Series AL30 to 60 Lubricator

How to Order

AL 30 – F 03 -A

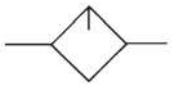
Body size

30	40	50	60

Port size

Symbol	Port size	Body size 30	40	50	60
01	1/8	—	—	—	—
02	1/4	◆	—	—	—
03	3/8	◆	◆	—	—
04	1/2	—	◆	—	—
06	3/4	—	—	◆	—
10	1	—	—	—	◆

JIS Symbol



Standard Specifications

Model	AL30	AL40	AL50	AL60
Port size	G1/4, 3/8	3/8, 1/2	3/4, 1	1
Fluid	Air			
Proof pressure	1.5 MPa			
Maximum operating pressure	1.0 MPa			
Minimum dripping flow rate (ℓ/min (ANR)) Note)	1/4: 30 3/8: 40	1/4: 30 3/8: 40 1/2: 50	190	220
Oil capacity (cm^3)	55	135	135	135
Recommended lubricant	Class 1 turbine oil (ISO VG32)			
Ambient and fluid temperature	–5 to 60°C (With no freezing)			
Bowl material	Polycarbonate			
Bowl guard				
Weight (kg)	0.24	0.47	1.06	1.13

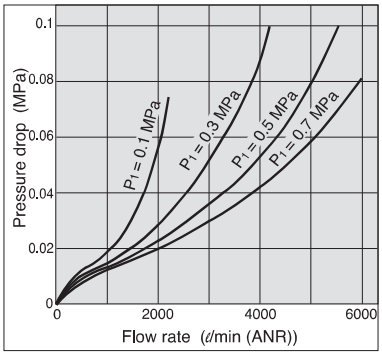
Note1)•The flow rate is 5 drips/min under the following conditions: Inlet pressure of 0.5 MPa; Class 1 turbine oil (ISO VG32); Temperature at 20°C; Oil adjustment valve fully open.
•Use air consumption flow rate for minimum dripping flow rate.

Series AL30 to 60 Lubricator

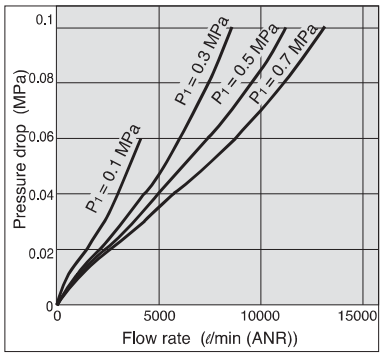
Flow Characteristics (Representative values)

Condition: Inlet pressure 0.7 MPa

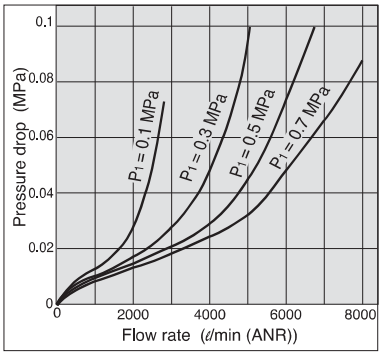
AL30 G 3/8



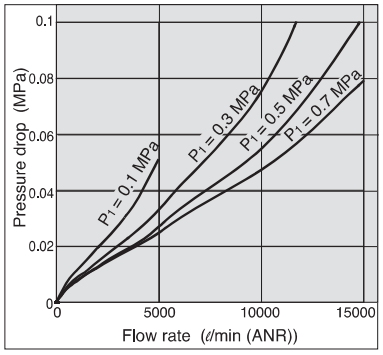
AL50 G 1



AL40 G 1/2



AL60 G 1



Selection

⚠ Warning

1. Do not introduce air from the outlet side as this can damage the damper.

⚠ Caution

1. Use a check valve (Series AKM) to prevent back flow of the lubricant when redirecting the air flow before the lubricator.

Maintenance

⚠ Caution

1. Check the dripping amount once a day. Drip failure can cause damage to the components that need lubrication.

Large Flow Lubricator Series AL800/900

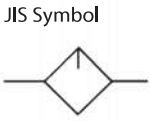
Individual lubrication
Large flow type



AL800

AL900

JIS Symbol



Standard Specifications

Model		AL800	AL900
Port size G		1 1/4 1 1/2	2
Fluid		Air	
Proof pressure		1.5 MPa	
Max. operating pressure		1.0 MPa	
Min. operating flow (ℓ/min (ANR)) Note)		1 1/4: 460 1 1/2: 650	1800
Bowl capacity (cm 3)		440	
Recommended lubricant		Turbine oil Class 1 (With no additives), ISO VG32	
Ambient and fluid temperature		–5 to 60 °C (No freezing)	
Bowl material		Polycarbonate	
Weight (kg)		1.62	1.67
Accessory (Standard)	Bowl guard	●	●

Note) •Conditions: Inlet pressure = 0.5 MPa, Number of drop = 5 drops/min, Turbine oil Class 1 (with no additives) ISO VG32, Temperature = 20 °C, Needle fully open
•Use consumption air flow for operating minimum flow.

How to Order

* AL [80] 0 — [N] [12]

Thread Type

Nil	PT
N	NPT

Note) Thread type per plant specification.

Body size

80	1 1/2 & 1 1/2
90	2

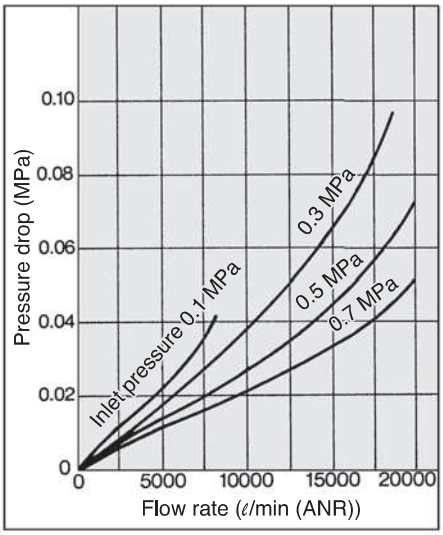
Port size

12	1 1/4
14	1 1/2
20	2

Large Flow Type Lubricator Series AL800/900

Flow Characteristics

G1/4



G 2

