



INDUSTRIAL FLUID POWER COMPONENTS
AND SYSTEMS



VTE-02S SERIES

Electric Actuated Ball Valves

VTE-02S-120A-B2BV-12FP



VTE-02S-24D-D3BV-20FP





VTE-02S Series

Electric Actuated Ball Valves

Standard Features

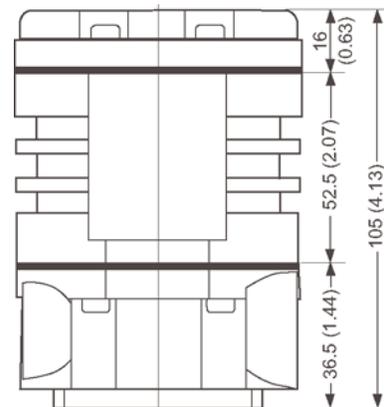
- For Indoor or Outdoor Use
(Submersible Up to 10 Meters/ 30 Feet)
- Manual Override Standard
- 24VAC, 120VAC & 24VDC Voltages Available
- Double Acting
- IP68 Enclosure
- For Use With Ball Valves Sizes 1/2" thru 1-1/4"
- Suitable for ISO5211 Valves, F03, F04, F05.
Square Valve Stem with Sizes of 11x11 or 9x9.
Height of 16mm or Less.
- Long Service Life

VTE-02S-24A



Specifications

Model	VTE-02S		
Power	24VAC	120VAC	24VDC
Output Torque Nm(in.lbs)	18Nm (160 in. lbs.)		
Operation Speed	12 sec.		
Power Consumption	6 W		8 W
Rated Current	1.3 A	0.3 A	0.7 A
Insulation Resistance	100MΩ@500VDC		100MΩ@250VDC
Withstand Voltage	1500VAC@1Min.		550VAC@1Min.
Thermal Protection	standard accessory, built-in, auto-reset type		
Mounting Direction	All directions		
Ambient Temperature	-30°C - +60°C (-22°F - +140°F)		
Valve Connection	ISO5211, □9/11mm x F03/ F04/ F05		
Dimensions mm(in.)	72 (2.84)W x 75 (2.95)L x 102 (4.02)H		
Enclosure	IP68		
Housing Material	Die-cast Aluminum Alloy		
Weight kg(lbs)	1.2 (2.65)		

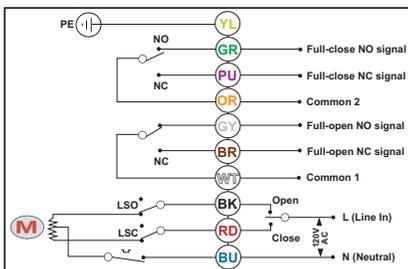


Bottom View

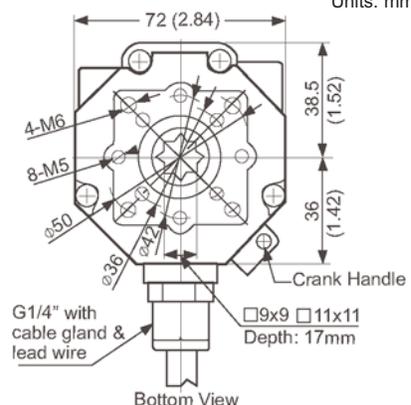
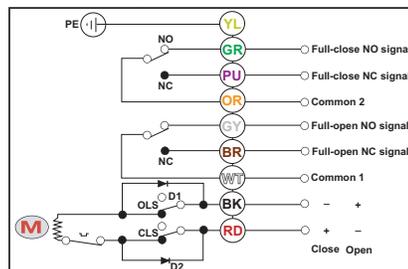
Units: mm (inches)

Wiring Diagram

Type: B - 120VAC & 24VAC



Type: G - 24VDC



Bottom View

Valve Assemblies

Brass 2 pc	Brass 3 pc	316 SS 2 pc	316 SS 3 pc
VTE-02S-*-B2BV-8FP	VTE-02S-*-B3BV-8FP	VTE-02S-*-D2BV-8FP	VTE-02S-*-D3BV-8FP
VTE-02S-*-B2BV-12FP	VTE-02S-*-B3BV-12FP	VTE-02S-*-D2BV-12FP	VTE-02S-*-D3BV-12FP
VTE-02S-*-B2BV-16FP	VTE-02S-*-B3BV-16FP	VTE-02S-*-D2BV-16FP	VTE-02S-*-D3BV-16FP
VTE-02S-*-B2BV-20FP	VTE-02S-*-B3BV-20FP	VTE-02S-*-D2BV-20FP	VTE-02S-*-D3BV-20FP

VTE-02S-120A-B2BV-12FP	VTE-02S-24A-B3BV-16FP	VTE-02S-24A-D2BV-12FP	VTE-02S-24A-D3BV-8FP

*Available Voltages: 24VAC, 120VAC & 24VDC



Top View



Bottom View

Installation Conditions

- VTE-02S can be installed indoors as well as outdoors.
- VTE-02S is not explosion proof. Flammable and explosive environments should be avoided.
- Maintenance space should be reserved for connection and manual operation.
- The ambient temperature should be within the range of -30°C - +60°C (-22°F - +140°F). VTE-02S is not for high temperature environments.

Working Medium Temperature

- When operating with a ball valve, the heat of the working medium will be conducted to the body of the unit.
- When directly mounted to a ball valve, the temperature of the working medium should be 80°C (176°F) or below.
- If the temperature of the working medium is 80°C (176°F) or higher, direct installation is not recommended.

Installation and Application

- VTE-02S is suitable for ISO5211 ball valves. Installation size: F03, F04, F05, square valve stem with sizes of 11x11mm or 9x9mm; Height: 16mm or less.
- During connection, both actuator and valve must be in the closed position.
- After connecting the valve, crank the actuator to full opened and full closed once each to confirm the operation is stable. Check the valve to see if the full opened and full closed positions can be realized within the indication range of the actuator indicator.

Too much force will lead the electric actuator to over-travel and cause damage.

Do not operate the actuator outside the range of the opening indicator.

Notes

Once opened or closed, the actuator **DOES NOT** continue to draw power due to an internal cutoff.

If a power loss occurs the valve will remain in its current position. The actuator is **NOT** spring return.

Ordering Information

VTE-02S - 24A - D3BV - 16 FP

