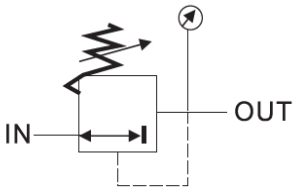
OR Series Air Regulator：

1.Ordering Code :

OR	-	MINI	-	1/4
↑		↑		↑
Model		Body size		Port size
Air Regulator		MINI		1/8: G1/8
		MIDI		1/4: G1/4
		MAXI		3/8: G3/8
				1/2: G1/2
				3/4: G3/4
				1: G1

Graphic Symbol



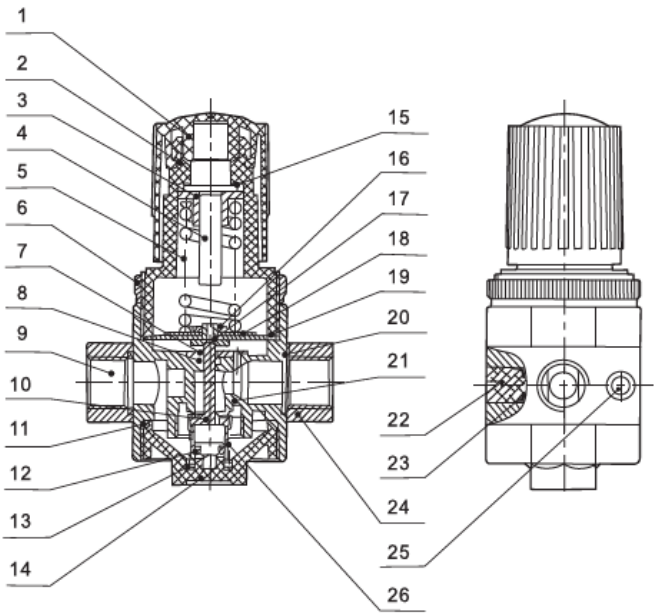
2.Characteristics:

1) The OR maintain imputting constant operating pressure despite fluctuation in line pressure&the amount of air consumed.
2) Different thread type can be offered according to customers' requirements, e.g.: PT, NPT etc.

3.Specification:

Boby size	MINI			MIDI			MAXI	
Model	OR-MINI-1/8	OR-MINI-1/4	OR-MINI-3/8	OR-MIDI-3/8	OR-MIDI-1/2	OR-MIDI-3/4	OR-MAXI-3/4	OR-MAXI-1
Applicable medium	Compressed Air							
Mounting type	Pipe mounting or foot mounting							
Assembly position	Any position							
Working pressure range	0.05~1.2 MPa							
Temperature range	0℃~60℃							
Nominal flow rate L/min	800	1500	1700	3200	3500	3500	11000	11500
Port size	G1/8	G1/4	G3/8	G3/8	G1/2	G3/4	G3/4	G1

4.Internal Structure:

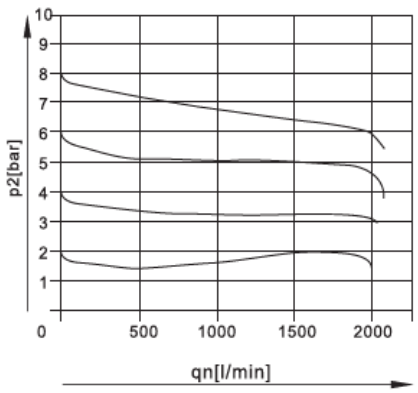


NO	Item	Material
1	Pressure knob	POM
2	Regulator cap	POM
3	Regulator nut	S35C
4	Adjusting spindle	S35C
5	Pressure spring	SWC
6	Fixed ring	6061-T6
7	One part of membrane	NBR
8	O-ring	NBR
9	Flange-IN	Zinc alloy
10	Spool	Brass
11	O-ring	NBR
12	O-ring	NBR
13	Fasteners	Brass
14	Locker cover	Zinc alloy
15	Wearing sheet	Insulation sheet
16	OR Sheet	NBR
17	Overflow base	6061-T6
18	One part of diaphragm	SPCC
19	Diaphragm	NBR+Nylon Mesh
20	O-ring	NBR
21	OR Body	Zinc alloy
22	Plug	POM
23	O-ring	NBR
24	Flange-OUT	Zinc alloy
25	Allen screw	S35C
26	Spring	SWPB

