

General Description/描述

BLR/PWV series pressure controlled water valves are usually installed on the inlet of condenser, which can regulate the flow of cooling water according to the change of condensing pressure.

When condensing pressure of compressor rises, valve is turned up automatically, so more cooling water enters the condenser to accelerate the condensing of refrigerant.

Reversely, when condensing pressure of compressor drops, valve is turned down automatically, so cooling water reduces and the condensing pressure is kept within certain range.

The BLR/PWV condensing pressure regulating valve regulating method:
Rotatable adjustment 'adjustment screw' clockwise turn the valve off a small counter-clockwise rotation, the valve opening large.

BLR/PWV系列冷凝压力调节阀一般安装在冷凝器的冷却水管路上(通常安装在冷凝器的进水端)，根据冷凝压力的变化来调节冷却水的流量。

当压缩机的冷凝压力升高(即冷凝压力升高)时，阀会自动开大，使较多的冷却水进入冷凝器，加快制冷剂冷凝的速度；反之，当冷凝压力下降时，阀会自动关小，使进入冷凝器的冷却水量减少,从而，使冷凝压力保持在一定的范围内。

BLR/PWV冷凝压力调节阀调节方法：
调节时可转动‘调节螺杆’，顺时针转动，阀门关小，逆时针转动，阀门开大。

Technical Date/技术参数

Type 款式	Model 型号	Condenser Side 冷凝器侧				Liquid Side 液体侧			Pressure 设定开启压力 (MPa)	Kv Kv值 m3/h
		Gas 制冷剂	Range 调节范围	Max. Pressure 最大工作压力	Max test 最大试验压力	Medium 介质	Max Work 最大工作压力 (MPa)	Max. Temp. 介质 最高温度 (℃)		
			(MPa)	(MPa)	(MPa)					
Low Pressure 低压	BLR/PWV-3/8	R134a,R22, R407C,R404a, R507	0.5-1.8	2	2.4	Water 淡水	1	60	0.75	0.8
	BLR/PWV-1/2		0.7-2.3	2.6	3				2	2.5
	BLR/PWV-3/4									3.2
	RW-PWV-1									5
High Pressure 高压	BLR/PWV-3/8G	R410a	1.5-2.9	3.8	4.5				2.6	0.8
	BLR/PWV-1/2G									2.5
	BLR/PWV-3/4G									3.2
	BLR/PWV-1G									5

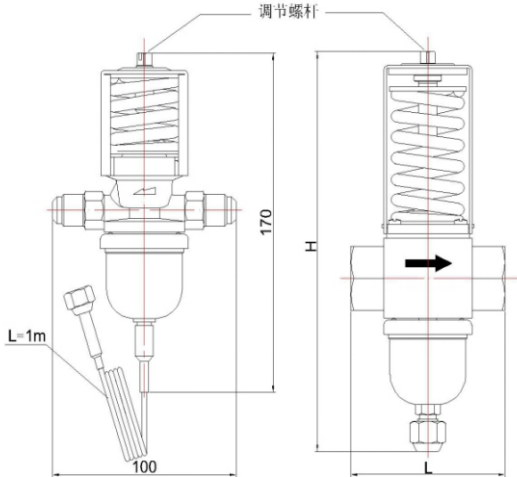


KV Indicates the flow rate of the medium through the valve differential pressure equal to 1 bar, Unit m3/h, $\rho = 1000\text{kg/m}^3$

Kv值表示介质通过阀门压差等于1bar时的流量，单位为m3/h，密度 $\rho = 1000\text{kg/m}^3$

Connector Size 连接尺寸

Model 型号	Condenser side 冷凝器端	Liquid Side 液体端	外形尺寸Size(mm)	
			长(L)	高(H)
BLR/PWV-3/8 BLR/PWV-3/8G	6mm (1/4in.)ODS	3/8"ODS	100	170
BLR/PWV-1/2 BLR/PWV-1/2G		G1/2	84	204
BLR/PWV-3/4 BLR/PWV-3/4G		G3/4	84	204
BLR/PWV-1 BLR/PWV-1G		G1	100	220



BLR /AV Access Valve
BLR /AV 加液阀

Access Valve

	Model.	Description
	BLR-AV04A	1/4 OD x 2-5/8" copper tube extension
	BLR-AV04B	1/4 OD x 4" copper tube extension
	BLR-AV04C	1/4 OD x 3-1/2" copper tube extension
	BLR-AV04D	1/4 OD x 3-1/8" copper tube extension
	BLR-AV04E	1/4 OD x 2-3/8" copper tube extension
	BLR-AV04F	1/4 OD x 2" copper tube extension
	BLR-AV04H	1/4 OD x 0.75x 2" copper tube extension
	BLR-AV04G	1/4 OD x 1-3/4" copper tube extension
	BLR-AV02A	1/8 OD x2-5/8" copper tube extension
	BLR-AV02B	1/8 OD x4" copper tube extension
	BLR-AV02D	1/8 OD x3-1/8" copper tube extension
	BLR-AV02F	1/8 OD x 2" copper tube extension
	BLR-AV03A	3/16 OD x 2-5/8" copper tube extension
	BLR-AV03B	3/16 OD x 4" copper tube extension
	BLR-AV03D	3/16 OD x3-1/8" copper tube extension
	BLR-AV03F	3/16 OD x 2" copper tube extension
	BLR-AV05A	5/16 OD x2-5/8" copper tube extension
	BLR-AV05B	5/16 OD x 4" copper tube extension
	BLR-AV05D	5/16 OD x3-1/8" copper tube extension
	BLR-AV05F	5/16 OD x 2" copper tube extension
	BLR-AV06A	3/8 OD x2-5/8" copper tube extension
	BLR-AV06B	3/8 OD ? 4" copper tube extension
	BLR-AV06D	3/8 OD x3-1/8" copper tube extension
	BLR-AV06F	3/8 OD x 2" copper tube extension

Straight Solder With 1/8 NPT & 2"Extended Tube

Model.	Description
BLR-AVUX-2R	1/8 NPT to 3/16, 1 /4, 5/16 steps & 1/8 x 2" copper ext.
BLR-AVUX-3R	1/8 NPT to 1/4, 5/16 steps & 3/16 x 2" copper ext.
BLR-AVUX-4R	1/8 NPT to 5/16 steps & 1/4 x2" copper ext.

