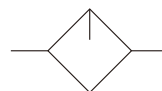


FRL
AC/BC
AFC/BFC
AFR/BFR
AF/BF
AR/BR
AL/BL
SR
SDR
AC
AW
AF
AR
AL
F3
F2
F1
F
R
L
USFRL
USFR/L
USFR
USF
USR
USL
QSL
QTY
QIU
QTYH
QSLH
QFRH
AFF
AF(Big)
AL(Big)
AR(Big)
AD402
AH402
AD-5
IR
ITV
ACR
F804
PG



Symbol



Installation and usage

L series lubricator ensure the amount of the oil mist and compressed air flow was mixed in proportional. Compressed air through the nozzle and generate the pressure drop, forcing the fluid oil into small window cup, along with the compressed air in to the output port.

To adding oil must be achieved in the non-stop air flow.

By rotating the screw to adjust the drip volume. Usually containing 1-12 drops per 1000L of air is sufficient.

Ordering code

Series	Port size	Working pressure	Size	Shell material
L	1/8"	Blank 12bar	MICRO	Blank Zinc
	1/4"	7 7bar	MINI	E Alu.
	3/8"		MIDI	
	1/2"		MAXI	
	3/4"			
	1"			

Specification

Size	MICRO					MINI			MIDI				MAXI		
Pneumatic connection	M5	M7	1/8"	QS4	QS6	1/8"	1/4"	3/8"	1/4"	3/8"	1/2"	3/4"	1/2"	3/4"	1"
Operating medium	Filtered compressed air, unlubricated, grade of filtration 5µm					Filtered compressed air, unlubricated, grade of filtration 40µm									
Design	Standard proportional lubricator														
Type of mounting	Via accessories														
	In-line installation														
Assembly position	Vertical ±5°														
Input pressure (bar)	0...10					0...16									
Minimum flow rate for lubricator operation (l/min)	3					3			8				10		
Max. oil capacity (cm³)	6.5					45			110				190		

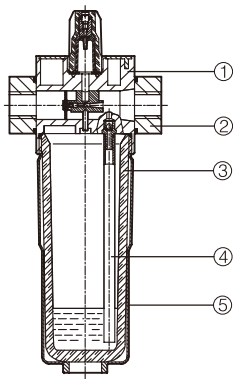
Note: This product conforms with ISO 1179-1 standard and the ISO 228-1 standard.

Standard nominal flow rate (qn[L/min])

Connection	Female thread		Connecting plate		
	M5	M7	G1/8	QS4	QS6
Micro					
L	200	430	410	16	330

Note: This product conforms with ISO 1179-1 standard and the ISO 228-1 standard.

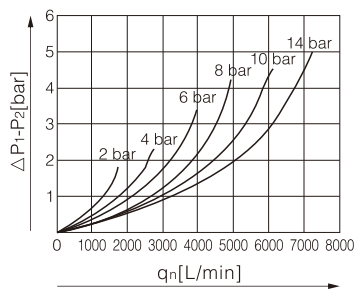
Inner structure



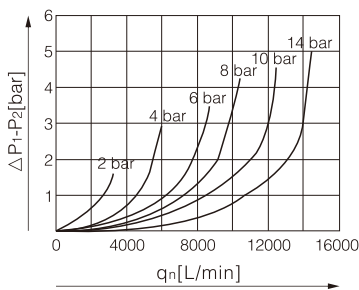
No.	Item	Material
1	Casting	Die-casting zinc
2	Connecting plate	Aluminum
3	Filter bowl	Polycarbonate
4	Metal filter	Aluminum
5	Cover, Pressure visiable type	PE
	Seal	NBR

