

2-Way Stainless Steel 316 Tri-Clamp

Motorized Ball Valve

Manual NO. 14744

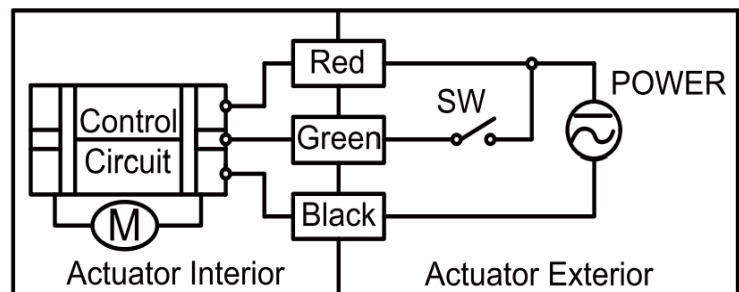
This 2-Way Tri-Clamp Electric Ball Valve is an electrically actuated ON/OFF control valve designed for automatic flow control in water, air, and other compatible fluid systems. Constructed from 316 stainless steel, it provides good corrosion resistance and durability for a wide range of fluid-control applications. The valve features quick-connect tri-clamp ends for convenient installation, removal, inspection, and maintenance. The tri-clamp connection ends have a polished surface, while the center valve body retains a standard industrial finish. It is suitable for water treatment systems, automated processing lines, storage tanks, pumps, filters, and other compatible liquid or air control applications.

Technical Parameters

Maximum Working Pressure	145 PSI	Actuator Rotation	90 degrees
Circulation Medium	Fluid, air	Maximum Torque	3 N.m
Rated Voltage	AC/DC 9-24V	Environment Temperature	-15°C to 50°C (5°F to 122°F)
Working Current	<= 500 mA	Liquid Temperature	2°C to 90°C (36°F to 194°F)
Open/Close Time	<= 5 s	Open/Close Indicator	Yes
Life Time	70,000 cycles	Manual override	Yes
Protection Class	IP67		

WIRING SCHEMATIC

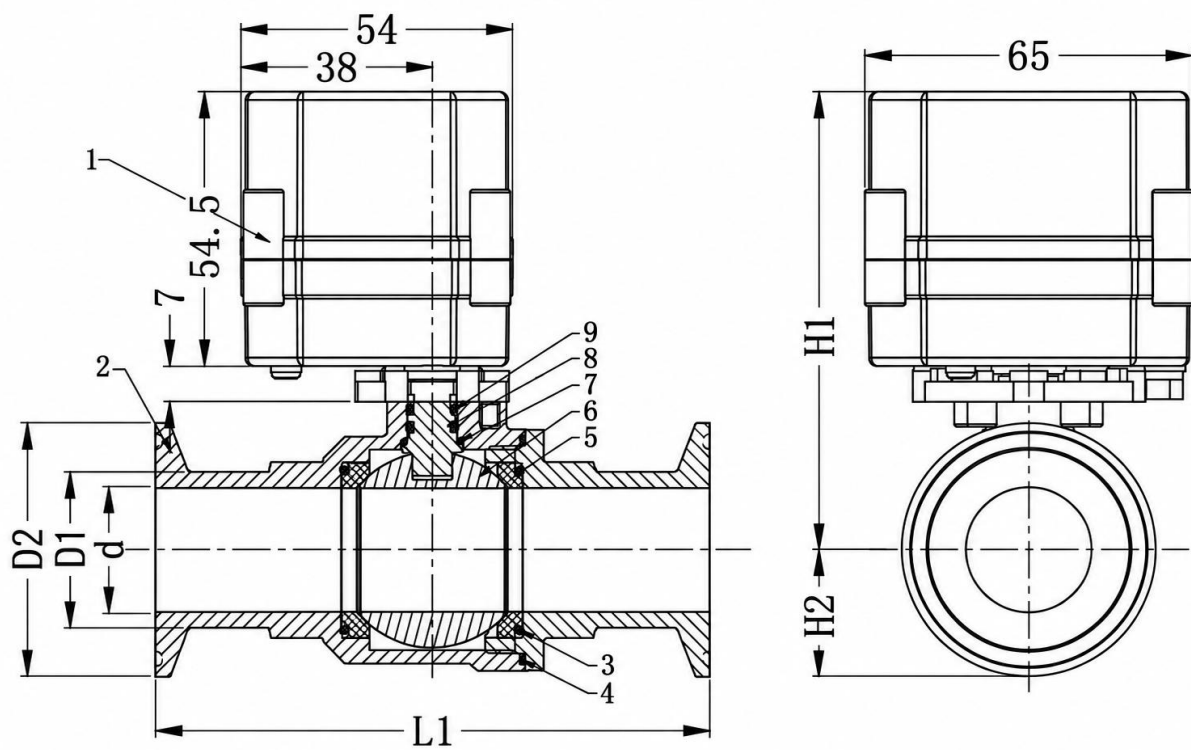
- Red & Green connect with positive, Black connect with negative.
- SW CLOSE, valve OPEN, maintain after fully open.
- SW OPEN, valve CLOSE, maintain after fully closed.
- Suitable Working Voltage: DC12V, DC24V, DC9-24V, AC/DC 9-24V, AC/DC9-35V, AC/DC110-230V
- Exceeding the working voltage is forbidden



COMPONENTS

Components	Material	Specification	Components	Material	Specification
Valve Body	Stainless Steel	316	Packing Gland	Stainless Steel	316
Valve Seat	PTFE		Actuator	PPO	
O-ring	FKM		Gasket	PTFE	
Valve Stem	Stainless Steel	316	Packing	PTFE	

Assembly Diagram



Description	D2 ± 0.2	D1 ± 0.2	d ± 0.2	L1 ± 1	H1 ± 1	H2
25-S2-B	50.5	31	25	110	91	25.25
20-S2-B	50.5	26	20	100	88	25.25
15-S2-B	50.5	21	15	100	85	25.25