

V5852; V5862 Two-way Cartridge Globe Valves



Two-way Cartridge Globe Valves control hot and/or chilled water for VAV terminal units, fan coil units, small reheaters and recoolers in electric/electronic temperature control systems. Used with the M6410 3-position floating Non-Spring Return Valve Actuator and the M7410 selectable 0 to 10 Vdc or 2 to 10 Vdc Non-Spring Return Actuator. The 1/2" and 3/4" valves are compatible with the M6435 floating Spring Return Actuator, the M7435 selectable 0 to 10 Vdc or 2 to 10 Vdc Spring Return Actuator, and the MP958 Pneumatic Actuator. Larger valves (1" through 1-1/2") are pressure balanced, which results in higher close-off pressures.

- Long stroke allows wider range of control
- Soft valve seat provides low leakage rate
- Inserts for 1/2 in. and 3/4 in. valves are changeable without draining valve when used with an insert replacement tool
- Brass body and Stainless Steel stem
- Threaded plastic cover/manual handle allows manual operation
- Easily installed in areas where space is limited

Valve Type: Cartridge Globe Valve

Body Pattern: Two-way

Controlled Medium: Chilled or hot water with up to 50% Glycol; not for use with steam or fuels

Leakage Rating:

1/2 in. and 3/4 in. valves: ANSI Class IV (0.01% of Cv maximum)

1 in., 1 1/4 in., 1 1/2 in. valves: ANSI Class III (less than 0.02% of Cv)

Maximum Safe Operating Pressure: 235 psi (1620 kPa)

Ambient Temperature Range: 36 F to 230 F (2 C to 110 C)

Stem Travel: 1/4 in. (6.4 mm)

Actuation: Must be purchased separately

Materials

(Body): Brass

(Stem): Stainless Steel

(Seat): Brass

(Cartridge): Brass

(Plug/Ball/Disc): Brass

Replacement Parts:

0902812-Replacement Insert for 1/2" V5852/V5862, 0.19 Cv
Interchangeable with 0902809 or 090210

0902814-Replacement Insert for 3/4" V5852/V5862, 2.9 Cv
Interchangeable with 0902815

0902815-Replacement Insert for 3/4" V5852/V5862, 4.9 Cv
Interchangeable with 0902814

0903827-Replacement Packing for 1" V5862/63

0903828-Replacement Packing for 1-1/4" V5862/63

0903829-Replacement Packing for 1-1/2" V5862/63

Accessories:

0902807-Replacement Insert for 1/2" V5852/V5862, 1.9Cv
Interchangeable with 0902808

0902808-Replacement Insert for 1/2" V5852/V5862, 1.2 Cv
Interchangeable with 0902807

0902809-Replacement Insert for 1/2" V5852/V5862, 0.74 Cv
Interchangeable with 0902810 or 090212

0902810-Replacement Insert for 1/2" V5852/V5862, 0.47 Cv
Interchangeable with 0902809 or 090212

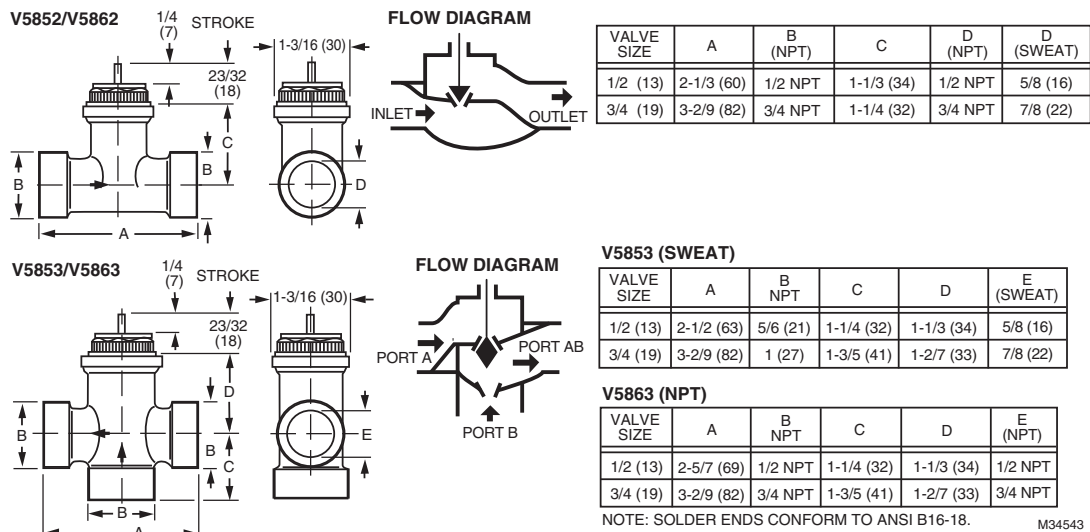
0903827-Replacement Packing for 1" V5862/63

