



TIANFEI HIGH-TECH

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CWX-15Q 1 inch motorized ball valve two port motorised valve

AVAILABILITY: AVAILABLE ON BACKORDER

CATEGORIES: [CWX-15Q](#), [MINI MOTORIZED VALVE](#)TAG: [1 INCH MOTORIZED BALL VALVE](#)[Inquiry Now](#)

DESCRIPTION INQUIRY

The quality of the gold medals

Professional manufacturer
of motorized valve/Heating
metering temperature control
product

Company has passed the
ISO09001,CE,RoHS, NSF61
certificate and so on.ate and so on
successively.

Tianfei has a professional
R&D
team,has won many letters
of
patent and the recognition
of
the Tianjin municipal
government
departments.



Features of CWX-15Q 1 inch motorized ball valve two port motorised valve:

1. Super mini and compact valve body, granting space-saving installation.
2. POM and Metal gear, lower the motor drive noise, thus improve the reliability of the valve.
3. Long service life, especially nearly 50 thousands open-close times.
4. Combining electric limit and mechanical limit in design. In addition, it features precise positioning and high consistency to prevent the actuator from continuing to run even after reaching the position.
5. Actuator and valve body can installed muti-angle, hence convenient for room allocation and application.

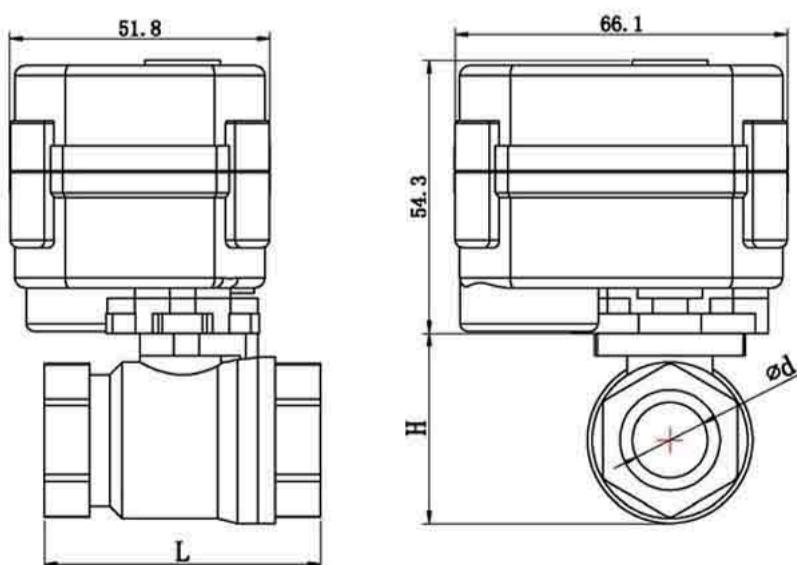
Applying scenarios of CWX-15Q 1 inch motorized ball valve two port motorised valve:

1. Especially water central heating system pipes network
 2. As well as auto control system for flow measurement
 3. Also home and business drinking water equipment
 4. Such as air-conditioning fan coil(HVAC)
-  Also water save and purification equipment

Main Parameter of CWX-15Q 1 inch motorized ball valve two port motorised valve:

Product model	CWX-15Q
Output torque	1.5NM
Rated voltage	DC3-6V DC12V AC/DC9-24V AC220V AC85-265V
Power	<2W
Working current	<100mA (CR04 except Max150mA)
Open/close time	3S
Position Indicator	Optional (without by default)
Manual override	No
Gear Material	POM & metal gear
Working pressure	Max1.0Mpa
Valve Material	Brass UPVC Stainless Steel
Valve size	2way DN8-DN25 3Way DN8-DN20
Control mode	CR01,CR02,CR02+,CR03,CR03A,CR03T,CR04,CR05
Environment temperature	0-50°C
Medium temperature	0-90°C
IP Grade	IP65
Feedback Signal	Unable
Service Life Time	50000 open-close times
Sealing	PTFE
Ball Seat	Rubber

