

Pressure Reducer AR1000-5000



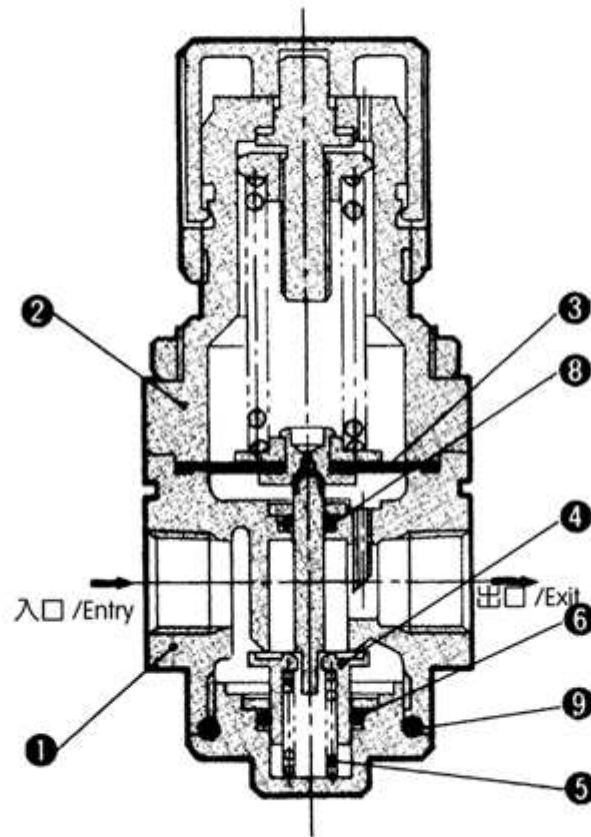
Ensured Pressure Resistance	1.5MPa(15kgf/cm ²)
Highest Working Pressure	1.0MPa(10kgf/cm ²)
*Pressure Regulating Range	AR1000:0.05-0.7 MPa(0.51-7kgf/cm ²) AR:2000-5000:0.05-0.85 MPa(0.5-8.5kgf/cm ²)
Ambient and Fluid Temperature	5-60℃
Valve Type	With Overflow
Pressure Regulating Range:0.02-0.2 Mpa(0.2-2kgf/cm ²)	

Model	Specifications				Accessories	
	*Rated Flow (L/min)	**Port Size)	Pressure GaugeSize(G)	Weight (kg)	Bracket	Pressure Gauge
AR1000-M5	100	M5	1/16	0.08	B120	G27-10-R1
AR2000-01	550	1/8	1/8	0.27	B220	G36-10-01
AR2000-02		1/4				
AR2500-02	2000	1/4	1/8	0.27	B220	G36-10-01
AR2500-03		3/8				
AR3000-02	2500	1/4	1/8	0.41	B320	
AR3000-03		3/8				
AR4000-03	6000	3/8	1/4	0.84	B420	G46-10-02
AR4000-04		1/2				
AR4000-06	6000	3/4	1/4	0.94		
AR5000-06	8000	3/4	1/4	1.19		
AR5000-10		1				

* Under the circumstance that the supply pressure is 0.7Mpa(7.1kgf/cm²)and set pressure is 0.5Mpa(5.1kgf/cm²).

