



ABC80C Series Automatic Ball Valve

Summary:

Electric On-Off Fan Coil Ball Valve used to control flow and temperature in central air conditioning systems through cold or hot water media.



Features and Characteristics:

- Well waterproof and dustproof features (IP65)
- Actuator is insulated well to valve body and the ambient
- Quick and easy replacement of actuator
- Actuator can be installed after plumbing work completed, which makes easier on-site installation
- Valve can be operated by general tools when actuator has been removed
- Energy saving which gives motor longer life of functioning
- Differential pressure up to 150psi, it is suitable for HVAC systems with sudden high head pressure
- There has no sediment at the valve bottom due to direct flow passage of valve
- Soft shut-off and open, to eliminate water hammer in most applications
- Motor doesn't bear any forces when valve is not in motion extending service life
- Media: chilled or hot water, 60% glycol
- Size: 1/2" ,3/4" 1" & 1'1/4"
- Flow Characterize: 2-way or 3 way
- Operating Mode: 3-point control or on/off
- Power supply: AC220V, AC24V
- Power Consumption: 6W (during valve position change)
- Running Time: 15sec.
- Pipe Fitting: BSP internal thread
 - Optional: NPT

Materials:

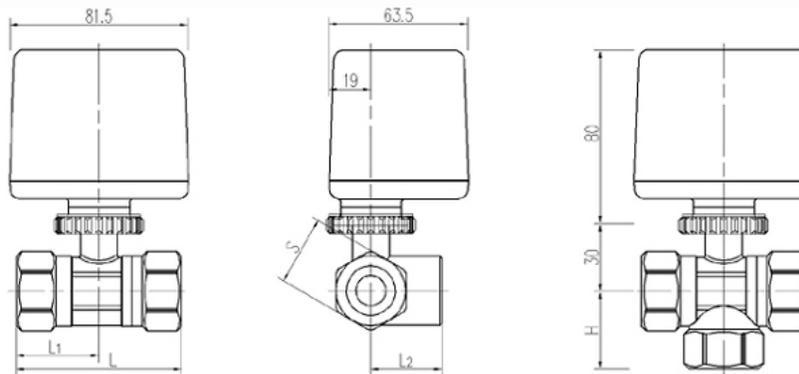
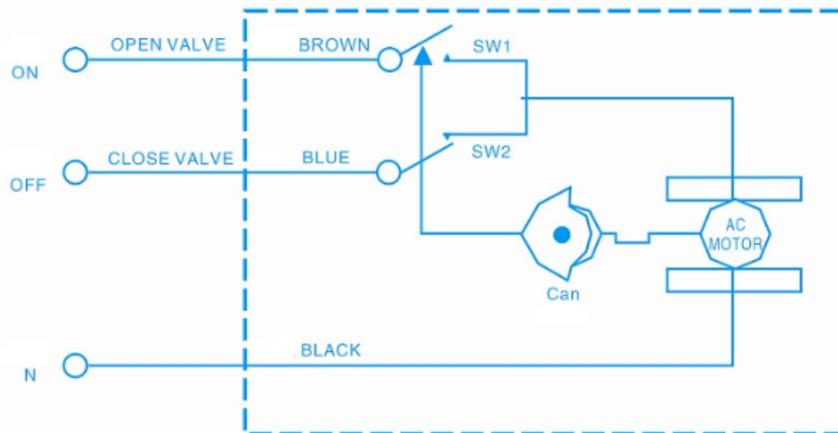
- Body: forged brass
- Ball: stainless steel
- Stem: brass; optional: nickel plated brass; stainless steel
- Seats: fiberglass reinforced Teflon PTEE
- Seal: EPDM O-rings, lubricated
- Pressure Rating : 300psi (2MPa)
- Media Temp. Range: 34°F to 203°F (1°C to 95°C)
- Max. Differential Pressure: 150psi (1MPa)
- Protection Grade: IP65
- Servicing: maintenance free



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Assembling and Technical Specification:

Electrical Connection: SPST



Flow Characteristic Model		Inch (mm)	Diameter ϕ (mm)	Kv
2-way	3-way			
ABC80215C	ABC80315C	½" DN15	14	4.62
ABC80220C	ABC80320C	¾" DN20	14	7.50
ABC80225C	ABC80325C	1" DN25	17	13.02
ABC80232C	ABC80332C	1-1/4" DN 32	22	25.97

	(mm)				
	L	L1	L2	H	S
1/2" (DN15)	67	33.5	39	34	27
3/4" (DN20)	66	33	39	36	32.5
1" (DN25)	88	44	48	40	40
1 1/4" (DN32)	100	50	60	—	48