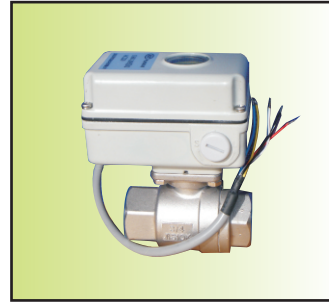


**C600 Series Stainless Steel 2/2 Way Mini Electric Ball Valve (Open/Close Type)**
**C610 Series WCB 2/2 Way Mini Electric Butterfly Valve (Open/Close & Wafer Type)**
**Features**

1. Small size, light weight, exquisite appearance, cheaper than C800 series
2. With emergency manual device
3. Motor with protection device, when locked-rotor happened, power off automatically.
4. With visual valve position indicator
5. Can be mounted at any angle
6. With valve position signal output ( passive contact/NPN signal output )
7. Butterfly valve body: normal--- CAST Steel WCB(code: C)  
 Ball valve body: Normal --- 304 stainless steel ( code: B),  
 Special --- 316 stainless steel (code: R), 316L stainless steel ( code: L)
8. Seal material : Butterfly--- type I : NBR( code: N), type II: EPDM(code: E)  
 Ball valve --- PTFE( code: P)
9. Control mode: for more details, please refer to control circuit diagram



C600-20BIII02



C610-40Cd I 24

**Dimension**

Unit: mm

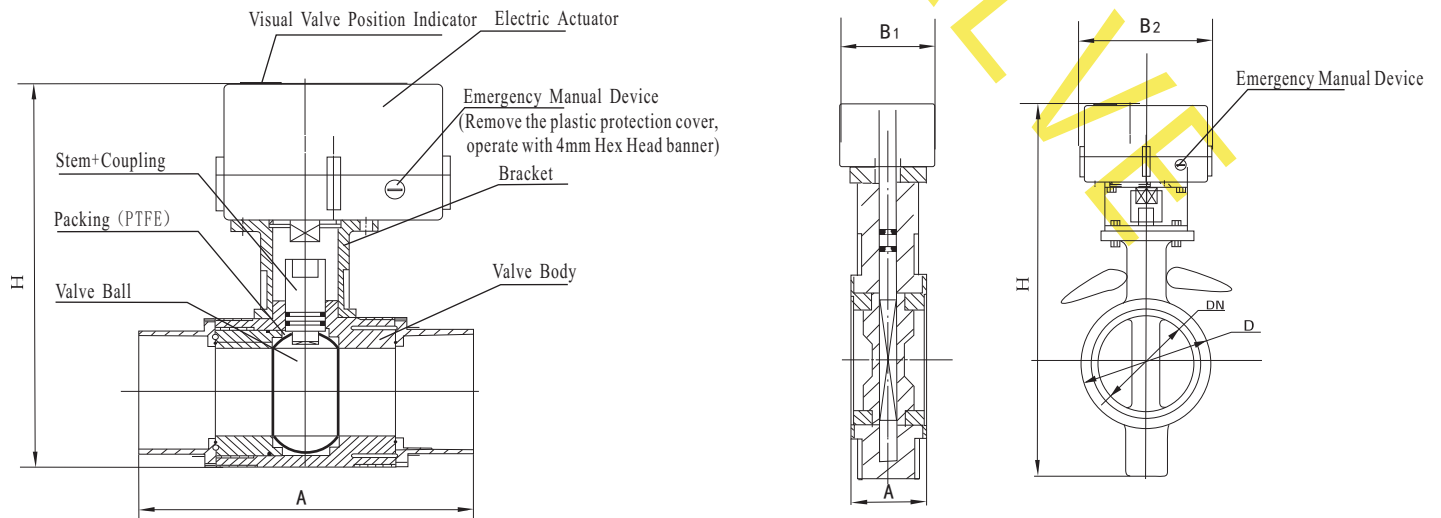
Dimension Diameter	Screwed Type Ball Valve		Wafer Butterfly Valve	
	L×W×H (A×B1×H)	Conneciton	L×W×H (A×B2×H)	End
DN10	55×53×115	Rc 3/8"		
DN15	62×53×117	Rc 1/2"		
DN20	75×53×120	Rc 3/4"		
DN25			35×85×200	Wafer
DN32			35×85×200	Wafer
DN40			35×85×210	Wafer



C600-20BIII02- (&amp;)



EC600-20BIII02

**Structure Diagram**


C600 Series Stainless Steel 2/2 Way Mini Electric Ball Valve (Open/Close Type)

C610 Series WCB 2/2 Way Mini Electric Butterfly Valve (Open/Close & Wafer Type)

C600 series Electric Valve Control Circuit Diagram

Control Diagram AC/DC [Transistor Output] AC Conventional Type, DC Special Type	Control Circuit Diagram DC [Contact Output] DC Normal Type
<p>(1) Red, White, Purple are control wires, Red, White connect with power supply, when purple &amp; Red are short connected, the valve moves towards close direction, when the valve closes completely, motor stops working, the valve holds close position. Vice versus, purple, white are short connected, valve moves towards open direction, when valve opens fully, motor stops working, valve holds fully open position.</p> <p>(2) Valve position signal output is passive signal, NPN transistor emitter current, share the same collector (end capacitor: DC50V, 20mA). Under such circumstance, the output dial runs to open position red indicator lights, runs to close position, green indicator lights. When it's DC power supply, NPN transistor signal output is unconventional products, when ordering, please clarify, and add letters JT after the model No.</p> <p><b>⚠ Signal output only voltage less than AC/DC 125V is allowed to load!</b></p>	<p>(1) Red &amp; White are control wires, after Red &amp; White connects positive and negative poles of power supply, valve moves towards open direction, when valve opens fully, motor stops, valve holds open position. Vice versus, switch positive and negative poles, valve moves towards close direction, when valve close completely, motor stops, valve holds fully close position.</p> <p>(2) Valve position signal output is passive signal contact output. The control mode is DC power supply, normal control mode (Default DC power supply)</p> <p><b>⚠ Signal output only voltage less than AC/DC 125V is allowed to load!</b></p>

Technical Data

Applicable Medium	Non-freezing liquid, gas		
Medium Temp	C610 Butterfly Valve--- I [NBR] : -9~80℃	II [EPDM] : -9~120℃	C600 Ball Valve--- III : -29~150℃
Pressure	1.6MPa		
Totary Degree	90°		
90° Open/Close Time	Empty load: AC/7S, DC/9S (Loaded at AC/11S, DC/13S)		
Supply Voltage	AC24V, AC85~260V [including AC110, AC220V] DC24V±5%, DC12V±5%		
Motor Configuration	Protection Grade: IP65	Insulation Resistance: 100MΩ	
Amb Temp	-30~60℃		
Rated Current	AC24V/0.15A, AC85~260V/0.2A	DC24V/0.15A, DC12V/0.25A	
Output Torque	AC/7N·m	DC/9N·m	
Motor Power	5W		

Note: NPN transistor emitter output, which can not connect with PLC directly, proper relay should be used.

Special Configuration

C600-T: Cast Brass Body
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