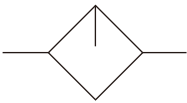


FRL
AC/BC
AFC/BFC
AFR/BFR
AF/BF
AR/BR
AL/BL
SR
SDR
AC
AW
AF
AR
AL
F3
F2
F1
F
R
L
USFRL
USFR/L
USFR
USF
USR
USL
QSL
QTY
QIU
QTYH
QSLH
QFRH
AFF
AF(Big)
AL(Big)
AR(Big)
AD402
AH402
AD-5
IR
ITV
ACR
F804
PG



Symbol



Ordering code

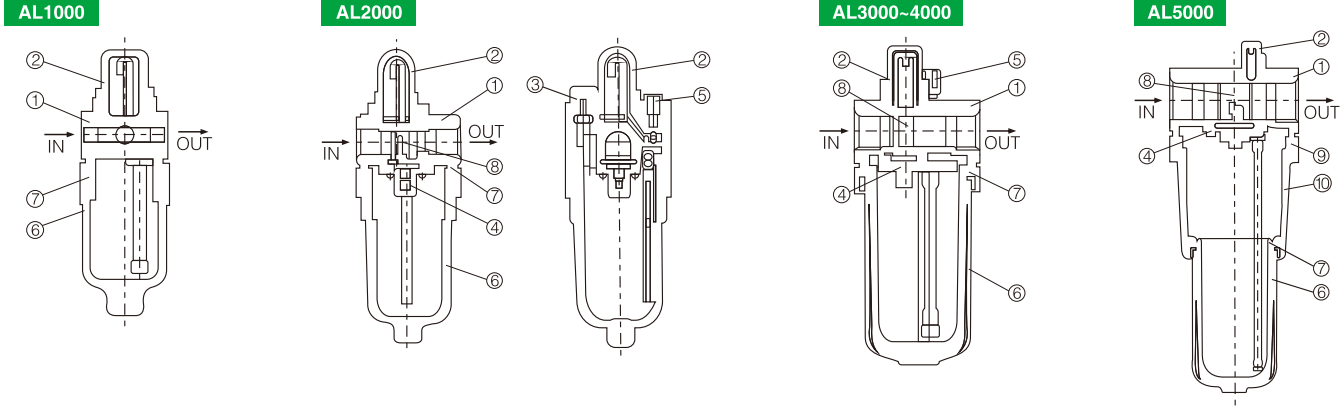
Model	Series code	Port size
AL	2000	02
AL	1000 Series	M5 M5
AL	2000 Series	02 1/4"
AL	3000 Series	03 3/8"
AL	4000 Series	04 1/2"
AL	5000 Series	06 3/4"
AL	5000 Series	10 1"

Specification

Model	AL1000-M5	AL2000-02	AL3000-02	AL3000-03	AL4000-03	AL4000-04	AL4000-06	AL5000-06	AL5000-10
Port size	M5×8	1/4"	1/4"	3/8"	3/8"	1/2"	3/4"	3/4"	1"
Cup capacity	7	25	50	50	50	130	130	130	130
Rated flow (L/min)	95	80	1700	1700	1700	5000	6300	7000	7000
Proof pressure	1.5MPa{15.3kgf/cm ² }								
Max. pressure	1.0MPa{10.2kgf/cm ² }								
Temperature range	5~60℃								
Cup material	Polycarbonate								
Cup protective cover	AL1000~2000(Without) AL3000~5000(With)								
Valve type	With overflow								
Weight(kg)	0.07	0.22	0.30	0.30	0.56	0.56	0.58	1.08	1.08

Note: 1. supply pressure is 0.5MPa (5.1kgf/cm²), oil droplet flow rate of 5 drops/minute, turbine No.1 oil (ISO VG32) temperature of 20 degrees celsius;
2. supply pressure of 0.5MPa (5.1kgf/cm²), 0.03MPa (0.3kgf/cm²) in the absence of pressure.

Inner structure

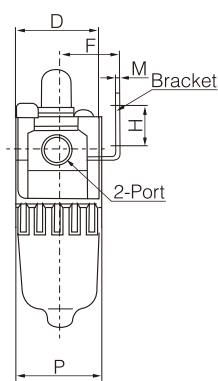
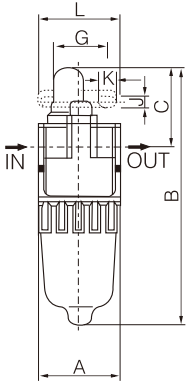


Main prtts

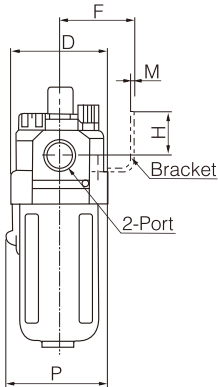
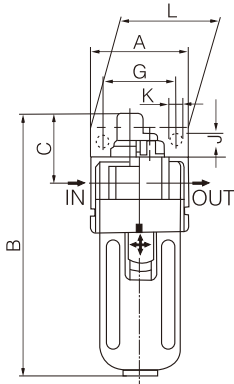
No.	Parts name	Material		
		AL1000	AL2000~4000	AL5000
1	Valve body	Zinc die casting	Aluminum die casting	
2	Oil window	Polycarbonate		
3	Oil feed plug	ABS		
4	Guide retainer	ABS		
5	Oil adjusting handle	ABS		
6	Oil cup (Protective cover)	Polycarbonate (Cold rolled sheet)		
7	O-ring	Rubber		
8	Retainer	Polyurethane		
9	O-ring	Rubber		
10	Middle part	-		Aluminum die casting

Dimensions

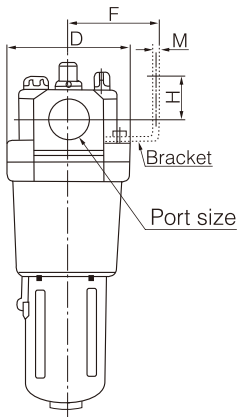
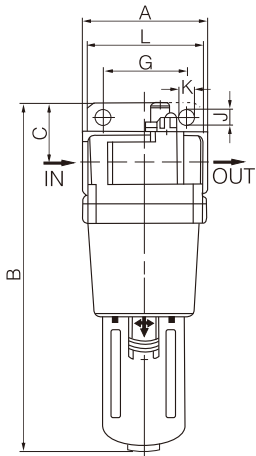
AL1000~2000



AL3000~4000



AL5000



Model	Port size	A	B	C	D	E	F	G	H	J	K	L	M	P
AL1000	M5×0.8	25	81.5	25.5	25	-	-	-	-	-	-	-	-	27
AL2000	1/4"	40	122	38	40	30	30	27	22	5.4	8.4	40	2.3	40
AL3000	1/4"·3/8"	53	142	38	53	41	41	40	23	6.5	8	53	2.3	56
AL4000	3/8"·1/2"	70	177	41	70	50	50	54	26	8.5	10.5	70	2.3	73
AL4000-06	3/4"	75	177	39	70	50	50	54	25	8.5	10.5	70	2.3	73
AL5000	3/4"·1"	90	254	45	90	70	70	66	35	11	13	90	3.2	90

FRL

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SDR

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AW

AF

AR

AL

F3

F2

F1

F

R

L

USFRL

USFR/L

USFR

USF

USR

USL

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