Water regulating valves stainless body series

Type AWR / VWR

Type AWR

Type VWR

FEATURES

- Applying stainless steel casting for the fluid contact part enables control operation maintaining cleanliness of fluid. (Other parts except fluid contact are used Brass etc.)
- Following high reliability and quality of current AWR / VWR series.

SPECIFICATIONS

- Max operating temp. : 60℃
- Max working press. : AWR 0.98MPa (Water side), 1.96MPa (Refrigerant side)
  VWR 1.0MPa (Water side), 4.2MPa (Refrigerant side)
- Material of body : Stainless Steel Casting

EXPLAINATION FOR CATALOG NO.

AWR – 12 03 G L W S
I II III IV V VI VII

I	Type
II	Port size
III	Connection size
IV	Connection style
V	Pressure range
VI	Fluid
VII	Material of body

VWR – 15 04 G S
I II III IV V

I	Type
II	Port size
III	Connection size
IV	Connection style
V	Material of body

Catalog number		Connection		Valve operation	Press. adjustable range (MPa)	Factory setting Press. (MPa)	Weight (kg)
Type	Model	Style	Thread size				
AWR	1203GLWS	Rc *1	3/8"	Open on pressure increase	0.59～1.77	0.74	0.7
	1504GLWS		1/2"				0.8
	2006GLWS		3/4"				1.0
	2510GLWS		1"				1.8
	3212GLWS		1-1/4"				1.9
VWR	1203GS		3/8"		1.50～2.90	2.40	0.7
	1504GS		1/2"				0.9
	2006GS		3/4"				1.0

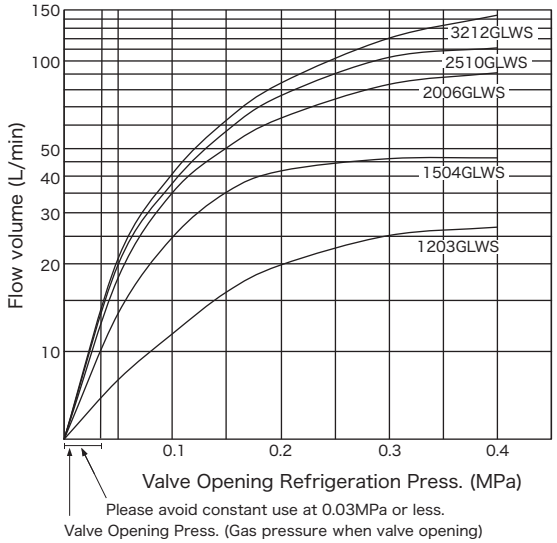
＊1 Parallel female thread connection (G), American National Standard Taper Pipe Thread (NPT) is also available. Please contact us.

Flow capacity

Flow Capacity shows respectively refrigeration press. diff. at horizontal axis and flow rate of cooling water at vertical axis considering water press. diff. before and behind a valve with 0.1MPa. (press. diff. between inlet and outlet of valve) In case of water press. diff. before and behind a valve is excepting for 0.1MPa, value is calculated multipling by coefficient in compensation table.

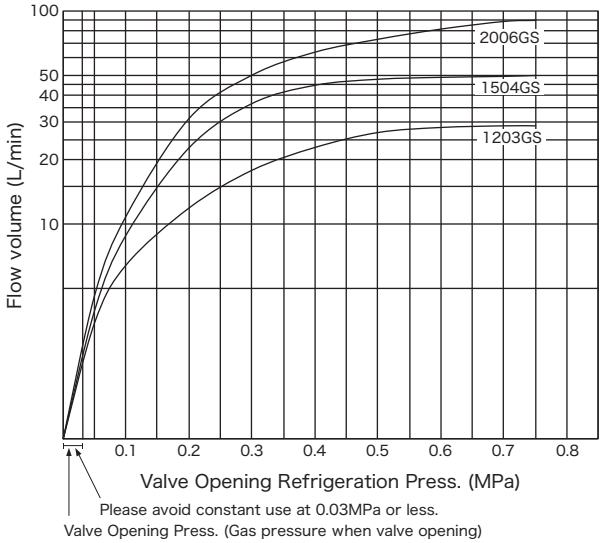
Type AWR

Water pressure difference before and behind a valve : 0.1MPa



Type VWR

Water pressure difference before and behind a valve : 0.1MPa



∗ Valve Opening Refrigerant Press. Diff. means difference between valve opening press.(Setting Press.) and actual working press.

Adjustment

Catalog number		Change in press. Setting (MPa / One full turn)
AWR	1203GLWS	Approx. 0.1
	1504GLWS	
	2006GLWS	
	2510GLWS	Approx. 0.075
	3212GLWS	
VWR	1203GS	Approx. 0.2
	1504GS	
	2006GS	

Amount of change by one full rotation of adjusting screw is shown below. Please refer as a guide when adjusting.

∗ Rotate counterclockwise : increase the setting pressure
Rotate clockwise : decrease the setting pressure

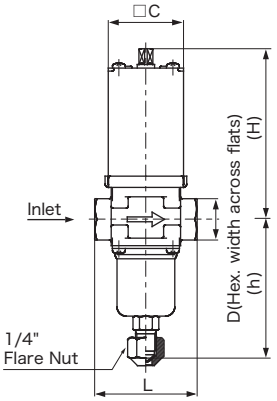
Compensation coefficient table by water pressure difference

Allowable press. drop across valve (MPa)	Coefficient
0.2	1.4
0.1	1
0.03	0.55
0.05	0.7
0.07	0.8

Please select the allowable value of maximum pressure drop across the water regulating valve in the design of water circuit.

Please do not to exceed the value of "Flow volume by multiplying the flow rate curve by this coefficient" to keep below the allowable pressure drop across valve listed left.

Dementions



Catalog number		D	L	H	h	□C
AWR	1203GLWS	22	55	91	72	40
	1504GLWS	27	70	100	83	42
	2006GLWS	32	80	104	87	
	2510GLWS	40	90	116	97	59
	3212GLWS	50	100	121	102	
VWR	1203GS	22	55	91	72	40
	1504GS	27	70	100	83	42
	2006GS	32	80	104	87	

⚠ NOTES FOR SAFETY

Failure to read and follow all instruction carefully before installing or operating the product could cause personal injury and/or property damage.

Specifications are subject to change without notice.

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