

CONTROL VALVES

MODULATING ZONE VALVES V5860 SERIES



Honeywell



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CONTROL VALVES

DESCRIPTION

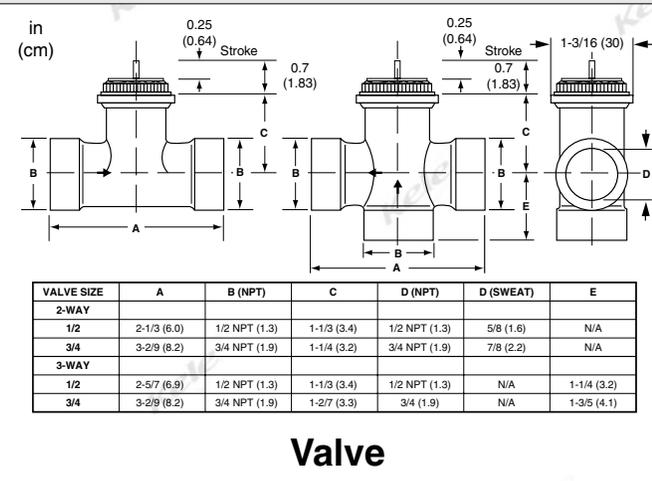
The **Honeywell V5860 Series valve** is designed specifically for use in small hot water or chilled water applications. The **V5860** comes in two-way and three-way configurations in 1/2" and 3/4" FNPT. The wide selection of Cv's offer precise equal percentage control, which is ideal for fan coils, baseboards, and small AHUs. The field-mounted, non-spring return screw-on actuators offer easy installation and modulating control using floating or proportional signals.

FEATURES

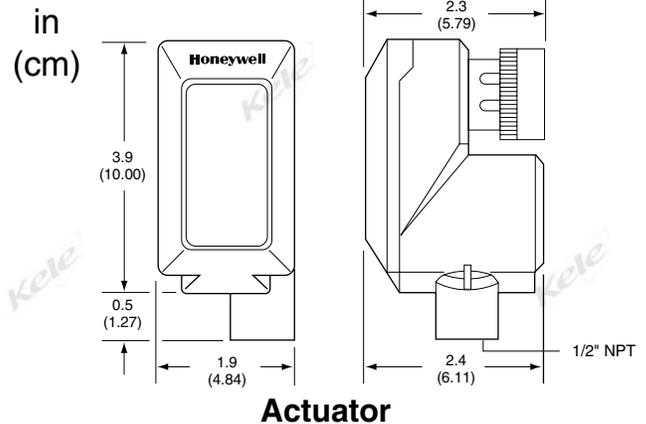
- *Very small Cv's from 0.19 up to 4.9*
- *High quality plug-seat design for precise control*
- *Very quiet operation*
- *Floating or proportional control*
- *Non-spring return actuators*



DIMENSIONS



Valve



Actuator

INDIVIDUAL SPECIFICATIONS

Model	Size	Cv	Maximum Closeoff Pressure	Action	Weight
V5862A2005	1/2"	0.19	65 psid	Stem up on actuator removal, valve open	0.6 lb (0.27 Kg)
V5862A2013	1/2"	0.29	65 psid	Stem up on actuator removal, valve open	0.6 lb (0.27 Kg)
V5862A2021	1/2"	0.47	65 psid	Stem up on actuator removal, valve open	0.6 lb (0.27 Kg)
V5862A2039	1/2"	0.74	65 psid	Stem up on actuator removal, valve open	0.6 lb (0.27 Kg)
V5862A2047	1/2"	1.2	65 psid	Stem up on actuator removal, valve open	0.6 lb (0.27 Kg)
V5862A2054	1/2"	1.9	65 psid	Stem up on actuator removal, valve open	0.6 lb (0.27 Kg)
V5862A2062	3/4"	2.9	45 psid	Stem up on actuator removal, valve open	0.9 lb (0.41 Kg)
V5862A2070	3/4"	4.9	45 psid	Stem up on actuator removal, valve open	0.9 lb (0.41 Kg)
V5863A2004	1/2"	0.29	55 psid	Stem up on actuator removal, ports B-AB open	0.7 lb (0.32 Kg)
V5863A2012	1/2"	0.47	55 psid	Stem up on actuator removal, ports B-AB open	0.7 lb (0.32 Kg)
V5863A2020	1/2"	0.74	55 psid	Stem up on actuator removal, ports B-AB open	0.7 lb (0.32 Kg)
V5863A2038	1/2"	1.2	22 psid	Stem up on actuator removal, ports B-AB open	0.7 lb (0.32 Kg)
V5863A2046	1/2"	1.9	22 psid	Stem up on actuator removal, ports B-AB open	0.7 lb (0.32 Kg)
V5863A1006	3/4"	2.9	26 psid	Stem up on actuator removal, ports B-AB open	1.0 lb (0.45 Kg)
V5863A1014	3/4"	4.9	26 psid	Stem up on actuator removal, ports B-AB open	1.0 lb (0.45 Kg)
M6410A1029	N/A	N/A	N/A	Drive open, drive closed, fail-in-place	0.6 lb (0.27 Kg)
M7410F1000	N/A	N/A	N/A	Direct or reverse acting, switch selectable, fail-in-place	0.6 lb (0.27 Kg)



