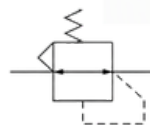




Symbol



Ordering code

AR		2000		02	
Model		Series code		Port size	
AR	A Series	1000	1000 Series	M5	M5
	Pressure	2000	2000 Series	02	1/4
	Regulator	3000	3000 Series	03	3/8
		4000	4000 Series	04	1/2
		5000	5000 Series	06	3/4
				10	1"

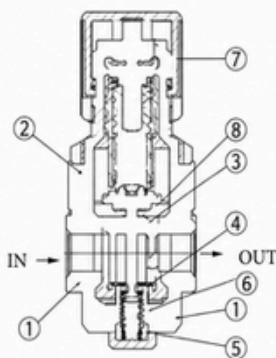
SPECIFICATIONS

Model	AR1000-M5	AR2000-02	AR3000-02	AR3000-03	AR4000-03	AR4000-04	AR4000-06	AR5000-06	AR5000-10
Port size Rc(PT)	M5×8	1/4"	1/4"	3/8"	3/8"	1/2"	3/4"	3/4"	1"
Pressure gauge size Rc(PT)	1/16"	1/8"	1/8"	1/8"	1/4"	1/4"	1/4"	1/4"	1/4"
Rated flow (L/min)	100	550	2500	2500	6000	6000	6000	8000	8000
Proof pressure (Max.)	1.5 MPa (15.3 kgf/cm ²)								
Max. operating pressure	1.0 MPa (10.2 kgf/cm ²)								
Temperature range	5 ~ 60°C								
Pressure range	AR1000: 0.05~0.7 MPa (0.51~7.1 kgf/cm ²); AR2000~5000: 0.05~0.85 MPa (0.51~8.7 kgf/cm ²)								
Valve type	With overflow								
Weight (kg)	0.08	0.27	0.41	0.41	0.84	0.84	0.94	1.19	1.19

Note: 1. AR2000~5000 also have regulating range 0.02~0.2 MPa (kgf/cm²).

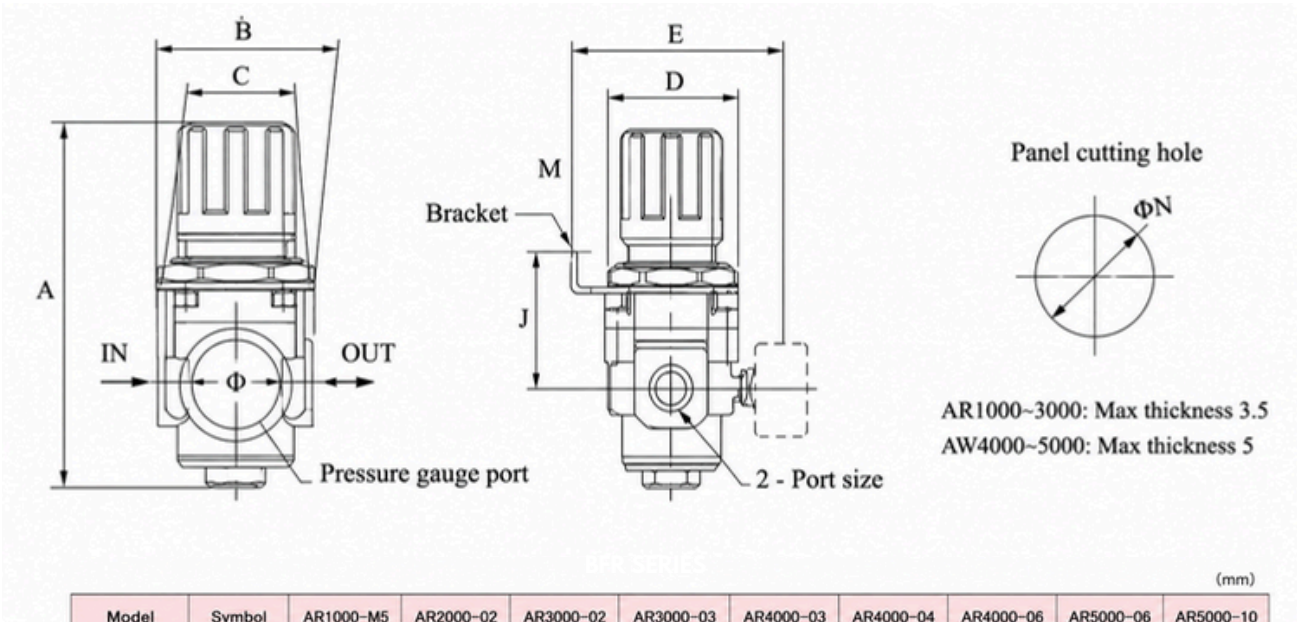
2. When the supply pressure is 0.7 MPa (7.1 kgf/cm²), and the secondary pressure is set to 0.5 MPa (5.1 kgf/cm²).

INNER STRUCTURE



No	Parts name	Material		
		AR1000	AR2000~3000	AW4000~5000
1	Valve body	Zinc die casting	Aluminum die casting	Aluminum die casting
2	Valve cover	Reinforced Nylon	Aluminum die casting	Aluminum die casting
3	Film	Rubber		
4	Valve core	Brass, Rubber		
5	Spring	Stainless steel		
6	O-ring	Rubber		
7	Hand wheel	Reinforced nylon		
8	O-ring	Rubber		
9	O-ring	Rubber		

DIMENSIONS



Model	Symbol	AR1000-M5	AR2000-02	AR3000-02	AR3000-03	AR4000-03	AR4000-04	AR4000-06	AR5000-06	AR5000-10
A	A	91	97	97	97	122	122	123	168	168
B	B	52	53	53	53	70	70	70	90	90
C	C	25	25	25	25	33	33	33	45	45
D	D	39	40	40	40	52	52	52	70	70
E	E	40	46	46	46	54	54	54	66	66
J	J	31	31	31	31	35	35	35	45	45
M	M	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.2	3.2
N	ΦN	28	28	28	28	34	34	34	45	45
Port size		M5×0.8	1/4"	1/4"	3/8"	3/8"	1/2"	3/4"	3/4"	1"