Honeywell

开关型电动二通阀 / 三通阀

VS9 系列安装说明书

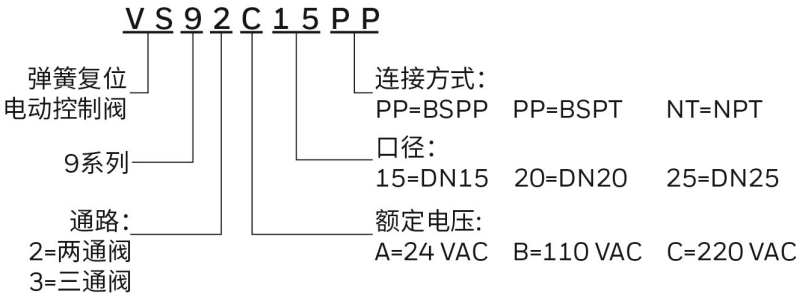
基本参数

执行器部分		阀体部分	
工作电源	220 VAC ± 10 %，110 VAC ± 10 %，24 VAC ± 10 %，50 / 60 Hz	适用介质	冷、热水或 50 % 乙二醇溶液
		介质温度	0 °C – 94 °C
控制方式	开关型，带有弹簧复位功能，断电常闭	工作环境温度	0 °C – 50 °C
工作环境温度	0 °C – 50 °C	工作相对湿度	10 % – 90 % RH
工作相对湿度	10 % – 90 % RH 无冷凝水	运输存储温/湿度	-20 °C – 65 °C， 10 % – 90 % RH 无冷凝水
功率	⩽ 8 VA	公称压力	PN20
动作时间	开启：⩽ 20 s； 关闭：⩽ 15 s	材质	阀体 — HPb59-2
			阀杆 — HPb59-2
防护等级	IP20		密封阀瓣 — EPDM

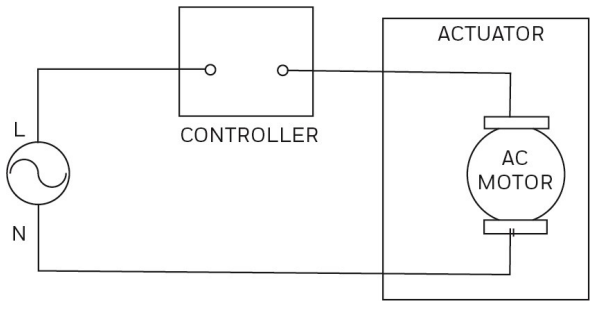
型号规格

型 号	尺 寸	规 格	Kv值	关闭压力 PSI (MPa)
VS92X15XX	1/2” (15 mm)	二通	2.0 ± 10%	43 (0.3)
VS92X20XX	3/4” (20 mm)		2.4 ± 10%	36 (0.25)
VS92X25XX	1” (25 mm)		4.2 ± 10%	30 (0.2)
VS93X15XX	1/2” (15 mm)	三通	2.0 ± 10%	43 (0.3)
VS93X20XX	3/4” (20 mm)		2.4 ± 10%	36 (0.25)
VS93X25XX	1” (25 mm)		4.2 ± 10%	30 (0.2)

