

## 2-Way Ball Valves

Sync-Lok SBV series - Three piece, 2-way valves are specially designed and ruggedly manufactured for use in corrosive & hazardous conditions. Our valves are precision machined for maximum durability & efficiency to provide a high quality, low cost alternative in fluid & gaseous control systems to meet the demands of our customers. All valves are available in high-grade stainless steel, carbon steel, brass & monel. End connections are available in M/F threaded NPT, BSP, BSPT, ISO, DIN and JIS tapered ends.

## Features / Benefits

**A479-316 Construction** - for corrosion resistance

**Full or Reduced Bore** - for excellent flow

**3 Piece Design** - for easy installation and maintenance

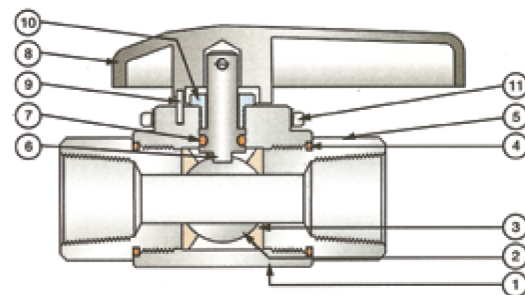
**Anti-blow out, internally loaded stem** - for safety

**Floating Ball Design** - for positive sealing and seat wearout

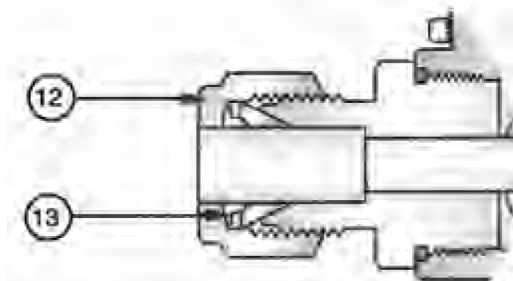
**Low torque 90° actuation w/ stainless steel lever / phenolic handle** - for smooth operation

## Materials of Construction

Sr.	Description	Qty.	Material
1	BODY	1	A479-316/B16
2	BALL	1	A479-316
3	SEAL	2	PTFE / POM
4	O' RING	2	VITON / BUNA-N
5	ADAPTERS	2	A479-316/B16
6	SPINDLE	1	A479-316
7	O' RING	1	VITON / BUNA-N
8	HANDLE	1	PHENOLIC / SS LEVER
9	LOCK PIN	1	A479-316
10	GLAND NUT	1	A479-316/B16
11	PANEL NUT	1	A479-316/B16
12	NUT	2	A479-316/B16
13	FERRULE SET	4	A479-316/B16



Threaded End Connections



Compression Tube End Connections

## Pressure / Temperature Ratings

Seal Material	Temperature	Pressure Rating	Flow Coefficiency Cv.
POM	0° C to 40° C	6,000 psi to 10,000 psi	1.0 to 1.6
PTFE	0° C to 80° C	3,000 psi	

## Testing

Each valve is hydrostatically tested in accordance with MSS-SP-99. This procedure includes testing of the body cavity. The hydrostatic test is performed with pure water or other liquids of similar or lower viscosity @ 1.5 times the seat leakage and 1.1 times the maximum working pressure.

*Each valve is also tested with Nitrogen Gas @ 1,000 PSI for seat, seal and shell leakage.*

*Other tests like vibration, temperature and helium are available upon request.*

**Valves that have not been actuated for a period of time may have a higher initial actuation torque.**