

## PRV series condensing pressure regulator

PRV series condensing pressure regulating valve is usually installed in the condenser cooling water on the road (Usually installed in the condenser water side), Changes according to the condensing pressure to regulate the flow of cooling water.

Condensing pressure regulator valve PRV method: Turn the adjustment can be "adjustment screw" clockwise rotation, the control pressure to improve, counterclockwise rotation, the control pressure is reduced.



### Model Parameters

Model		Condenser side			Liquid side			Set the opening pressure ( MPa )	Kv Value m <sup>3</sup> /h		
		Refrigerant	Adjustment range ( MPa )	Max. working pressure ( MPa )	Max. testing pressure ( MPa )	Media	Max. working pressure ( MPa )			Highest temperature ( °C )	
Low pressure	PRV-010G	R134a R22 R407C R404A / 507	0.5 - 1.8	4.2	5.2	Fresh water	1	60	0.8		
	PRV-015G								2.5		
	PRV-020G								3.2		
	PRV-025G								5.0		
	PRV-032G								7.1		
	PRV-040G								9		
	PRV-050G								11.8		
	PRV-065G								13.5		
	.....								.....		
High pressure	PRV-010G	R410A	0.7 - 2.5	4.8	6.0	Fresh water	1	60	0.8		
	PRV-015G		0.7 - 2.5						2.4	2.5	
	PRV-020G									3.2	
	PRV-025G									5.0	
	PRV-032G		1.5-2.9							2.4	7.1
	PRV-040G										9
	PRV-050G										11.8
	PRV-065G		13.52								
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Kv value is the flow of water in m<sup>3</sup>/h at a pressure drop across valve of 1bar, ρ=1000kg/m<sup>3</sup>.

### Connection Size

Model	Condenser side	Liquid side	Dimensions (mm)	
			Length (L)	Height (H)
PRV-010G	6mm(1/4in) Bell	3/8	100	170
PRV-015G	6mm(1/4in) Bell	G1/2	84	204
PRV-020G	6mm(1/4in) Bell	G3/4	84	204
PRV-025G	6mm(1/4in) Bell	G1	100	220
PRV-032G	6mm(1/4in) Bell	G1-1/4	110	230
PRV-040G	6mm(1/4in) Bell	G1-1/2	110	230
PRV-050G	6mm(1/4in) Bell	G2	120	250
PRV-065G	6mm(1/4in) Bell	G2-1/2	125	265
PRV-080G	6mm(1/4in) Bell	G3	130	270

## Installation and Adjustment

1. Installation, the transmission can be received a condenser at the top of capillary pressure, Corresponding import termination valve diameter cooling water pipes, Export termination condenser cooling water inlet.

2. Factory set pressure 7.5Bar, Users can adjust itself. Regulation may turn "adjustment screw" clockwise rotation, Valve to open big, otherwise, the relevant small.

## Dimensions