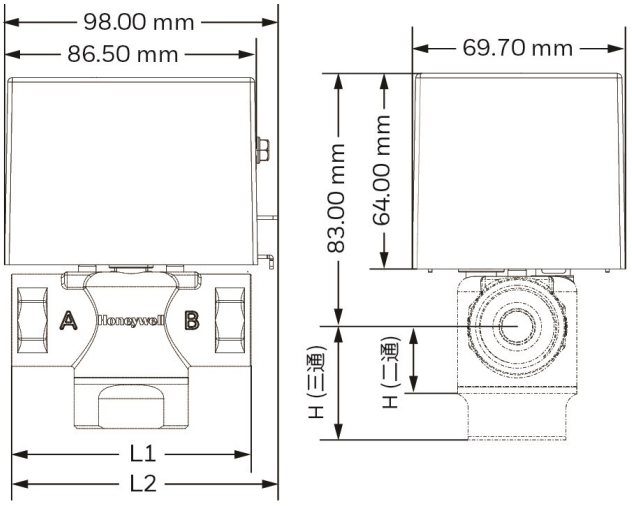
命名规则



接线图



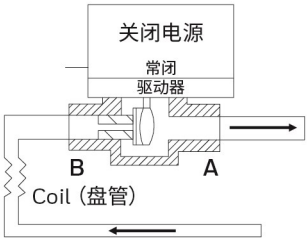
尺寸



型 号	尺寸 (mm)		
	L1	L2	H
VS92X15XX	78.00	89.00	19.00
VS92X20XX	82.00	91.00	21.50
VS92X25XX	88.00	94.00	24.50
VS93X15XX	78.00	89.00	34.00
VS93X20XX	82.00	91.00	37.00
VS93X25XX	88.00	94.00	45.00

安装注意事项

图 1 二通阀(常闭)管道安装



三通只作与 B 口常闭布置；若用于常开，需将阀移转 180° 。

图 2 三通阀混合布置(常闭)管道安装

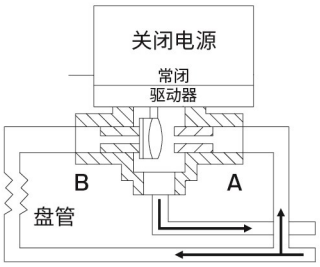
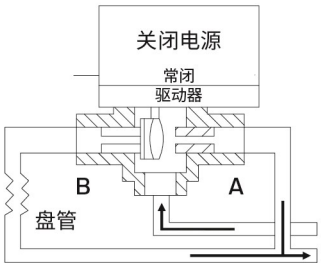


图 3 三通阀分流布置(常闭)管道安装



- 流向是由端“B”到端“A”(见图 1)。
- 当安装常闭型驱动器时，必须先把手动操作杆扳到“开”位置。
- 当第一次使用时，手动操作杆会转移至自动位置上。
- VS9 系列电动阀是为全封闭式系统设计。不建议在开式系统使用。在开式系统里，过多的氧气及氯气溶解会侵蚀阀体材料，形成过早的损坏。

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版本：A

Honeywell

On-off 2-way/3-way FCU Electric Control Valves

VS9 Series Installation Instructions

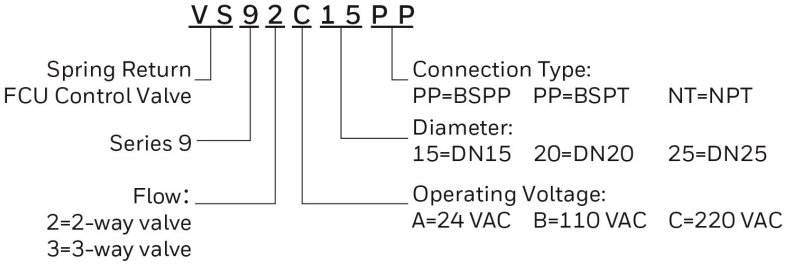
Specifications

Actuator		**Valve Body**	
Operating Voltage	220 VAC ± 10 %, 110 VAC ± 10 %, 24 VAC ± 10 %, 50 / 60 Hz	Applicable Medium	Cold, hot water, or up to 50 % glycol
		Medium Temperature	0 °C – 94 °C
Control Mode	On-off, Spring return, normally closed when powered off	Operating Temperature	0 °C – 50 °C
Operating Temperature	0 °C – 50 °C	Operating Relative Humidity	10 % – 90 % RH
Operating Relative Humidity	10 % – 90 % RH, non-condensing	Storage Conditions	-20 °C – 65 °C, 10 % – 90 % RH non-condensing
Power	⩽ 8 VA	Nominal Pressure	PN20
Operating Time	Open: ⩽ 20 s; Close: ⩽ 15 s	Materials	Valve body — HPb59-2
			Valve stem — HPb59-2
Protection Rating	IP20		Valve Flap — EPDM