Product Number	Valve Size		Flow Capacity		Flow Characteristic	Connec- tion Type	Valve Action	Maximum Close-off Pressure		Used With
	(inch)	DN	(Cv)	(Kv)				(psi)	(kPa)	
V5852A2007	1/2 in.	DN15	0.19 Cv	0.16 kvs	Equal Percentage	Sweat (Female)	Stem down to close	232 psi	1600 kPa	M6410A1029; M7410F1000; M6435A1004; M7435F1001; MP958
V5852A2015	1/2 in.	DN15	0.29 Cv	0.25 kvs	Equal Percentage	Sweat (Female)	Stem down to close	232 psi	1600 kPa	M6410A1029; M6435A1004; M7410F1000; M7435F1001; MP958
V5852A2023	1/2 in.	DN15	0.47 Cv	0.41 kvs	Equal Percentage	Sweat (Female)	Stem down to close	232 psi	1600 kPa	M6410A1029; M7410F1000; M6435A1004; M7435F1001; MP958
V5852A2031	1/2 in.	DN15	0.7 Cv	0.6 kvs	Equal Percentage	Sweat (Female)	Stem down to close	232 psi	1600 kPa	M6410A1029; M6435A1004; M7410F1000; M7435F1001; MP958
V5852A2049	1/2 in.	DN15	1.2 Cv	1.0 kvs	Equal Percentage	Sweat (Female)	Stem down to close	174 psi	1200 kPa	M6410A1029; M7410F1000; M6435A1004; M7435F1001; MP958
V5852A2056	1/2 in.	DN15	1.9 Cv	1.6 kvs	Equal Percentage	Sweat (Female)	Stem down to close	174 psi	1200 kPa	M6410A1029; M6435A1004; M7410F1000; M7435F1001; MP958
V5852A2064	3/4 in.	DN20	2.9 Cv	2.5 kvs	Equal Percentage	Sweat (Female)	Stem down to close	58 psi	400 kPa	M6410A1029; M7410F1000; M6435A1004; M7435F1001; MP958
V5852A2072	3/4 in.	DN20	4.9 Cv	4.2 kvs	Equal Percentage	Sweat (Female)	Stem down to close	58 psi	400 kPa	M6410A1029; M6435A1004; M7410F1000; M7435F1001; MP958
V5862A2005	1/2 in.	DN15	0.19 Cv	0.16 kvs	Equal Percentage	Female NPT	Stem down to close	232 psi	1600 kPa	M6410A1029; M6435A1004; M7410F1000; M7435F1001; MP958
V5862A2013	1/2 in.	DN15	0.29 Cv	0.25 kvs	Equal Percentage	Female NPT	Stem down to close	232 psi	1600 kPa	M6410A1029; M7410F1000; M6435A1004; M7435F1001; MP958

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	(inch)	DN	(Cv)	(Kv)				(psi)	(kPa)	
V5862A2021	1/2 in.	DN15	0.47 Cv	0.41 kvs	Equal Percentage	Female NPT	Stem down to close	232 psi	1600 kPa	M6410A1029; M6435A1004; M7410F1000; M7435F1001; MP958
V5862A2039	1/2 in.	DN15	0.74 Cv	0.64 kvs	Equal Percentage	Female NPT	Stem down to close	232 psi	1600 kPa	M6410A1029; M7410F1000; M6435A1004; M7435F1001; MP958
V5862A2047	1/2 in.	DN15	1.2 Cv	1.0 kvs	Equal Percentage	Female NPT	Stem down to close	174 psi	1200 kPa	M6410A1029; M6435A1004; M7410F1000; M7435F1001; MP958
V5862A2054	1/2 in.	DN15	1.9 Cv	1.6 kvs	Equal Percentage	Female NPT	Stem down to close	174 psi	1200 kPa	M6410A1029; M7410F1000; M6435A1004; M7435F1001; MP958
V5862A2062	3/4 in.	DN20	2.9 Cv	2.5 kvs	Equal Percentage	Female NPT	Stem down to close	58 psi	400 kPa	M6410A1029; M6435A1004; M7410F1000; M7435F1001; MP958
V5862A2070	3/4 in.	DN20	4.9 Cv	4.2 kvs	Equal Percentage	Female NPT	Stem down to close	58 psi	400 kPa	M6410A1029; M7410F1000; M6435A1004; M7435F1001; MP958
V5862A3003	1 in.	DN25	5.5 Cv	4.8 kvs	Linear	Female NPT	Stem up to close	232 psi	1600 kPa	M6410A3017; M7410F3006; M6435A3000; M7435F3007
V5862A3011	1 in.	DN25	7.8 Cv	6.7 kvs	Linear	Female NPT	Stem up to close	232 psi	1600 kPa	M6410A3017; M7410F3006; M6435A3000; M7435F3007
V5862A3029	1 in.	DN25	11.0 Cv	9.5 kvs	Linear	Female NPT	Stem up to close	232 psi	1600 kPa	M6410A3017; M7410F3006; M6435A3000; M7435F3007
V5862A3037	1 1/4 in.	DN32	18 Cv	15.6 kvs	Linear	Female NPT	Stem up to close	174 psi	1200 kPa	M6410A3017; M7410F3006; M6435A3000; M7435F3007
V5862A3045	1 1/2 in.	DN40	25 Cv	21.6 kvs	Linear	Female NPT	Stem up to close	145 psi	1000 kPa	M6410A3017; M7410F3006; M6435A3000; M7435F3007

Dimensions in inches (millimeters) for Series 2000 V5852A, V5853A, V5862A and V5863A Valves



Dimensions in inches (millimeters) for Series 3000 V5862A and V5863A Valves

