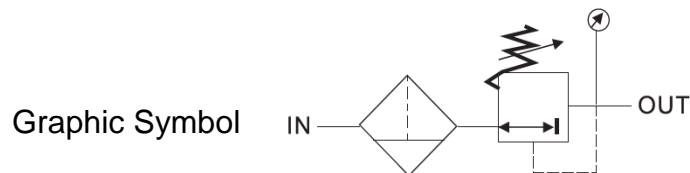


OFR Series Filter & Regulator:



1. Ordering Code :

OFR	-	MINI	-	1/4	-	□
↑		↑		↑		↑
Model		Body size		Port size		Blank: Manual
Filter&Regulator		MINI		1/8: G1/8		D:With Autodrain
		MIDI		1/4: G1/4		
		MAXI		3/8: G3/8		
				1/2: G1/2		
				3/4: G3/4		
				1: G1		



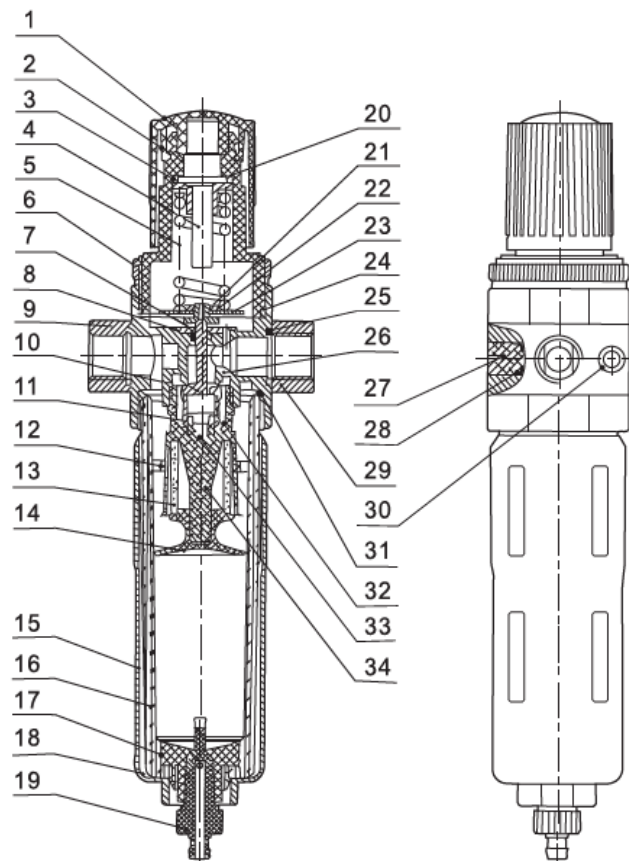
2.Characteristics:

- 1) Filter and pressure regulator combine a single unit, and cleans the compressed air of fluid oil, condensation and dirt particles.
- 2) The OF with water separate 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.
- 3) The OR maintain inputting constant operating pressure despite fluctuation in line pressure & the amount of air consumed.
- 4) Different thread type can be offered according to customers' requirements, e.g.: PT, NPT etc.

3.Specification:

Boby size	MINI			MIDI			MAXI	
Model	OFR-MINI-1/8	OFR-MINI-1/4	OFR-MINI-3/8	OFR-MIDI-3/8	OFR-MIDI-1/2	OFR-MIDI-3/4	OFR-MAXI-3/4	OFR-MAXI-1
Applicable medium	Compressed Air							
Mounting type	Pipe mounting or foot mounting							
Assembly position	Vertical ±5°							
Working pressure range	0.05~1.2 MPa							
Temperature range	0°C~60°C							
Nominal flow rate(40µm) L/min	750	1400	1600	3100	3400	3400	9000	10000
Nominal flow rate(5µm) L/min	650	1200	1350	2400	2500	2500	7300	7600
Grade of filtration	40µm/5µm							
Capacity of condensate fluid	22ml			43ml			80ml	
Min. Standard nominal flow rate	3L/min			6L/min			10L/min	
Port size	G1/8	G1/4	G3/8	G3/8	G1/2	G3/4	G3/4	G1

