



Electric Control Ball Valve(DN15–DN50)

Application:

The series SRB Electric Control Ball Valve is widely used to regulate the flow in center air-conditioning, heating, water treatment and industry processing systems. It is driven by the SACRB rotary actuator. After receiving a standard regulation signal or a floating point signal, the actuator rotates the ball in the valve to the designed opening position.

Features:

- Unique conical inlet design, to achieve accurate equal percentage flow control characteristics
- Simple flow channel design, not easy to plug, the use of more secure and reliable
- High circulation capacity, low resistance loss
- Double sealed design, no leakage double insurance
- Ultra-quiet flow channel design, to ensure a quiet environment
- High turn pressure, high pressure level
- Equipped with manual switch and opening instructions

Operating Principles:

Series SRB Electric Control Ball Valve is driven by the Series ACRB rotary actuator. After receiving a standard regulation signal (0–10V or 4–20mA) or three floating point signal, the actuator rotates the ball in the valve body to the designated opening position. Because the flow area between the valve ball.

Technical Specification:

Dimension: DN15–DN50
 Operating temperature: 2–94°C
 Pressure level: PN25
 Working medium: water/ ethylene glycol
 Connection: Threaded connection
 Connection standard: EN10226 GB/T 7306.1–2000
 Close off pressure: 600KPa
 Flow characteristics: Equal percentage characteristic curve
 Leakage rate: Control path $\leq 0.01\%Kvs$
 Three pass by $\leq 0.5\%Kvs$
 Adjustment method: Angle travel 90°
 Material: Body: SS 304
 Seat: PTFE
 Ball: SS 304
 Shaft: SS 304
 Sealing: NBR

Coding Rules:

S	SUPPLIES	S	RB	015–	OS	P02
RB	Electric Control Ball valve					
DN						
015–DN15	020–DN20					
025–DN25	032–DN32					
040–DN40	050–DN50					
OS	Two-way threaded					
3S	Three-way Threaded					
Pressure						
P02	PN25					



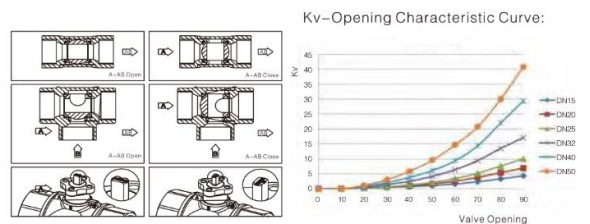
Technical parameter:

Product type:

Type	Function	DN	Kvs	Actuator
SRB015–0SP02	Two-way valve	DN15	4	Series of SACRB4
SRB020–0SP02	Two-way valve	DN20	6.3	
SRB025–0SP02	Two-way valve	DN25	10	
SRB032–0SP02	Two-way valve	DN32	16	Series of SACRB5
SRB040–0SP02	Two-way valve	DN40	25	
SRB050–0SP02	Two-way valve	DN50	40	

Type	Function	DN	Kvs	Actuator
SRB015–3SP02	Three-way valve	DN15	4	Series of SACRB4
SRB020–3SP02	Three-way valve	DN20	6.3	
SRB025–3SP02	Three-way valve	DN25	10	
SRB032–3SP02	Three-way valve	DN32	16	Series of SACRB5
SRB040–3SP02	Three-way valve	DN40	25	
SRB050–3SP02	Three-way valve	DN50	40	

*The above Kvs values of different sized three-way valves indicate the valve's Kvs when the flow goes through the valve from A to AB. If the flow goes through the three-way valve from B to AB, the valve's Kvs is 70% of the Kvs value in the above table.





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Installation:

Two-way regulating ball valve is installed in the system of the return pipe, to reduce the thermal stress on the valve. Three control ball valve can be used to bypass or mixed flow system respectively, when installation, please make sure that the T slot mark at the top of the stem and the T in the inner hole is consistent. If valve can be installed, please note the flow direction of the valve; the blending model drives on the packing box in the instruction of installation method is described in detail. Ball valve can be installed horizontal (figure 1), and vertical (figure 2), but cannot put back the clock down installation.

T-shaped Groove	
Flow direction	
Status	A-AB off A-AB on

System Condition	Mixing		Diverting	
T-shaped Groove				
Flow Direction				
Status	B-AB Open	A-AB Open	AB-B Open	AB-A Open

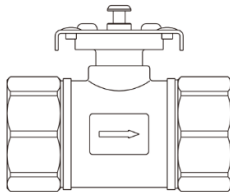


Figure 1

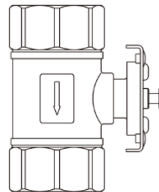


Figure 2

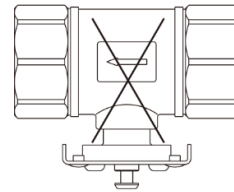
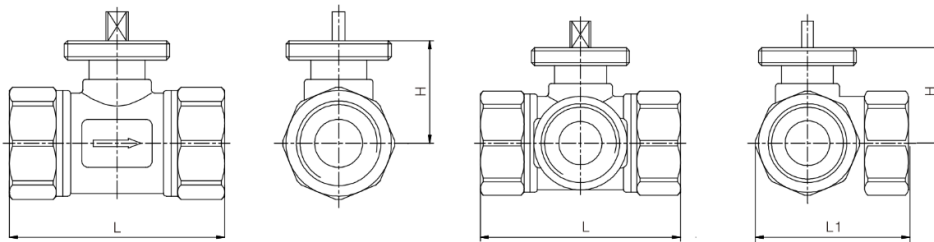


Figure 3

Dimension:



DN	Threaded (G)	Size(mm)			
		L		L1	H
		Two-way	Three-way		
DN15	1/2"	68	68	46	32
DN20	3/4"	68	68	46	32
DN25	1"	82	84	57	37
DN32	1 1/4"	98	104	50	48
DN40	1 1/2"	105	111	55	48
DN50	2"	122	143	62	52