

Lubricator

Series AL10 to 60

How to Order

AL 30 - F 03 B - 2R

Lubricator → Body size → Thread type → Port size → Option

Body size
10 20 30 40 50 60

Thread type

Nil	Metric thread (M5)
N	Rc
F	NPT
	G

Port size

Symbol	Port size	Body size					
		10	20	30	40	50	60
M5	M5	●	—	—	—	—	—
01	1/8	—	●	—	—	—	—
02	1/4	—	●	●	●	—	—
03	3/8	—	—	●	●	—	—
04	1/2	—	—	—	—	●	—
06	3/4	—	—	—	—	—	●
10	1	—	—	—	—	—	●

Option

Symbol	Description	Applicable model
1	1000 cm ³ tank	AL30 to 60
10	1000 cm ³ tank with level switch (Lowest limit ON)	AL30 to 60
11	1000 cm ³ tank with level switch (Lowest limit OFF)	AL30 to 60
2	Metal bowl	AL10 to 60
3	With drain cock	AL10 to 60
6	Nylon bowl (Including sight dome)	AL10 to 60
8	Metal bowl with level gauge	AL30 to 60
C	With bowl guard	AL20
R	Flow direction: Right → Left	AL10 to 60
3W	Drain cock with barb fitting: ø6 x ø4 nylon tubing	AL30 to 60
Z ⁽²⁾	Name plate and caution plate for bowl in imperial units (PSI, °F)	AL10 to 60

Accessory * When more than one specification is required, indicate in alphanumeric order.

Symbol	Description	Applicable model
Nil	—	—
B ⁽¹⁾	With bracket	AL20 to AL60

Note 1) Bracket is not assembled and is supplied loose at the time of shipment.
Note 2) For M5 and NPT thread types. This product is for overseas use only according to the new Measurement Law. (The SI unit type is provided for use in Japan.)

⊙: Combination available ⊖: Combination not available
○: Varies depending on the model △: Available only with NPT thread

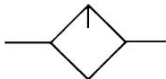


AL20



AL40

JIS Symbol



Accessory/Optional Specifications Combinations

Accessory/Optional specifications		Combination	Symbol	Accessory	Optional specifications												Applicable lubricator		
					B	1	10	11	2	3	6	8	C	R	3W	Z	AL10	AL20	AL30 to 60
Optional specifications	With bracket	B	⊙		○	○	○	○	○	○	○	○	○	○	○	△		○	○
	1000 cm ³ tank	-1	⊙													△			○
	1000 cm ³ tank with level switch (Lowest limit ON)	-10	⊙													△			○
	1000 cm ³ tank with level switch (Lowest limit OFF)	-11	⊙													△			○
	Metal bowl	-2	⊙						⊙							△	○	○	○
	With drain cock	-3	⊙						⊙							△	○	○	○
	Nylon bowl (Including sight dome)	-6	⊙						⊙							△	○	○	○
	Metal bowl with level gauge	-8	⊙						⊙							△	○	○	○
	With bowl guard	-C	⊙							⊙	⊙					△		○	○
	Flow direction: Right → Left	-R	⊙			○	○	○	○	○	○	○	○	○		△	○	○	○
	Drain cock with barb fitting: ø6 x ø4 nylon tubing	-3W	⊙								⊙	⊙				△			○
Name plate and caution plate for bowl in imperial units (PSI, °F)	-Z	△			△	△	△	△	△	△	△	△	△	△	△	△	△	△	

Note) -1, -10, -11 are for a metal bowl with level gauge that comes with drain cock.

Standard Specifications

Model	AL10	AL20	AL30	AL40	AL40-06	AL50	AL60
Port size	M5 x 0.8	1/8, 1/4	1/4, 3/8	1/4, 3/8, 1/2	3/4	3/4, 1	1
Fluid	Air						
Proof pressure	1.5 MPa						
Maximum operating pressure	1.0 MPa						
Minimum dripping flow rate (d/min (ANR))	4	15	1/4: 30 3/8: 40	1/4: 30 3/8: 40 1/2: 50	50	190	220
Oil capacity (cm ³)	7	25	55	135	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	—	Option	Standard				
Weight (kg)	0.07	0.20	0.24	0.47	0.52	1.06	1.13

Note 1) • 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.

Accessory Part No.

Accessory	Applicable model	AL10	AL20	AL30	AL40	AL40-06	AL50	AL60
Bracket assembly	Note)	—	AF20P-050AS	AF30P-050AS	AF40P-050AS	AF40P-070AS	AF50P-050AS	AF50P-050AS

* The part number for bracket assembly for 1000 cm³ is AF50P-050AS (applicable to AL30 to AL60).
Note) Assembly includes a bracket and 2 mounting screws.