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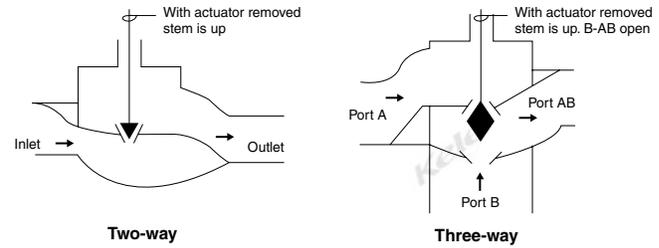
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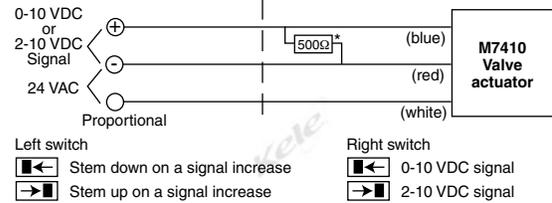
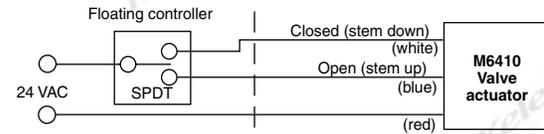
COMMON SPECIFICATIONS

Connections	FNPT
Stroke	1/4"
Body Pattern	2-Way, 3-Way mixing
Flow Characteristic	Equal Percentage (two-way), Linear (three-way)
Pressure Rating	230 psig (1586 kPa)
Materials Of Construction	Brass valve body and trim, stainless steel stem
Media Compatibility	Hot or chilled water, 50% maximum glycol
Media Temperature Range	36° to 230°F (2° to 110°C)
Supply Voltage	24 VAC, 50/60 Hz
Supply VA	0.7 VA (M6410), 1.4 VA (M7410)
Control Signal	Tri-state (floating) (M6410), 0/2-10 VDC or 4-20 mA (M7410)
Conduit Connection	1/2" FNPT hub
Wiring	4.9' (1.5 m) cable
Action	Stem up on actuator removal, valve open (B-AB open for 3-way)
Stroke Time	125 seconds @ 60 Hz, 150 seconds @ 50 Hz
Operating Temperature	32° to 140°F (0° to 60°C)
Enclosure Rating	UL Listed for plenum use, UL94-5V
Warranty	1 year

VALVE FLOW CHARACTERISTICS



WIRING



* 4-20 mA signals with 500Ω resistor

ORDERING INFORMATION

MODEL	DESCRIPTION
2-WAY	
V5862A2005	1/2", 2W, NPT, Cv=0.19
V5862A2013	1/2", 2W, NPT, Cv=0.29
V5862A2021	1/2", 2W, NPT, Cv=0.47
V5862A2039	1/2", 2W, NPT, Cv=0.74
V5862A2047	1/2", 2W, NPT, Cv=1.2
V5862A2054	1/2", 2W, NPT, Cv=1.9
V5862A2062	3/4", 2W, NPT, Cv=2.9
V5862A2070	3/4", 2W, NPT, Cv=4.9
3-WAY	
V5863A2004	1/2", 3W, NPT, Cv=0.29
V5863A2012	1/2", 3W, NPT, Cv=0.47
V5863A2020	1/2", 3W, NPT, Cv=0.74
V5863A2038	1/2", 3W, NPT, Cv=1.2
V5863A2046	1/2", 3W, NPT, Cv=1.9
V5863A1006	3/4", 3W, NPT, Cv=2.9
V5863A1014	3/4", 3W, NPT, Cv=4.9
ACTUATOR	
M6410A1029	Two-position or tri-state (floating), 24 VAC, fail-in-place
M7410F1000	Proportional (0/2-10 VDC, 4-20 mA, with 500Ω resistor), 24 VAC, fail-in-place

Note: Pneumatic and Spring Return Actuators available, call Kele.

RELATED PRODUCTS

SSTAG	Stainless steel tag on bead chain, 1" x 2" dogtag, custom engraved per order
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