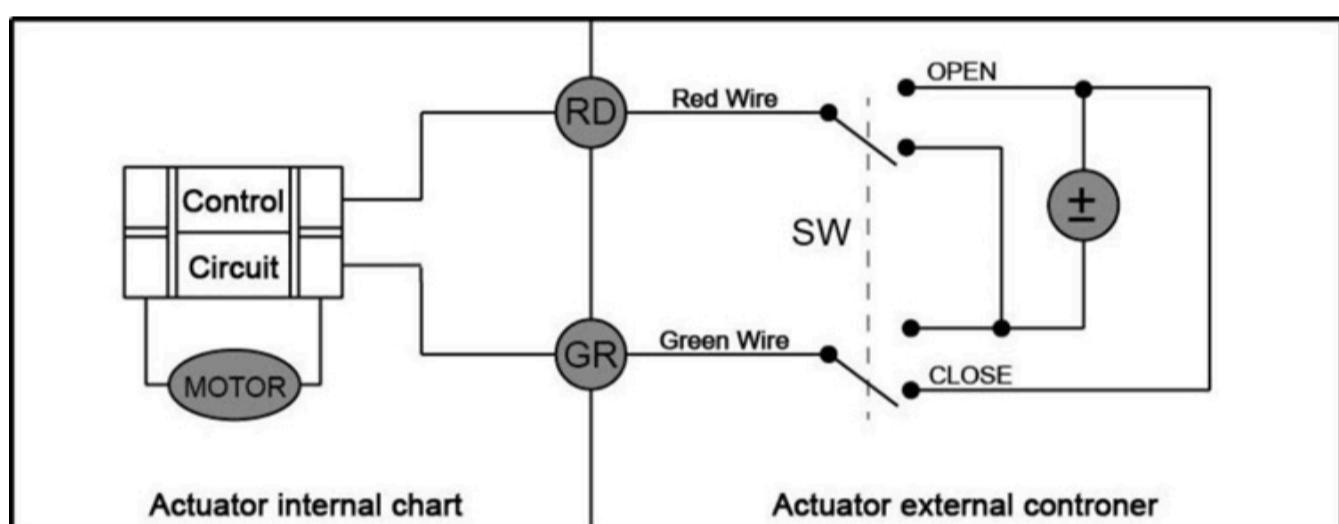
Schematic & Dimension of CWX-15Q 1 inch motorized ball valve two port motorised valve:



	Connection	Size	d (mm)	L (mm)	H (mm)	W (kg)
Brass	Both female thread full port	DN8	8	46	31	0.287
		DN15	15	57	38	0.363
		DN20	20	71	45	0.444
		DN25	23.5	72	49	0.533
	Both female thread reduce port	DN10	8	46	31	0.286
		DN20	15	66	38	0.378
		DN25	20	72	47	0.538
		DN32	25	86	60	0.75
	3-way vertical	DN15	12	63	49	0.365
		DN20	15	66	53	0.422
	Female-male thread full port	DN15	15	63	38	0.362
	Female-male thread reduce port	DN20	15	66	38	0.392
		DN32	20	76	50	0.624
Stainless steel	Both male thread	DN15	15	68	38	0.354
	Both female thread full port	DN8	8	46	31	0.294
		DN15	15	55	38	0.37
		DN20	20	71	45	0.438
		DN25	25	72	49	0.547
	Both female thread reduce port	DN10	8	46	30.5	0.298
		DN20	15	63	39	0.443
		DN25	20	75	47	0.538

Wiring Diagrams of CWX-15Q 1 inch motorized ball valve two port motorised valve:

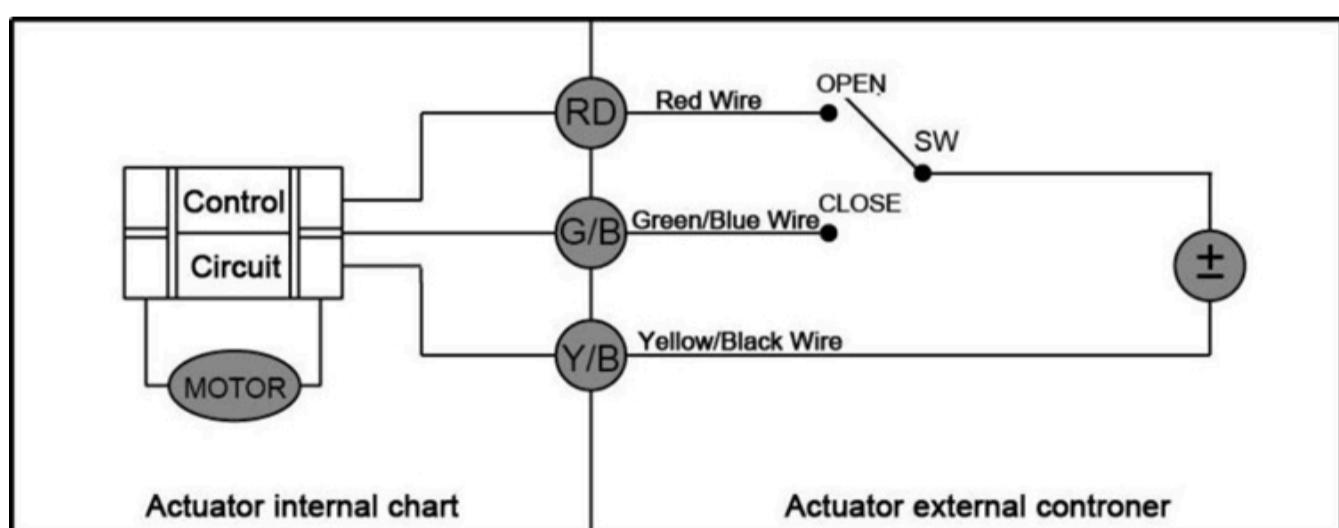
CR01 (two wires and reverse polarity) Voltage: DC3-6V/DC12V/DC9-24V



1. Connect SW to OPEN, then the valve open, getting the position and automatically power off, meanwhile the valve remains fully open position.

2. Connect SW to CLOSE, then the valve close, getting the position and automatically power off, meanwhile the valve remains fully closed position.