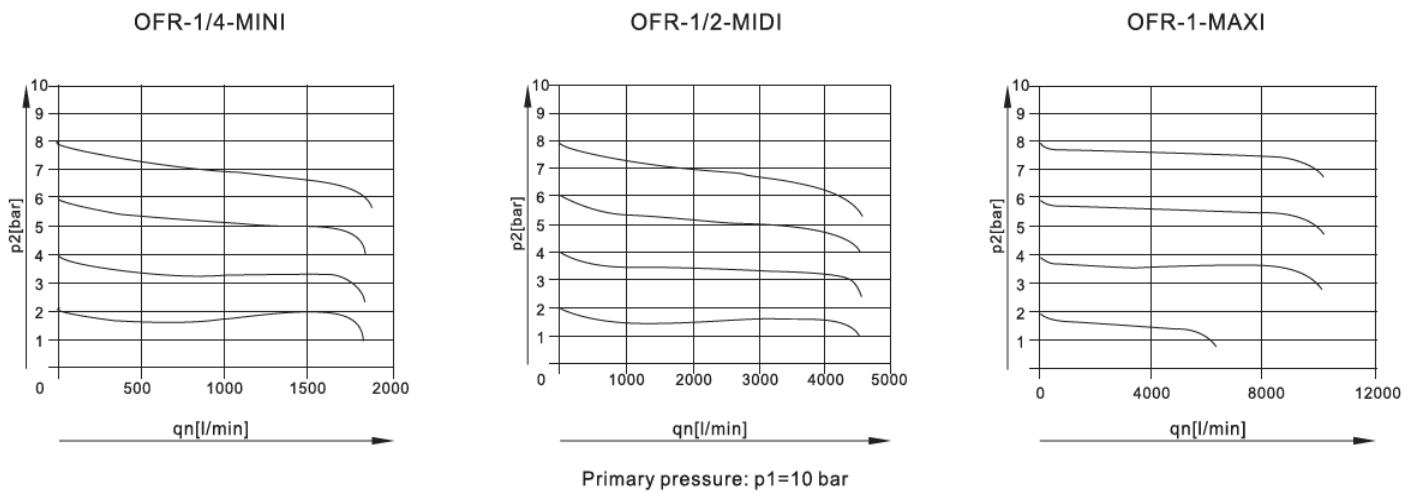
4.Internal Structure:



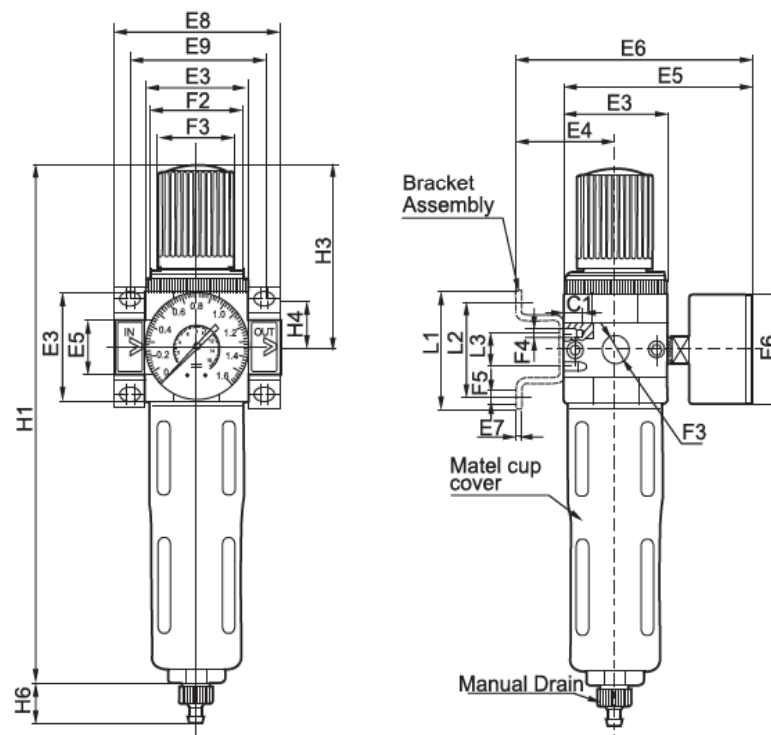
NO	Item	Material	NO	Item	Material
1	Pressure knob	POM	18	Inner joint	POM
2	Regulator cap	POM	19	Condensate drain	POM
3	Regulator nut	S35C	20	Wearing sheet	Insulation sheet
4	Adjusting spindle	S35C	21	OR Sheet	NBR
5	Pressure spring	SWC	22	Overflow base	6061-T6
6	Fixed ring	6061-T6	23	One part of diaphragm	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	Aluminium alloy	32	Spring	SWPB
16	Filter bowl	PC	33	Fasteners	Brass
17	O-ring	NBR	34	Filter element base	POM

5. Flow rate diagram:

Standard flow rate q_n as a function of the output pressure p_2 .



6. Overall and Dimension Sheet:



Model	E3	E4	E5	E6	E8	E9	F1	F2				
OFR-MINI	40	39	76	95	64	52	G1/8 ,G1/4 ,G3/8	M36×1.5				
OFR-MIDI	55	47	93	112	85	70	G1/8 ,G1/2 ,G3/4	M52×1.5				
OFR-MAXI	66	53	104	124	96,116	80,91	G3/4 ,G1	M36×1.5				
Model	F3Φ	F4	F5Φ	F6Φ	L1	L2	L3	H1	H3	H4	H5	H6
OFR-MINI	31	M4	4.5	40	44	35	11	194	69	17.5	20	15
OFR-MIDI	50	M5	5.5	52	71	60	22	250	98	24.5	32	15
OFR-MAXI	31	M5	5.5	63	71	60	22	252	80	24.5	32,40	15