

These unique SV series specialty valves are used for specific applications in air or geothermal heat pumps, drinking water systems, solar water heaters and other industrial equipment. These unique floating ball construction type ball valves require very low torque and can be controlled with a small compact actuator. The Quick Clip disconnect feature allows for easy actuator installation, or to change from Normally Open to Normally Closed applications by using a designated 'O' or 'C'.

TECHNICAL SPECIFICATIONS :

Valve Body:

Body Material: 304 Stainless Steel
Valve Stem: Nickel Plated Brass
Valve Ball: 304 Stainless Steel
Valve Seat: PTFE disc with backup ring
Valve Packing: Double O ring with PTFE friction ring base
Close Off: 150psi and 100% tight shut off
Working Pressure: 150 PSI (10 Bar)
Media Temperature: 32°F to 200°F (0°C to 92°C)

Actuators:

FLP - Fail Last Position

Capacitor Return Fail Safe - minimum power on time required 15 secs for 24V & 30 secs for 120V
Rated Voltage: 24VAC, or 120V AC
..... or 9V to 24V DC

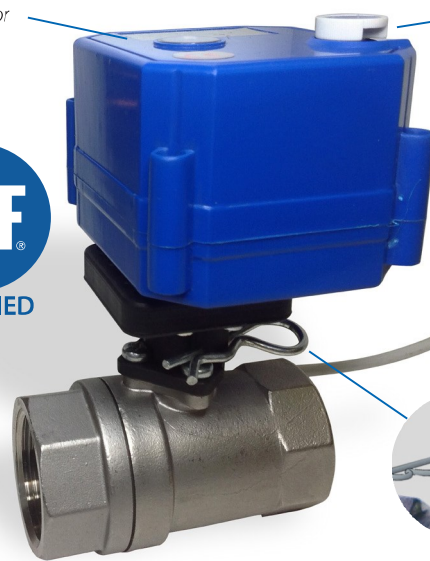
Power: Max 5 watts
Output Torque: 17in/lb (2 NM)
Enclosure: NEMA 4 (IP 65)
Connection: 12" (305mm) PVC Cable
Ambient Temperature: 40°F to 120°F
..... (5°C to 50°C)
Travel Time: 6 Seconds
Noise Level: 55 dB
Approvals: CSA Certified 1735440
Standard Features: Position Indication
..... Quick Clip Mounting

Agency Approvals:

Conforms to CE EN 60730
ESC Certificate EN60534-2-3:1998
Quality Assurance System 97/23/EC
Certified to NSF/ANSI Standard 61

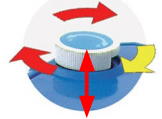
One year warranty.

Position indicator window

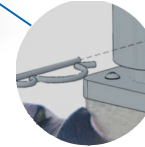


In case of an electrical supply failure it is possible to operate the actuator manually.

1. Power must be in off position when manual override is used.
2. Gently pull up the knob about 1/8", then turn the knob left or right to open or close the valve, as per the position indicator.
3. To finish using manual override, press down the knob to resume normal electric operation.



Actuator with "Quick Connect" feature for easy installation in difficult situations.



ACTUATORS

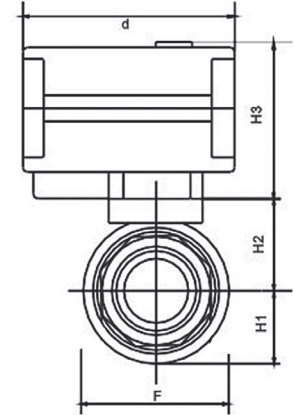
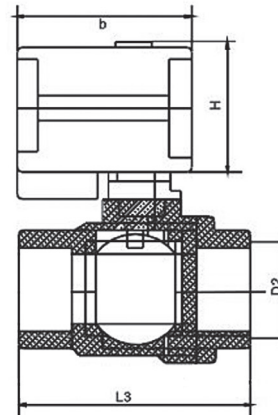
Part No:	24V AC	120V AC	9-24V DC	17 in/lb	Capacitor Return Fail Safe Circuit No A	FLP 3 Point Control 3 wire Circuit No B	FLP 2 Point Control 3 wire Circuit No C	Pos. Ind. & Manual Override
MS3142	X		X	X		X		X
MS1132	X			X			X	X
MS1122	X		X	X	X			X
MS2132		X		X			X	X
MS2122		X		X	X			X

VALVE BODIES

Connection	Part No	Size	CV	L3	F	H1	H2	H3	b	d	Weight lbs
F x F North American NPT	SV202N-12	1/2"	CV 12	2 3/32	1 3/16	5/8	1 1/2	2 1/2	2	2 7/16	0.75
	SV202N-34	3/4"	CV 12	2 3/8	1 3/16	7/8	1 3/4	2 1/2	2	2 7/16	0.98
	SV202N-10	1"	CV 24	2 7/8	1 11/16	1	1 7/8	2 1/2	2	2 7/16	1.38

All dimensions in inches

DIMENSIONS:



HOW TO ORDER

Use the code on the right to build your SV series ball valve and actuator to your exact specification, quickly and easily.

VALVE BODY | ACTUATOR
SV 202 N - 12 - MS 1 1 2 2 - 0

LINKAGE POSITION:

L=Last Position, O=Fail Open, C=Fail Closed

OPTIONS: 2=manual override

CONTROL: 2=circuit No A, 4=circuit No B, 3=circuit No C

TORQUE: 1=17in/lbs

1=9-24VAC/DC, 2=120VAC, 3= 9-24VAC/DC

MS= Electric Rotary Motor

VALVE SIZE: 12=1/2", 34=3/4", 10=1"

PIPING CONNECTION: N=NPT Fx F, B=BSPT Fx F, BP=BSPP Fx F

VALVE BODY TYPE: 202= 2 way Stainless Steel,

SV=Ball Valve