Step Down Solder With 2 5/8"Extended Tube

Model.	Description
BLR-AV2-02	3/16, 1/4, 5/16 steps with 1/8 OD x2-5/8" copper tube extension
BLR-AV3-03	1/4, 3/8 steps with 3/16 ODX2-5/8" copper tube extension

Straight Solder With 2"Extended Tube and stops

Model.	Description
BLR-AVX-2	1/8 OD X 2" copper tube extension w/core remover
BLR-AVX-2R	1/8 OD X 2" copper tube extension
BLR-AVX-3	3/16 OD X2" copper tube extension
BLR-AVX-3R	3/16 OD X2" copper tube extension w/core remover
BLR-AVX-4	1/4 ODX2" copper tube extension
BLR-AVX-4R	1/4 ODX2" copper tube extension w/core remover
BLR-AVX-5	5/16 ODX2" copper tube extension
BLR-AVX-5R	5/16 ODX2" copper tube extension w/core remover
BLR-AVX-6	3/8 ODX 2" copper tube extension
BLR-AVX-6R	3/8 OD X2" copper tube extension w/core remover

Union Tee With Swivel Nut&Core Depressor

Model.	Description
BLR-AVS-44	1/4 malex1/4 swivel nut on runx1/4 access on branch
BLR-AVS-45	1/4 malex5/16 swivel nut on run x1/4 access on branch

Copper Solder Tee

Model.	Description
BLR-AVT-4	1/4 ODS x 5/16 ODF tube & 1/4 access on branch
BLR-AVT-4R	1/4 ODS x 5/16 ODF tube & 1/4 access on branch w/core remover
BLR-AVT-5	5/16 ODS x 3/8 ODF tube & 1/4 access on branch
BLR-AVT-5R	5/16 ODS x 3/8 ODF tube & 1/4 access on branch w/core remover
BLR-AVT-6	3/8 ODS x 7/16 ODF tube & 1/4 access on branch
BLR-AVT-6R	3/8 ODS x 7/16 ODF tube & 1/4 access on branch w/core remover
BLR-AVW-8	1/2 ODS tube & 1/4 access on branch
BLR-AVW-8R	1/2 ODS tube & 1/4 access on branch w/core remover
BLR-AVW-10	5/8 ODS tube & 1/4 access on branch
BLR-AVW-10R	5/8 ODS tube & 1/4 access on branch w/core remover
BLR-AVW-12	3/4 ODS tube & 1/4 access on branch
BLR-4AVW-12R	3/4 ODS tube & 1/4 access on branch w/core remover
BLR-AVW-14	7/8 ODS tube & 1/4 access on branch
BLR-AVW-14R	7/8 ODS tube & 1/4 access on branch w/core remover

Step Downm Solder

Model.	Description
BLR-CT7000	1/8 ID & 3/16, 1/4,5/16,3/8,1/2 steps
BLR-CT7000R	1/8 ID & 3/16, 1/4,5/16,3/8,1/2 steps w/core remover
BLR-AVU-345R	1/8 NPT to 3/16, 1 /4,5/16 steps & 1 /8 hole
BLR-AV2-456	1/8 ID & 3/16, 1/4, 5/16 steps
BLR-AV2-456R	1/8 ID & 3/16, 1/4, 5/16 steps w/core remover
BLR-AV3-346	3/16 OD tube or 1/4, 3/8 solder
BLR-AV3-346R	3/16 OD tube or 1/4, 3/8 solder w/core remover

Straight Solder

Model.	Description
BLR-AV-34	3/16 OD tube and 1/4 solder
BLR-AV-34R	3/16 OD tube and 1/4 solder w/core remover
BLR-AV-46	1/4 OD tube and 3/8 solder
BLR-AV-46R	1/4 OD tube and 3/8 solder w/core remover

Half Union

Model.	Description
BLR-AVU-24	1/8 NPT and 1/4 OD solder
BLR-AVU-24R	1/8 NPT and 1/4 OD solder w/core remover
BLR-AVU-45	1/8 NPT and 5/16 OD solder
BLR-AVU-45R	1/8 NPT and 5/16 OD solder w/core remover

Union With Flare Nut

Model.	Description
BLR-AVU-4	1/4 male flare x1/4 access
BLR-AVU-4R	1/4 male flare x1/4 access w/core remover

Union

Model.	Description
BLR-AVU-44	1/4 female flare x1/4 access
BLR-AVU-44R	1/4 female flare x1/4 access w/core remover

Model.	Description
BLR-AVS-55	1/4 malex5/16 access on run x 5/16 swivel nut on branch w/depressor
BLR-AVS-55C	1/4 malex5/16 access on run x 5/16 swivel nut on branch w/core
BLR-AVS-64	1/4 malex1/4 access on run x 1/4 swivel nut on branch w/depressor
BLR-AVS-65	1/4 malex1/4 access on run x 5/16 swivel nut on branch w/depressor