Standard flow rate chart

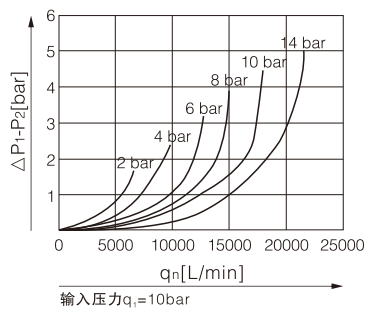
L-1/4-MINI



L-1/2-MIDI

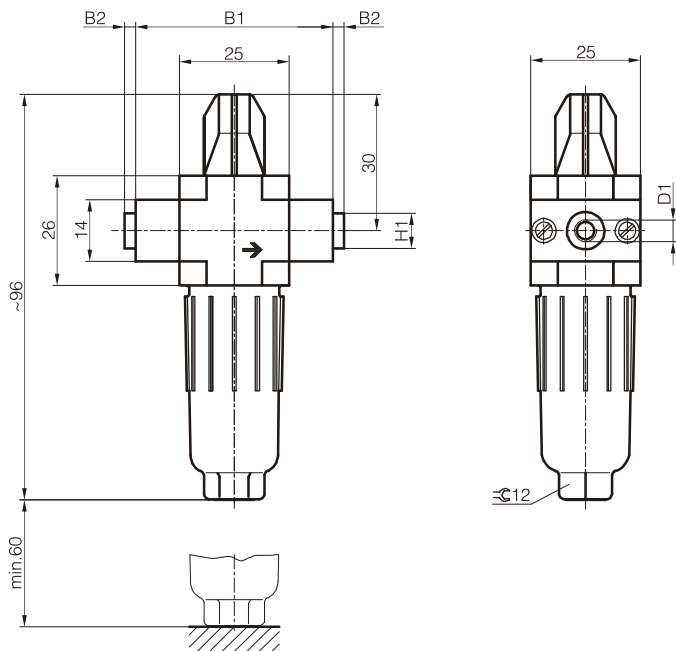


L-1-MAXI



Dimensions

MICRO



→ Flow direction

Model	B1	B2	D1	H1
L-M5-D-MICRO	25	-	M5	-
L-M7-D-MICRO			M7	
L-1/8-D-MICRO			1/8"	
L-QS4-D-MICRO	45	~2.5	QS4	~8
L-QS6-D-MICRO			QS6	~10

FRL

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SDR

AC

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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

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

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AD402

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IR

ITV

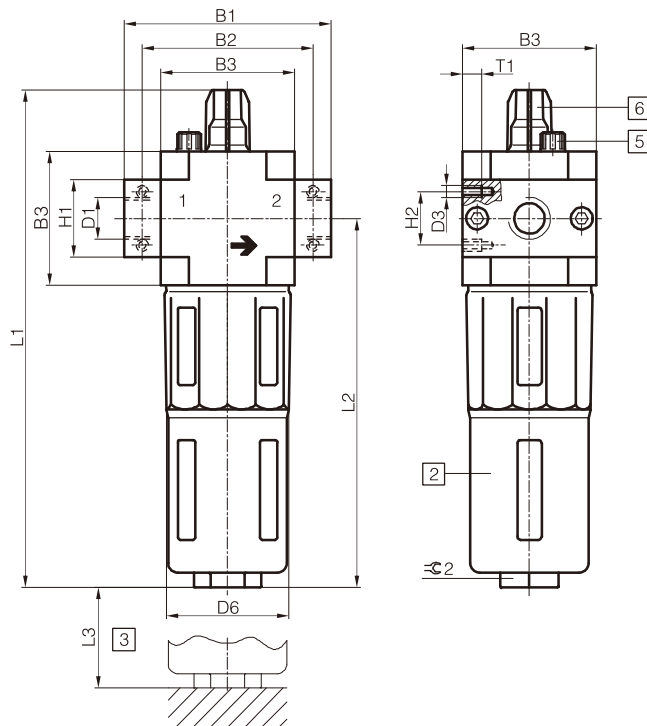
ACR

F804

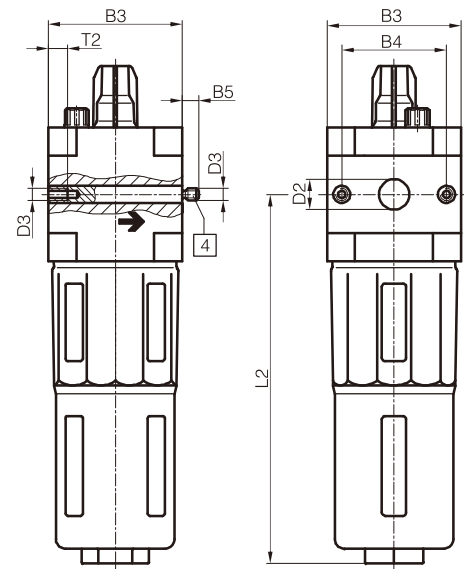
PG

MINI/MIDI/MAXI

With threaded connecting plates



Without threaded connecting plates



- 2 Metal bowl guard 4 Threaded pin (exchangeable) 5 Exhausting screw for oil reservoir → Flow direction
3 Installation dimensions 6 Oil adjusting screw

Model	B1	B2	B3	B4	B5	D1	D2Φ	D3	D6Φ	H1	H2	L1	L2	L3	T1	±1	±2
MINI																	
L-1/8-D-MINI	64	52	40	30	-	1/8"	-	M4	38	20	11	169	124	100	7	-	22
L-1/4-D-MINI	70					1/4"											
L-3/8-D-MINI	70					3/8"											
L-D-MINI	-	-			5.8	-	11			-	-				-	10	
MIDI																	
L-1/4-D-MIDI	85	70	55	43	-	1/4"	-	M5	52	32	22	204	151	120	8	-	24
L-3/8-D-MIDI						3/8"											
L-1/2-D-MIDI						1/2"											
L-3/4-D-MIDI						3/4"											
L-D-MIDI	-	-			6.8	-	24			-	-				-	11	
MAXI																	
L-1/2-D-MAXI	96	80	66	46	-	1/2"	-	M5	65	32	22	228	170	150	8	-	24
L-3/4-D-MAXI						3/4"											
L-1-D-MAXI	116	61				1"				40							
L-D-MAXI	-	-			6.8	-	30			-	-				-	11	

Note: This product conforms with ISO 1179-1 standard and the ISO 228-1 standard.