

XOU Series Air Source Treatment Unit



XOU-MINI

The XOU consists of XOFR and XOL, each unit can be ordered separately.
 The XOF with water separator cleans the compressed air of fluid oil, condensation and dirt. Particles. For special application, the standard 40µm filter element may easily be replaced by a 5µm filter element.
 The XOR maintains inputting constant operating pressure despite fluctuation in line pressure and the amount of air consumed. The proportional lubricator adds a regulated quantity of oil to the filtered air. The oil-mist content is proportional to the flow and oil can be added during operation. The oil drop rate is controlled by the adjustable bolt. Normally, 1 to 12 drops/1000L of the air is sufficient.

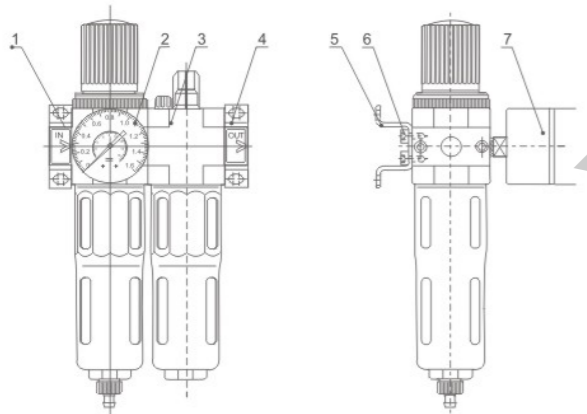
Ordering Code

XO	U	MINI	1/4			
Series XO Series	Function code FRL Combination	Body MINI MIDI MAXI	Port Size G1/8" G1/2" G1/4" G3/4" G3/8" G1"	Grade of Filtration Blank: 40µm 5M: 5µm	Manometer Blank: 12bar 7: 7bar	Drain Type Blank: Turned Manually A: Auto Drain Type

Specification

Service units	MINI			MIDI			MAXI		
Manual Drain	Working pressure: 12bar, 40µm	XOU-1/8-MINI	XOU-1/4-MINI	XOU-3/8-MINI	XOU-3/8-MIDI	XOU-1/2-MIDI	XOU-3/4-MIDI	XOU-3/4-MAXI	XOU-1-MAXI
	Working pressure: 7bar, 40µm	XOU-1/8-7-MINI	XOU-1/4-D-7-MINI	XOU-3/8-7-MINI	XOU-3/8-7-MIDI	XOU-1/2-7-MIDI	XOU-3/4-7-MIDI	XOU-3/4-7-MAXI	XOU-1-7-MAXI
	Working pressure: 12bar, 5µm	XOU-1/8-5M-MINI	XOU-1/4-5M-MINI	XOU-3/8-5M-MINI	XOU-3/8-5M-MIDI	XOU-1/2-5M-MIDI	XOU-3/4-5M-MIDI	XOU-3/4-5M-MAXI	XOU-1-5M-MAXI
Manometer	0~12bar	OMA-40-16-1/8			OMA-50-16-1/4				
	0~7bar	OMA-40-10-1/8			OMA-50-10-1/4				
Medium	Compressed air								
Features of structure	Sintered filter with water separator; MINI/MIDI/MAXI: Piston regulator; Diaphragm type regulator; Direct constant-density lubricator								
Mounting type	Pipe mounting or foot mounting								
Assembly position	Vertical ±5°								
Standard nominal flow rate	Connection	G1/8"	G1/4"	G3/8"	G3/8"	G1/2"	G3/4"	G3/4"	G1"
	XOU-...(-A)	700	1000	1200	2000	2600	2600	7000	8000
	XOU-...-7(-A)	800	1300	1500	2500	2800	2800	8500	8700
Primary pressure	Manual condensate drain	1~16bar							
	Automatic condensate drain	1.5~12bar							
Working pressure	0.5~12bar/0.5~7bar								
Min. Standard nominal flow rate	3 L/min			6 L/min			10 L/min		
Grade of filtration	40µm/5µm								
Capacity of condensate fluid	22ml								
Temperature range	0~60°C								
Materials information	Housing: Zinc die-casting; Filter bowl and oil bowl: PC; Metal bowl guard: Aluminum alloy; Sealing: NBR; Adjusting knob: POM								

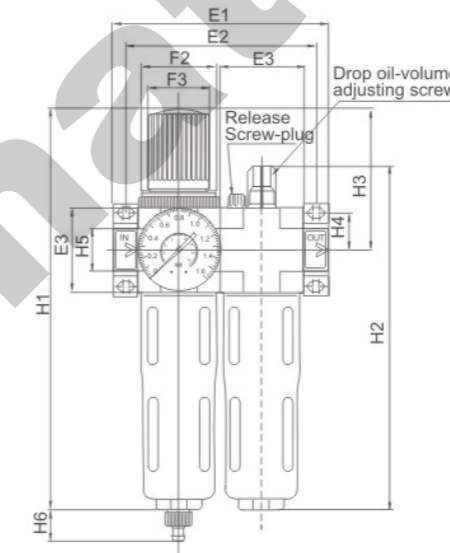
Internal structure



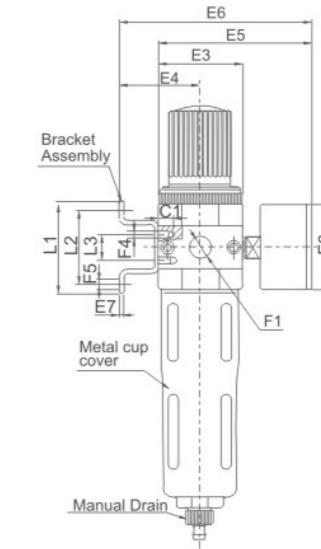
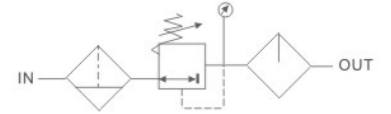
NO	Item	Material
1	Flange-IN	Zinc alloy
2	Filter + Regulator	
3	Lubricator	
4	Flange - OUT	Zinc alloy
5	Bracket	SPCC
6	Allen screw	S35C
7	Pressure gauge	

XOU Series Air Source Treatment Unit

Overall Dimensions



Graphic Symbol



Dimension Sheet

Model	E1	E2	E3	E4	E5	E6	E7	F1	F2
XOU-...-MINI	104	92	40	39	76	95	2	G1/8", G1/4", G3/8"	M36 × 1.5
XOU-...-MIDI	140	125	55	47	93	112	3	G3/8", G1/2", G3/4"	M52 × 1.5
XOU-...-MAXI	162, 182	146, 157	66	53	104	124	3	G3/4", G1"	M52 × 1.5

Model	F3 Φ	F4	F5 Φ	F6 Φ	L1	L2	L3	H1	H2	H3	H4	H5	H6
XOU-...-MINI	31	M4	4.5	41	44	35	11	194	169	69	17.5	20	15
XOU-...-MIDI	50	M5	5.5	52	71	60	22	250	206	97	24.5	32	15
XOU-...-MAXI	50	M5	5.5	53	71	60	22	272	226	80	24.5	32, 40	15

Note: The Color Can Be Customized According to Your Requirement.

Flow diagram

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

