator - 1/4 size (with G1/4 port) with Clamp - Ordering No: **L3361-C2**

If ordered as 1/4 Lubricator, our standard model **L3361** will be supplied.