

XOL Series Lubricator



XOL-MINI

The direct constant-density lubricator add regulated quantity oil to the compressed air. A valve maintains oil mist content proportional to the compressed oil flow.

The pressure drop that occurs when the air flow through a sight feed oil cup delivers oil from the bowl to the sight oil indicator. The drop of the oil flows into the air channel when it is atomized.

The oil drop rate is controlled by means of the regulating screw. Normally, 1 to 12 drops/1000L of the air is sufficient.

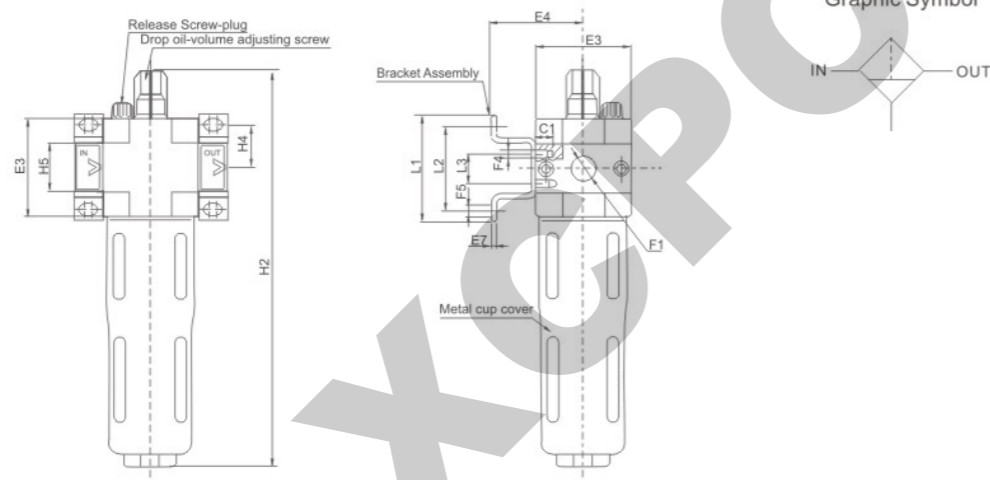
Ordering Code

XO	L	MINI	1/4
Series XO Series	Function code Lubricator	Body MINI MIDI MAXI	Port Size G1/8" G1/2" G1/4" G3/4" G3/8" G1"

Specification

Lubricators	MINI		MIDI		MAXI			
	XOL-1/8-MINI	XOL-1/4-MINI	XOL-3/8-MINI	XOL-3/8-MIDI	XOL-1/2-MIDI	XOL-3/4-MIDI	XOL-3/4-MAXI	XOL-1-MAXI
Medium	Compressed air							
Features of structure	Sintered filter with water separator The direct Constant-density Lubricator							
Mounting type	Pipe mounting or foot mounting							
Assembly position	Vertical ±5°							
Connection	G1/8"	G1/4"	G3/8"	G3/8"	G1/2"	G3/4"	G3/4"	G1"
Standard nominal flow rate	1300	2300	2700	5500	6100	6300	8400	9000
Max. Working pressure	16bar							
Min. Standard nominal flow rate	3 L/min			6 L/min			10 L/min	
Max. condensate capacity	22ml							
Temperature range	0~60°C							
Materials information	Housing: Zinc die-casting; Oil bowl and Drop cap : PC; Metal bowl guard: Aluminum alloy; Sealing: NBR							
Recommended oil	ISO VG 32 or the same grade							

