

### 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.

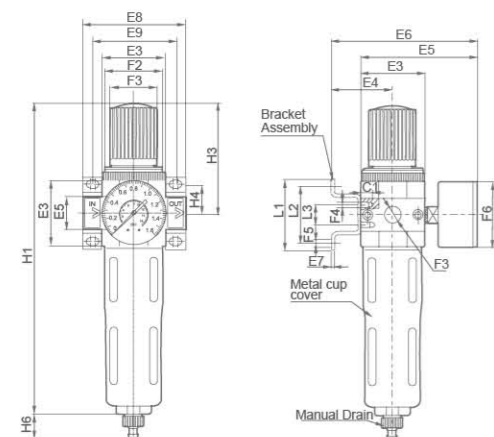
Ordering Code

<b>XO</b>	<b>FR</b>	<b>MINI</b>	<b>1/4</b>	<b>□</b>	<b>□</b>	<b>□</b>	<b>□</b>
<b>Series</b>	<b>Function code</b>	<b>Body</b>	<b>Port Size</b>	<b>Grade of Filtration</b>	<b>Manometer</b>	<b>Drain Type</b>	<b>Color</b>
XO Series	Filter&Regulator	MINI MIDI MAXI	G1/8" G1/2" G1/4" G3/4" G3/8" G1"	Blank:40µm 5M:5µm	Blank:12bar 7:7bar	Blank: Turnd Manually S:Half-Auto Drain Type A:Auto Drain Type	Blank:Orange BU:Bule

Specification

Model	MINI	MIDI	MAXI
Working pressure:12bar,40µm	XOFR-1/8-MINI	XOFR-1/4-MINI	XOFR-3/8-MINI
Working pressure:7bar,40µm	XOFR-1/8-7-MINI	XOFR-1/4-D-7-MINI	XOFR-3/8-7-MINI
Working pressure:12bar,5µm	XOFR-1/8-5M-MINI	XOFR-1/4-5M-MINI	XOFR-3/8-5M-MINI
Working pressure:12bar,40µm	XOFR-3/8-MIDI	XOFR-1/2-MIDI	XOFR-3/4-MIDI
Working pressure:7bar,40µm	XOFR-3/8-7-MIDI	XOFR-1/2-7-MIDI	XOFR-3/4-7-MIDI
Working pressure:12bar,5µm	XOFR-3/8-5M-MIDI	XOFR-1/2-5M-MIDI	XOFR-3/4-5M-MIDI
Working pressure:12bar,40µm	XOFR-3/4-MAXI	XOFR-1-MAXI	XOFR-1-7-MAXI
Working pressure:7bar,40µm	XOFR-3/4-7-MAXI	XOFR-1-7-MAXI	XOFR-1-7-MAXI
Working pressure:12bar,5µm	XOFR-3/4-5M-MAXI	XOFR-1-5M-MAXI	XOFR-1-5M-MAXI
Manometer	OMA-40-16-1/8	OMA-50-16-1/4	OMA-50-16-1/4
Manometer	OMA-40-10-1/8	OMA-50-10-1/4	OMA-50-10-1/4
Medium	Compressed air		
Features of structure	Sintered filter with water separator;MINI/MIDI:MAXI:Piston regulator;		
Mounting type	Pipe mounting or foot mounting		
Assembly position	Vertical ±5°		
Connection	G1/8"	G1/4"	G3/8"
Standard nominal flow rate	750	1400	1600
Standard nominal flow rate	900	1500	1700
Standard nominal flow rate	650	1200	1350
Primary pressure	1~16bar		
Primary pressure	1.5~12bar		
Working pressure	0.5~12bar/0.5~7bar		
Grade of filtration	40µm/5µm		
Max.Condensate Capacity	22ml	43ml	80ml
Temperature range	0~60 °C		
Materials information	Housing:Zinc die-casting;Filter bowl: PC;Metal bowl guard:Aluminum alloy;Sealing:NBR;Adjusting knob:POM		

Overall Dimensions



Dimension Sheet

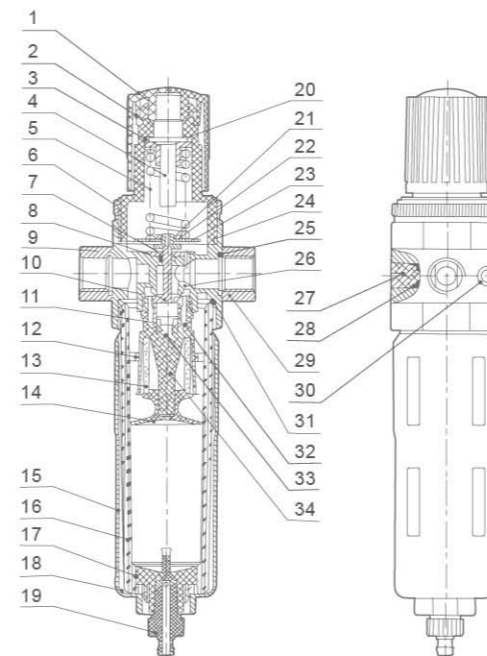
Model	E3	E4	E5	E6	E8	E9	F1	F2
XOFR-...-MINI	40	39	76	95	64	52	G1/8",G1/4",G3/8"	M36×1.5
XOFR-...-MIDI	55	47	93	112	85	70	G3/8",G1/2",G3/4"	M52×1.5
XOFR-...-MAXI	66	53	104	124	116	91	G3/4",G1"	M52×1.5

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

### XOFR Series Filter & Regulator

Internal structure



No	Name	Material	No	Name	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

