

Pressure Actuated Water Regulating Valves

Type **VWR**

FEATURES

- Water regulating valves control cooling-water flow by sensing refrigerant pressure in water-cooled condensers.
- 2-way, pressure-actuated water regulating valves that open as pressure increases.
- Wide proportional control range and excellent flow characteristics for superior controllability.
- Standards: UL/cUL



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SPECIFICATIONS

- Max. operating temperature: 140°F [60°C]
- Max. working pressure: 145 psi [1.0 MPa] (Water side)
522 psi [3.6 MPa] (Refrigerant side)*1
- Body material : Bronze / Stainless steel

*1 Models with a maximum working pressure of 609 psi [4.2 MPa] are also available (Type VWR, non-UL).

DESCRIPTION FOR CATALOG NO.

VWR - U1504GS

I II III IV V VI

I	Type
II	Standards
III	Port size
IV	Connection size
V	Connection style
VI	Stainless steel body (if 'S' is included)

Catalog Number		Connection		Valve Operation	Adjustable Pressure Range (psi [MPa])	Factory Setting Pressure (psi [MPa])	Weight (lb [kg])
Type	Model	Style	Thread Size				
VWR	U1203G	NPT*2	3/8"	Open on pressure increase	145 to 421 [1.0 to 2.9]	348 [2.4]	1.54 [0.7]
	U1504G		1/2"				1.98 [0.9]
	U2006G		3/4"				2.20 [1.0]

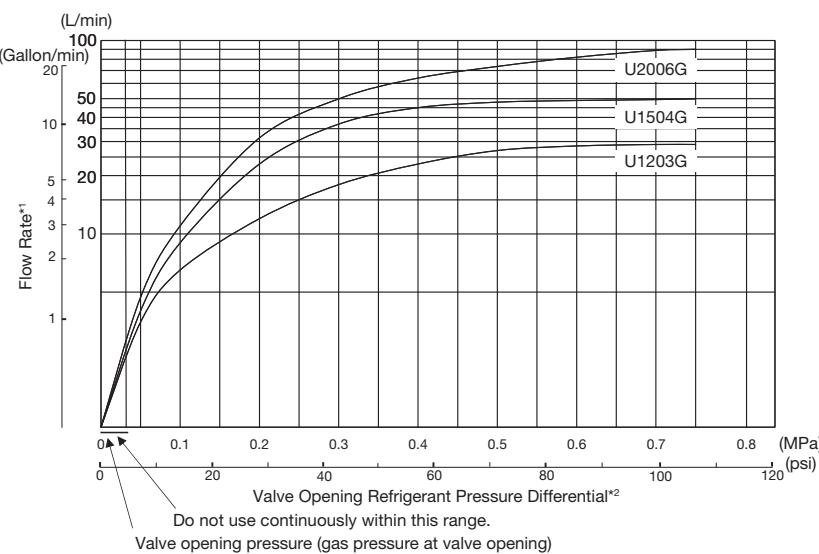
*2 ISO standard pipe threads Rc and G (non-UL), and larger connection sizes (Type AWR, non-UL) are also available.

However, the maximum working pressure for AWR is 284 psi [1.96 MPa] or 399 psi [2.75 MPa], depending on the model number.

FLOW CHARACTERISTICS

The chart below shows the flow characteristics at a water pressure drop of 15 psi [0.1 MPa].

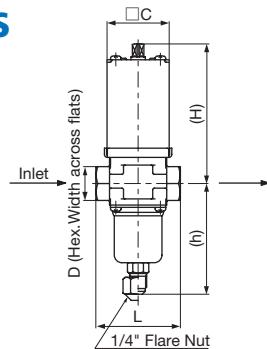
If the water pressure drop differs from 15 psi [0.1 MPa], multiply the flow rate by the factor in the correction factor table.



*1 When the water pressure drop across the valve is 15psi [0.1MPa].

*2 Valve Opening Refrigerant Pressure Differential refers to the difference between the valve opening pressure (setting pressure) and the actual working pressure.

DIMENSIONS



Catalog Number	D	L	H	h	C
VWR	U1203G	0.87 [22]	2.17 [55]	3.58 [91]	2.83 [72] 1.57 [40]
	U1504G	1.06 [27]	2.76 [70]	3.94 [100]	3.27 [83] 1.65 [42]
	U2006G	1.26 [32]	3.15 [80]	4.09 [104]	3.43 [87]

Unit: inch [mm]

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.