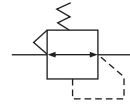




Symbol



Ordering code

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

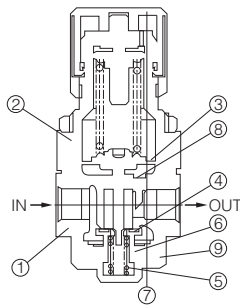
Specification

Model	AR1000-M5	AR2000-02	AR3000-02	AR3000-03	AR4000-03	AR4000-04	AR4000-06	AR5000-06	AR5000-10
Port size	M5×8	1/4	1/4	3/8	3/8	1/2	3/4	3/4	1
Pressure gauge size	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	1.5MPa{15.3kgf/cm ² }								
Max. pressure	1.0MPa{10.2kgf/cm ² }								
Temperature range	5~60°C								
Pressure range	AR1000: 0.05-0.7MPa(0.51~7.1kgf/cm ²); AR2000~5000: 0.05~0.85MPa(0.51~8.7kgf/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

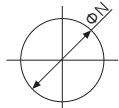
Note: 1. AR2000~5000 There are Pressure range: 0.02~0.2MPa(kgf/cm²);

2. Supply pressure of 0.7MPa(7.1kgf/cm²), two times the pressure set to 0.5MPa(5.1kgf/cm²)case.

Inner structure



Panel cutting hole



AW1000: Max thickness 3.5
AW2000: Max thickness 5

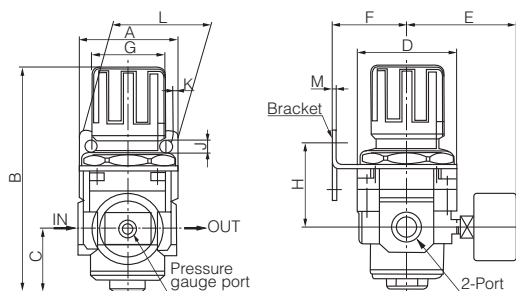
Main parts

No.	Name	Material			Note
		AR1000~2000	AR3000	AR4000/AR5000	
1	Valve body	Zinc die casting	Aluminum die casting	Aluminum die casting	Platinum Plated Silver
2	Valve cover	Metaldehyde		Aluminum die casting	Black plated

Parts list

No.	Parts name	Material	Parts No.					
			AR1000	AR2000	AR3000	AR4000	AR4000-06	AR5000
3	Diaphragm assembly	NBR						
4	Valve assembly	Brass NBR						
5	Valve spring	Stainless steel						
6	Valve type O sealing ring	NBR						
7	Piston minimum Y washer	NBR						
8	O type seal ring	NBR						
9	O type seal ring	NBR						
10	Pressure regulating spring	-						
11	Exhaust valve assembly	-						

Dimensions



Model	Port size	A	B	C	D	E	F	G	H	J	K	L	M	N
Ar1000	M5×0.8	30	61.5	11	25	26	25	28	30	4.5	6.5	40	2.0	20.5
AR2000	1/4	40	95	17	40	56.8	30	30	45	5.4	15.4	55	2.3	33.5
AR3000	1/4-3/8	53	127.5	35	53	60.8	41	41	46	6.5	8.0	53	2.3	42.5
AR4000	3/8-1/2	70	149.5	37.5	70	65.5	50	50	54	8.5	10.5	70	2.3	52.5
AR4000-06	3/4	75	154.5	40.5	70	69.5	50	50	56	8.5	10.5	70	2.3	52.5
AR5000	3/4-1	90	168	48	90	75.5	70	70	65.8	11	13	90	3.2	52.5