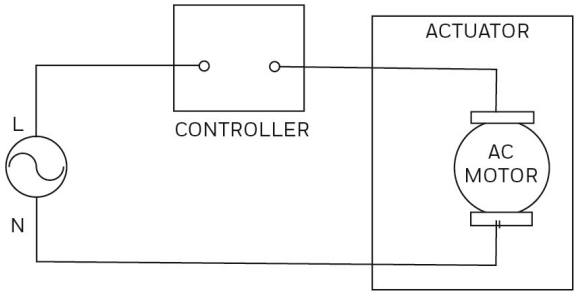
Ordering Information and Parameters

Models	**Dimensions**	**Flow**	**Kv**	**Close-off Differential Pressure PSI (MPa)**
VS92X15XX	1/2” (15 mm)	2-way	2.0 ± 10%	43 (0.3)
VS92X20XX	3/4” (20 mm)		2.4 ± 10%	36 (0.25)
VS92X25XX	1” (25 mm)		4.2 ± 10%	30 (0.2)
VS93X15XX	1/2” (15 mm)	3-way	2.0 ± 10%	43 (0.3)
VS93X20XX	3/4” (20 mm)		2.4 ± 10%	36 (0.25)
VS93X25XX	1” (25 mm)		4.2 ± 10%	30 (0.2)

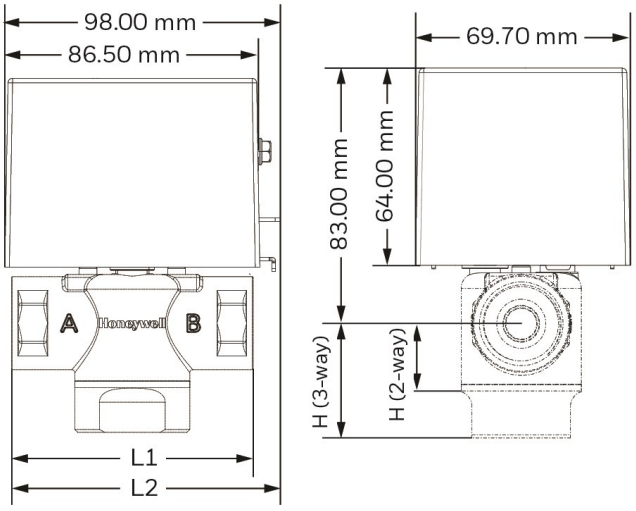
Product Naming



Wiring Diagram



Dimensions (mm)



Models	Dimensions (mm)		
	L1	L2	H
VS92X15XX	78.00	89.00	19.00
VS92X20XX	82.00	91.00	21.50
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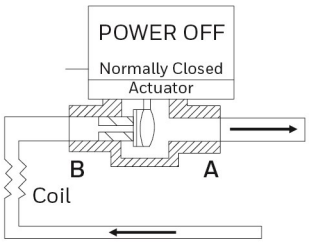
VS93X15XX	78.00	89.00	34.00
VS93X20XX	82.00	91.00	37.00
VS93X25XX	88.00	94.00	45.00

Installation Precautions

Figure 1 2-way Normally Closed to the Coil



3-way is only used for normally closed configuration with port B. If it is used for normally open configuration, rotate the valve with 180°.

Figure 2 3-way Valve in Mixing Configuration, Normally Closed to Coil

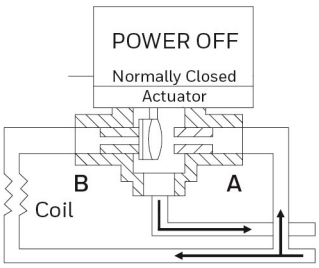
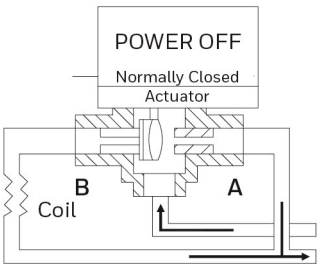


Figure 3 3-way Valve in Diverting Configuration, Normally Closed to Coil



- The flow direction is from “B” to “A” (see Figure 1).
- When installing the actuator of normal-closed valve, you must put the manual lever to the “Open” position.
- The manual lever of the actuator will move to the automatic position when you first operate the valve.
- VS9 series are designed for fully closed systems, which is not suggested to be used in an open system. In the open system, excessive dissolved oxygen and chlorine will erode the valve material and cause permanent damage.

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Subject to change without notice.

Rev. A