

XOFR Series Filter & Regulator



XOFR-MINI

Filter and pressure regulator combine a single unit, and 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 maintain im putting constant operating pressure despite fluctuation in line pressure and the amount of air consumed.

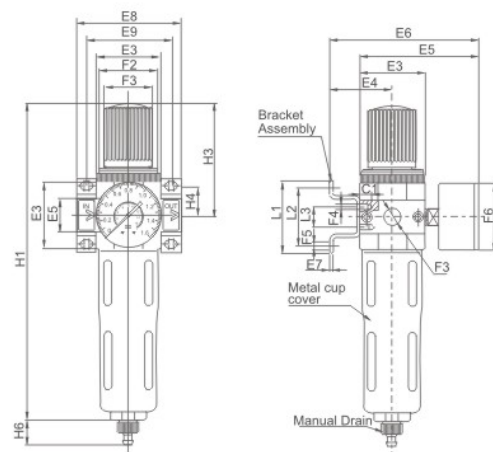
Ordering Code

XO	FR	MINI	1/4	□	□	□
Series XO Series	Function code Filter&Regulator	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: Turnd Manually A: Auto Drain Type

Specification

Filter regulators		MINI			MIDI			MAXI	
Manual Drain	Working pressure:12bar,40µm	XOFR-1/8-MINI	XOFR-1/4-MINI	XOFR-3/8-MINI	XOFR-3/8-MIDI	XOFR-1/2-MIDI	XOFR-3/4-MIDI	XOFR-3/4-MAXI	XOFR-1-MAXI
	Working pressure:7bar,40µm	XOFR-1/8-7-MINI	XOFR-1/4-D-7-MINI	XOFR-3/8-7-MINI	XOFR-3/8-7-MIDI	XOFR-1/2-7-MIDI	XOFR-3/4-7-MIDI	XOFR-3/4-7-MAXI	XOFR-1-7-MAXI
	Working pressure:12bar,5µm	XOFR-1/8-5M-MINI	XOFR-1/4-5M-MINI	XOFR-3/8-5M-MINI	XOFR-3/8-5M-MIDI	XOFR-1/2-5M-MIDI	XOFR-3/4-5M-MIDI	XOFR-3/4-5M-MAXI	XOFR-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/MID:Diaphragm type-regulator;MAXI:Piston regulator;							
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"
	XOFR-...	750	1400	1600	3100	3400	3400	9000	10000
	XOFR-...-7	900	1500	1700	3400	3900	3900	9500	16000
Primary pressure	XOFR-...-5M	650	1200	1350	2400	2500	2500	7300	7600
	Manual condensate drain	1~16bar							
Automatic condensate drain	1.5~12bar								
Working pressure	0.5~12bar/0.5~7bar								
Grade of filtration	40µm/5µm								
Max. Condensate Capacity	22ml								
Temperature range	0~60℃								
Materials information	Housing:Zinc die-casting;Filter bowl:PC;Metal bowl guard:Aluminum alloy;Sealing:NBR;Adjusting knob:POM								

Overall Dimensions



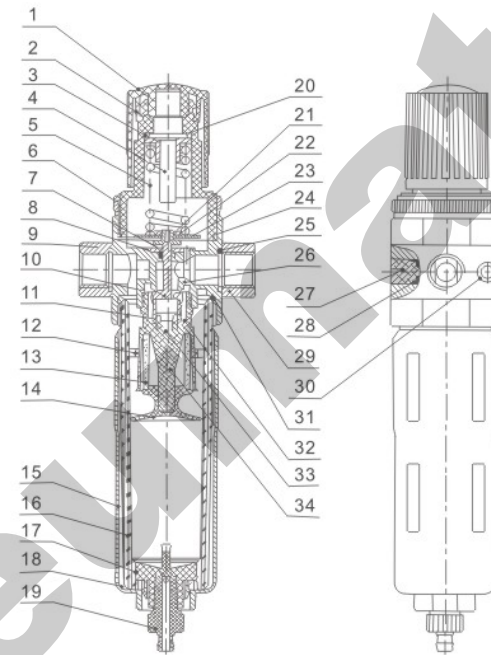
Dimension Sheet

Model	E3	E4	E5	E6	E8	E9	F1	F2
XOFR-...-MINI	40	39	76	95	64	52	G1/8",G1/4",G3/8"	M36×1.5
XOFR-...-MIDI	55	47	93	112	85	70	G3/8",G1/2",G3/4"	M52×1.5
XOFR-...-MAXI	66	53	104	124	116	91	G3/4",G1"	M52×1.5

Model	F3Φ	F4	F5Φ	F6Φ	L1	L2	L3	H1	H3	H4	H5	H6
XOFR-...-MINI	31	M4	4.5	41	44	35	11	194	69	17.5	20	15
XOFR-...-MIDI	50	M5	5.5	52	73	60	22	250	98	24.5	32	15
XOFR-...-MAXI	50	M5	5.5	53	73	60	22	272	80	24.5	32,40	15

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Internal structure



NO	Item	Material	NO	Item	Material
1	Pressure knob	POM	18	Inner joint	POM
2	Regulator cap	POM	19	Condensate drain	POM
3	Regulator nut	S35C	20	Wearing sheet	Insulation sheet
4	Adjusting spindle	S35C	21	OR Sheet	NBR
5	Pressure spring	SWC	22	Overflow base	6061-T6
6	Fixed ring	6061-T6	23	One part of diaphragm	SPCC
7	One part of membrane	PA6+G15	24	Diaphragm	NBR+Nylon Mesh
8	O-ring	NBR	25	O-ring	NBR
9	Flange-IN	Zinc alloy	26	OR Body	Zinc alloy
10	Spool	Brass	27	Plug	POM
11	O-ring	NBR	28	O-ring	NBR
12	Whirl wind impeller	POM	29	Flange-OUT	Zinc alloy
13	Filter element	PE	30	Allen screw	S35C
14	Manger	POM	31	O-ring	NBR
15	Metal bowl guard	Aluminum alloy	32	Spring	SWPB
16	Filter bowl	PC	33	Fasteners	Brass
17	O-ring	NBR	34	Filter element base	POM

Flow diagram

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

