

Lubricator

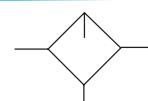
Series **AL10 to 60**

Features

- Port size M5 - 1".
- Part of new modular FRL system.
- Precise adjustment.
- Uniform lubrication even at extremely low flow rates.
- Over 97% of atomised oil particles <10 microns.
- Sight dome for visual setting.
- Built in check valve prevents oil falling back into bowl during no air consumption which could cause 'dry period' running.
- Mounting bracket available.



Symbol



Standard specifications

Model	AL10	AL20	AL30	AL40	AL40-06	AL50	AL60
Fluid	Air						
Proof pressure	1.5MPa						
Maximum operating pressure	1.0MPa						
Minimum dripping flow rate [L/min (ANR)] Note 1)	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
Rated Flow	160	3600	5500	7000	7500	12000	14000
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

Notes 1) • The flow rate is 5 drips/min under the following conditions: Inlet pressure of 0.5MPa; 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.

⊙: Combination available

○: Varies depending on the model

□: Combination not available

Accessory/Optional specification combinations

Combination	Accessory	Applicable lubricator
Accessory/Optional specifications	B	AL10 AL20 AL30 to 60
Accessory With bracket	○	⊙ ⊙

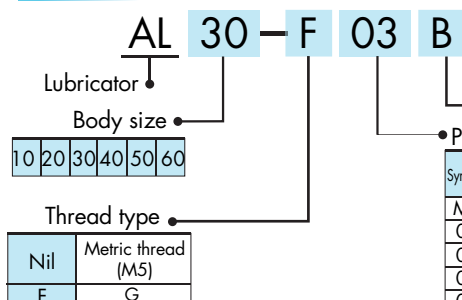
Accessory part no.

Accessory	Applicable model	AL10	AL20	AL30	AL40	AL40-06	AL50	AL60
Bracket assembly Note 1)	—	AF20P-050AS	AF30P-050AS	AF40P-050AS	AF40P-070AS	AF50P-050AS	AF50P-050AS	AF50P-050AS

* The part number for Bracket assembly for 1000cm³ is AF50P-050AS (applicable to AL30 to AL60).

Note 1) Assembly includes a bracket and 2 mounting screws.

How to order

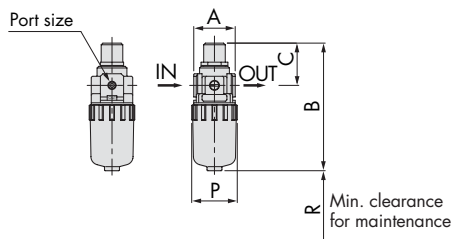
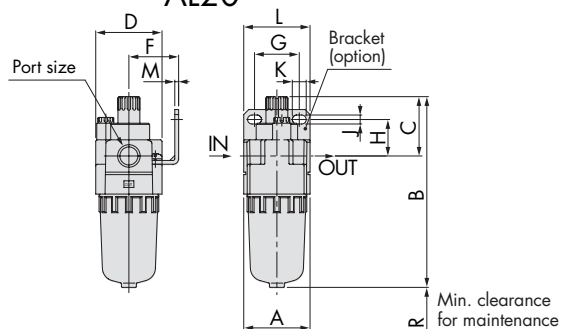
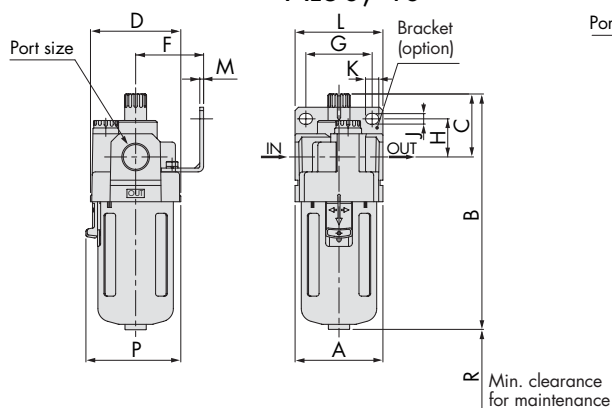
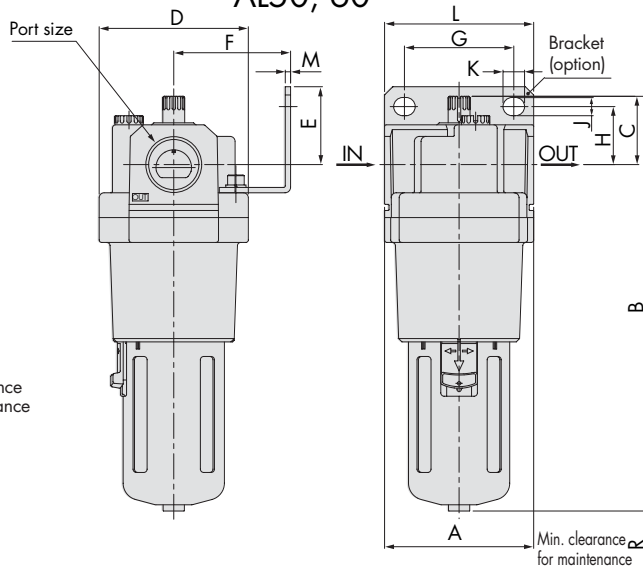


		Body size					
Symbol	Port size	10	20	30	40	50	60
M5	M5	●	—	—	—	—	—
01	1/8	—	●	—	—	—	—
02	1/4	—	●	●	—	—	—
03	3/8	—	—	●	●	—	—
04	1/2	—	—	—	—	—	—
06	3/4	—	—	—	—	●	—
10	1	—	—	—	—	●	●

Symbol	Description	Applicable model
Nil	—	—
B Note 1)	With bracket	AL20 to AL 60

Note 1) Bracket is not assembled and is supplied loose at the time of shipment.

Dimensions

AL10

AL20

AL30, 40

AL50, 60


Model	Port size	Standard specification						Accessory specification							
								Bracket mounting size							
		A	B	C	D	P	R	E	F	G	H	J	K	L	M
AL10	M5	25	77	26	25	28	35	—	—	—	—	—	—	—	—
AL20	1/8, 1/4	40	115	36	40	—	60	—	30	27	22	5.4	8.4	40	2.3
AL30	1/4, 3/8	53	142	38	53	57	80	—	41	40	23	6.5	8	53	2.3
AL40	1/4, 3/8, 1/2	70	176	40	70	73	110	—	50	54	26	8.5	10.5	70	2.3
AL40-06	3/4	75	176	38	70	73	110	—	50	54	25	8.5	10.5	70	2.3
AL50	3/4, 1	90	250	41	90	—	110	47	70	66	35	11	13	90	3.2
AL60	1	95	268	45	95	—	110	47	70	66	35	11	13	90	3.2

Replacement parts

Applicable Model	AL10	AL20	AL30	AL40	AL50	AL60
Spares Kit	KT-AL10	KT-AL20-02	KT-AL30-03	KT-AL40-04	KT-AL50-06	KT-AL60

AL10 spares kit includes sight dome assembly

AL20 to AL60 spares kit includes sight dome assembly, lubricator plug assembly, damper retainer assembly and damper