

General Description/描述

BLR/FDF series solenoid valves are divided into direct-acting and pilot-operated types, which are mainly used in refrigeration, air conditioners, heat pumps and other systems.

BLR/FDF系列电磁阀分为直动式和先导式，主要用于冷冻冷藏，空调机和热泵等系统的冷媒控制。

Feature/特点

- ◆Coil: low power consumption and good reliability.
线圈: 功耗低、可靠性好。
- ◆Wonderful opening performance, large maximum working pressure difference
开启性能好，最大工作压力差大
- ◆General specifications
通用规格

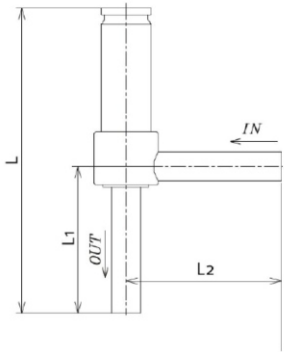
Feature/特点

- ◆Applicable refrigerant: R22, R134a, R407C, R404A, R410A, etc.
适用制冷剂: R22, R134a, R407C, R404A, R410A等
- ◆Medium Temp.: -30°C~ +120°C
介质温度: -30°C~ +120°C
- ◆Ambient Temp.: -30°C~ +50°C
环境温度: -30°C~ +50°C
- ◆Relative humidity: below 95%
相对湿度: 95%以下
- ◆Installation location: liquid pipe, suction and exhaust port
安装位置: 液管, 吸排气口
- ◆The coil is facing upwards, the coil is vertical to the valve body, and the verticality is within 15° deviation of soil
线圈朝上，线圈垂直阀体，垂直度在±15°偏差内
- ◆The flow direction is the direction of the arrow
流向为箭头方向

Technical Data for coil

线圈技术参数

产品系列 Product Series	额定电压 Rated voltage	电压 voltage	额定功率 rated power	绝缘 insulation	接线 Wiring	线长 Line length
	[M]	波动 fluctuation	[W]	等级 grade	类型 type	[mm]
BLR/FQA024	AC24	-15%	5.0/4.5	B	引线式 Lead type	300
BLR/FQA120	AC120					300
BLR/FQA22G	AC220~240					300

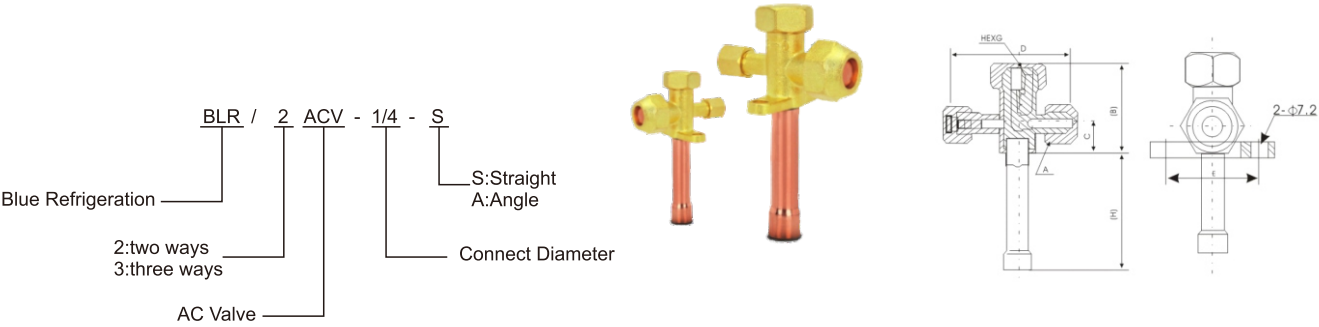


Technical Data for Valve body

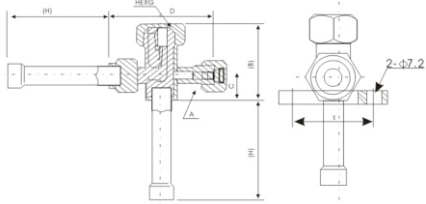
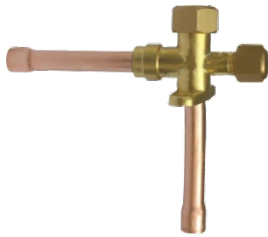
阀体技术参数