Overall Dimensions

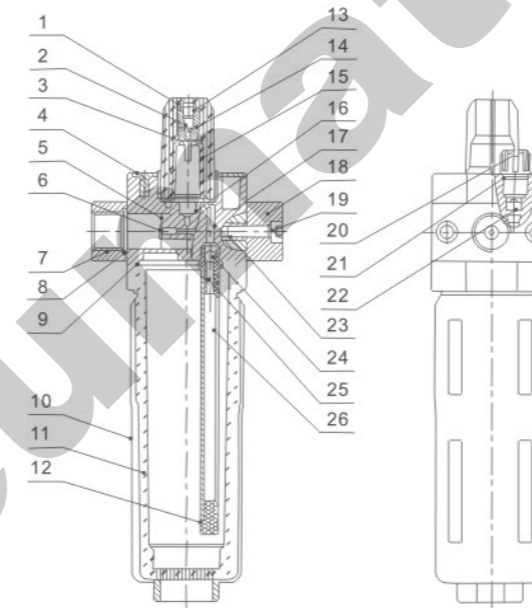


Dimension Sheet

Model	E3	E4	E7	F1	F4	F5 Φ	L1	L2	L3	H4	H5
XOL-...-MINI	40	39	2	G1/8", G1/4", G3/8"	M4	4.5	44	35	11	17.5	20
XOL-...-MIDI	55	47	3	G1/8", G1/2", G3/4"	M5	5.5	73	60	22	30	32
XOL-...-MAXI	66	53	3	G3/4", G1"	M5	5.5	73	60	22	30	32,40

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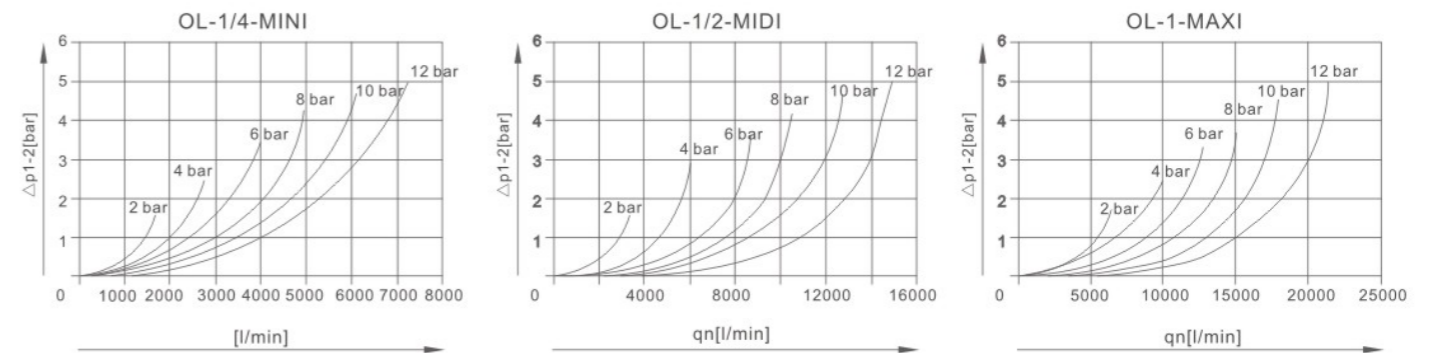
Internal structure



NO	Item	Material
1	Upper glass	PC
2	Adjust screw	Brass
3	O-ring	NBR
4	Ornament cover(circular)	PO
5	Windshield chip	NBR
6	Windshield base	Brass
7	Flange-IN	Zinc alloy
8	O-ring	NBR
9	O-ring	NBR
10	Metal bowl guard	Aluminum alloy
11	Lubricator bowl	PC
12	Oil-filter plup	Brass powder sintered
13	O-ring	NBR
14	Screw base	Brass
15	Oil dropping	PC
16	Seal piece	NBR
17	OL Body	Zinc alloy
18	Flange-OUT	Zinc alloy
19	Allen screw	S35C
20	Bleeder screw	POM
21	O-ring	NBR
22	Valve pin	Brass
23	Double-end bolt	SUS
24	Steel ball	SUS304
25	Oil tube connection	POM
26	Oil tube	PU

Flow diagram

Standard flow rate qn as a function of the output pressure p2



Primary pressure: p1=10 bar