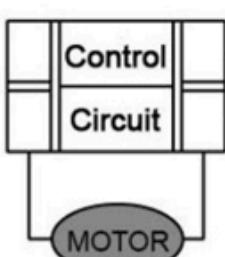
CR02 (three wires two wires control) Voltage: DC3-6V/DC9-24V



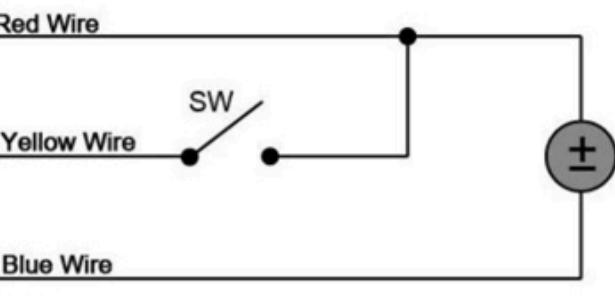
1. Connect SW to OPEN, then the valve open, getting the position and automatically power off, moreover the valve remains fully open position.

2. Connect SW to CLOSE, then the valve close, getting the position and automatically power off, moreover the valve remains fully closed position.

CR03 (three wires one wire control) Voltage: DC3-6V/DC12V/DC9-24V/ADC9-24V/AC85-265V



Actuator internal chart

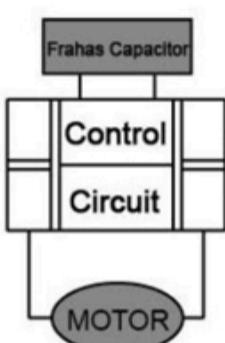


Actuator external controller

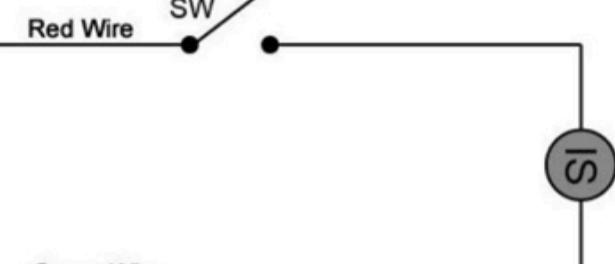
1. Connect SW, then the valve open, getting the position and automatically power off, moreover the valve remains fully open position.

2. Disconnect SW, then the valve close, getting the position and automatically power off, moreover the valve remains fully closed position.

CR04 (two wires and fail-safe/power-off return) Voltage: ADC9-24V/AC85-265V



Actuator internal chart

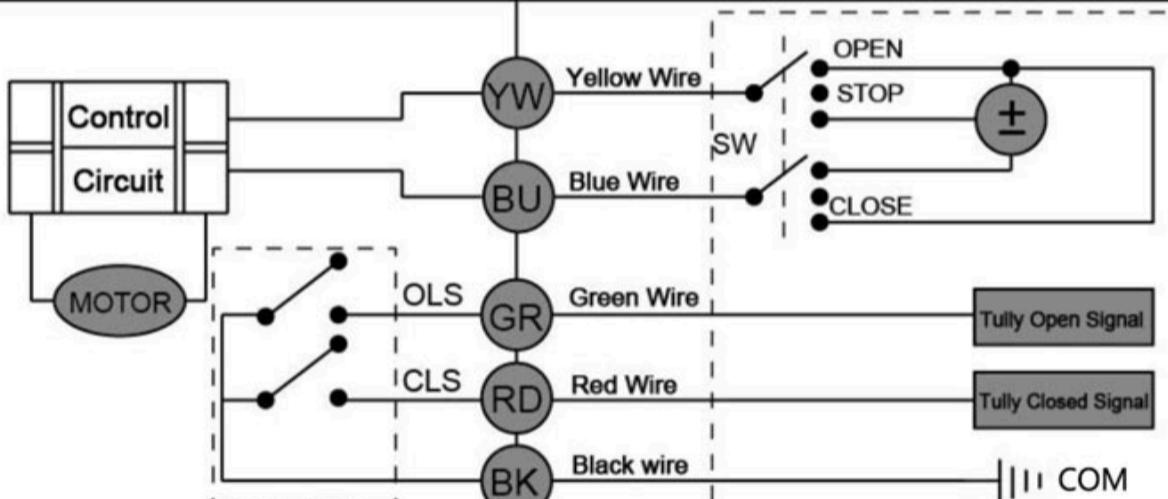


Actuator external controller

1. SW connect, then the valve open/close, getting the position and the power off automatically, meanwhile the valve remains fully open/close position.

2. SW disconnect, then the valve close/open, getting the position and power off automatically, meanwhile the valve remains fully close/open position.

CR05 (five wires, micro controller with feedback signal) Voltage: DC3-6V/DC12V/DC24V



Actuator internal chart

Actuator external controller

1. Connecting SW to OPEN, then valve open, getting the position and OLS connected, the controller tested and find the signal of AOLS, the valve remains fully open position, mean while power off automatically.

2. Connecting SW and CLOSE, then valve close, getting the position and CLS connected, the controller tested and find the signal of ACLS, the valve remains fully close position, mean while power off automatically.

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