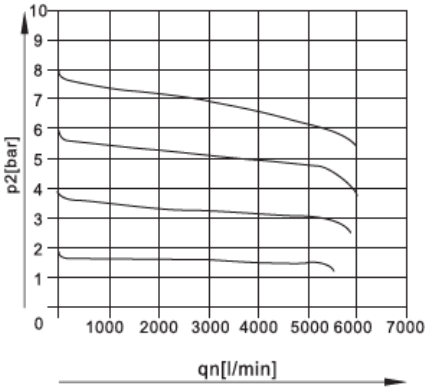
5. Flow rate diagram:

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

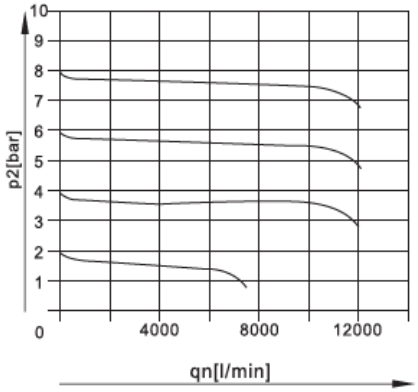
OR-1/4-MINI



OR-1/2-MIDI

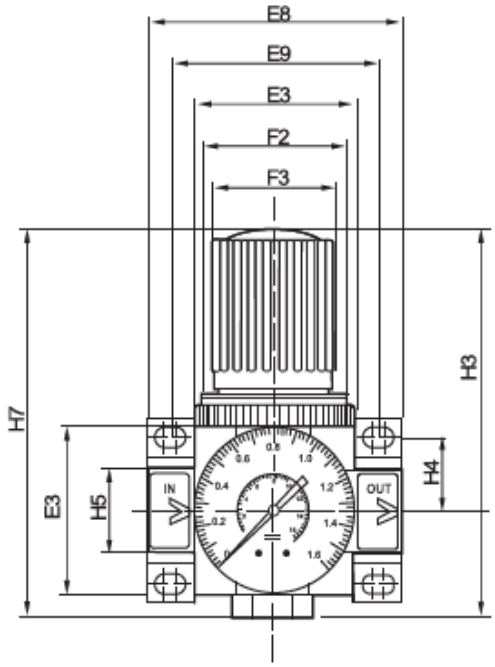


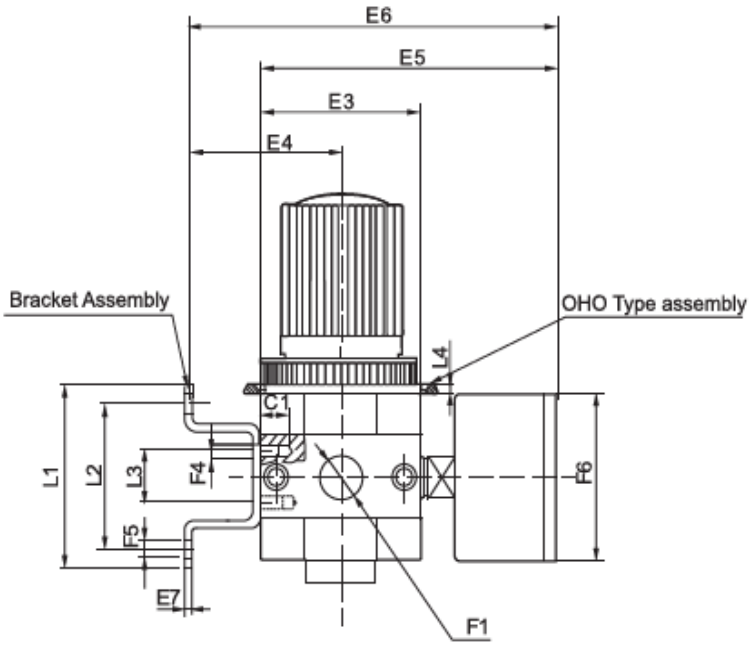
OR-1-MAXI



Primary pressure: p1=10 bar

6. Overall and Dimension Sheet:





Model	E3	E4	E5	E6	E8	E9	F1	F2	F3Φ	F4	F5Φ	F6Φ	L1	L2	L3	L4	H3	H4	H7
OR-MINI	40	39	76	95	64	52	G1/8 ,G1/4 ,G3/8	M36×1.5	31	M4	4.5	40	44	35	11	Max.3	69	17.5	96
OR-MIDI	55	47	93	112	85	70	G1/8 ,G1/2 ,G3/4	M52×1.5	50	M5	5.5	52	71	60	22	Max.5	98	24.5	96
OR-MAXI	66	53	104	124	96,116	80,91	G3/4 ,G1	M36×1.5	31	M5	5.5	63	71	60	22	Max.4	80	24.5	96