Rc.and NPT port size are available

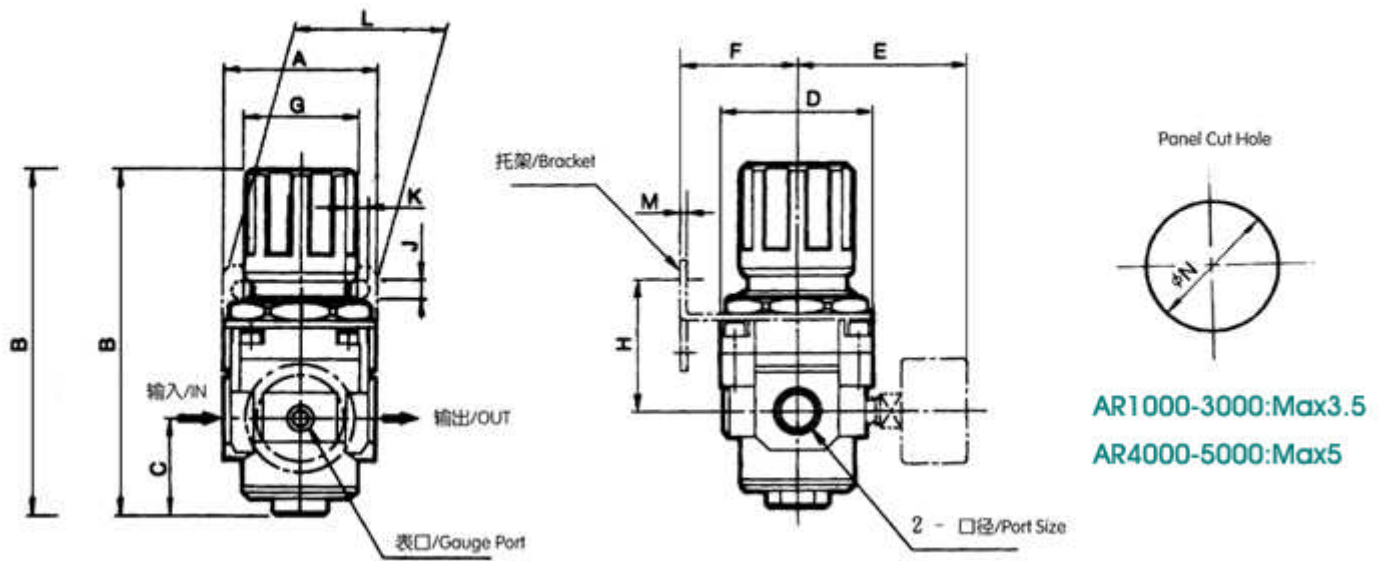
Structural Diagram /List of Components



AR1000-5000

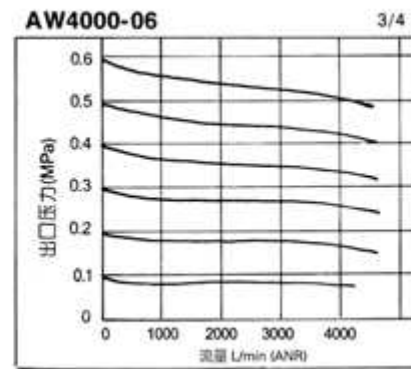
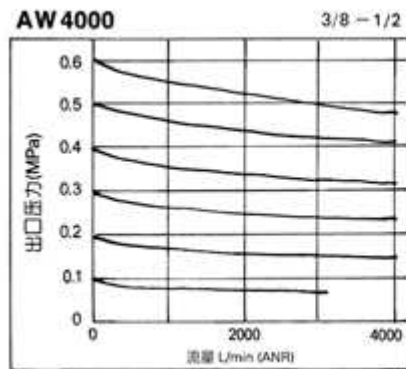
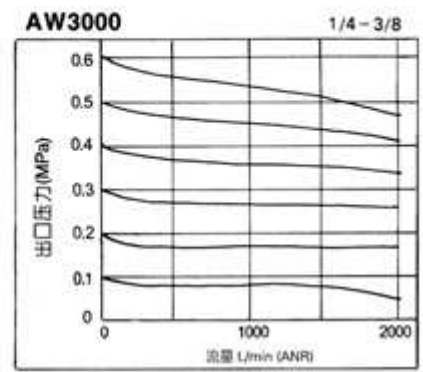
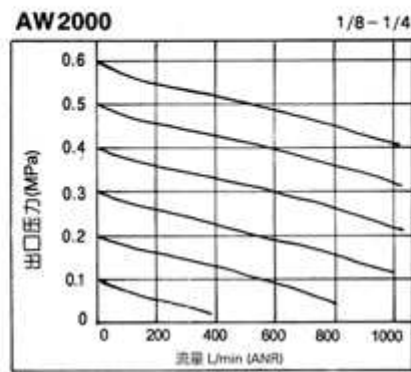
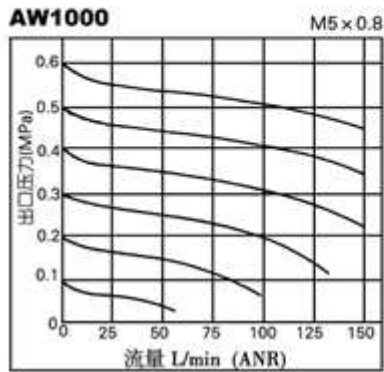
No .	Denomination	Material		
		AR1000	AR2000-3000	AR4000-5000
1	Valve Body	Zinc Die Casting		Aluminum Die Casting
2	Valve Cover	Reingorced Nylon		Aluminum Die Casting
3	Film	Rubber		
4	Valve Core	Brass , Rubber		
5	Spring	Stainless Steel		
6	O-ring	Rubber		
7	Hand Wheel	Reinforced Nylon		
8	O-ring	Rubber		
9	O-ring	Rubber		

Overall Dimension Drawing (mm) AR1000-5000



Model	Port Size G	A	B	C	D	E	F	G	H	J	K	L	M	N
AR1000	M5	25	61.5	11	25	26	25	28	30	4.5	6.5	40	2	20.5
AR2000	1/8-1/4	40	95	17	40	56.8	30	34	44	5.4	15.4	55	2.3	33.5
AR2500	1/4-3/8	53	102.5	25	48	60.8	30	34	44	5.4	15.4	55	2.3	33.5
AR3000	1/4-3/8	53	127.5	35	53	60.8	39	40	46	6.5	8	53	2.3	42.5
AR4000	3/8-1/2	70	149.5	37.5	70	65.5	49.2	54	54	8.5	10.5	70	2.3	52.5
AR4000-06	3/4	75	154	40.5	70	69.5	49.2	54	55.5	8.5	10.5	70	2.3	52.5
AR5000	3/4-1	90	168	48	90	75.5	49.2	54	62	8.5	10.5	70	2.3	52.5

Characteristic Curve of Flow Rate



Characteristic Curve of Pressure