产品型号 Product model	动作方式 Action mode	通径 Diameter	kv	最大工作压力 Max. Pressure	最大工作压力差 Maximum diff pressure	最小工作压力差 Minimum diff pressure	接管外径 Take over outer diameter	外形尺寸 Dimensions mm		
		[mm]						L	L1	L2
BLR/FDF 2	直动式 direct-acting	1.9	0.07	4.2	3.4	0	1/4	66	32	34
BLR/FDF 3	先导式 pilot-driven	2.7	0.26	4.2	3.4	0.01	5/16	81	34.5	35.6
BLR/FDF 4		4	0.30	4.2	3.0	0.01	1/4	82	35	38
BLR/FDF 6		5.8	0.56	4.2	3.0	0.01	5/16	81	34.5	35.6
BLR/FDF 8		8	0.94	4.2	3.0	0.01	3/8	120	70	72
BLR/FDF 11		11	2.40	4.2	2.8	0.02	1/2	114	61	61
BLR/FDF 13		13	3.43	4.2	2.8	0.02	5/8	114	61	61

Model Description/命名规则



Part Number	Connect Diameter (inch)	Diameter(mm)	Dimension(mm)						
			A	B	C	D	E	(HEXG)	H
BLR/2ACV-1/4-S	φ 6.35 (1/4)	φ 5.0	7/16 ×20UNF	38	15	24	38	4	60
BLR/2ACV-3/8-S	φ 9.52 (3/8)	φ 5.0	5/8×18UNF	41	16	26	38	4	60
BLR/3ACV-1/4-S	φ 6.35 (1/4)	φ 5.0	7/16 ×20UNF	38	15	49	38	4	60
BLR/3ACV-3/8-S	φ 9.52 (3/8)	φ 7.0	5/8×18UNF	41	19	54	38	4	60
BLR/3ACV-1/2-S	φ 12.7 (1/2)	(φ10.0)	3/4×16UNF	43	17	58	38	4	60
BLR/3ACV-5/8-S	φ15.88 (5/8)	φ12(φ10.5)	7/8×14UNF	51	18	65	38	5	60
BLR/3ACV-3/4-S	φ19.05 (3/4)	φ13(φ 16)	1 ¹ / ₁₆ ×14UNF	62	23.5	73	44	5	60



Part Number	Connect Diameter (inch)	Diameter(mm)	Dimension(mm)						
			A	B	C	D	E	(HEXG)	H×H
BLR/2ACV-1/4 -A	φ 6.35 (1/4)	φ 5.0	7/16 ×20UNF	38	15	24	38	4	60×60
BLR/2ACV-3/8 -A	φ 9.52 (3/8)	φ 5.0	5/8×18UNF	41	16	26	38	4	60×60
BLR/3ACV-1/4 -A	φ 6.35 (1/4)	φ 5.0	7/16 ×20UNF	38	15	49	38	4	60×60
BLR/3ACV-3/8 -A	φ 9.52 (3/8)	φ 7.0	5/8×18UNF	41	19	54	38	4	60×60
BLR/3ACV-1/2 -A	φ 12.7 (1/2)	(φ10.0)	3/4×16UNF	43	17	58	38	4	60×60
BLR/3ACV-5/8 -A	φ15.88 (5/8)	φ12(φ10.5)	7/8×14UNF	51	18	65	38	5	60×60
BLR/3ACV-3/4 -A	φ19.05 (3/4)	φ13(φ 16)	1 ¹ / ₁₆ ×14UNF	62	23.5	73	44	5	60×60

Other Design are also available
其他款式的也可以提供

