

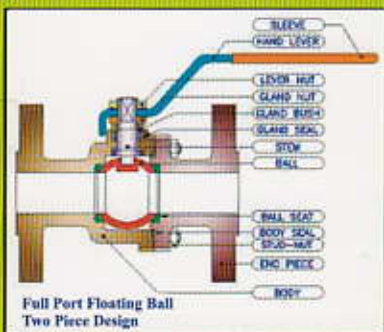
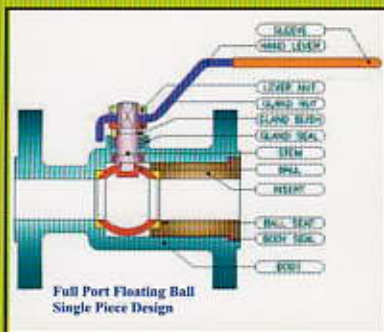


ASVIN BALL VALVES

*2 way / 3 Way / Full Bore / Reduced Bore / Jacketted
Floating / Tunnion Designed Ball Mounting
Transflow / Rigid or Flexibly Coupled*

ASIAN INDUSTRIAL VALVES AND INSTRUMENTS

are also manufacture of Ball Valves since 1983. We have been supplying Ball Valves for Power sector, Process industries, petroleum, mining, chemical, and paper industry. ASVIN valves are manufactured to the latest international standard, using advanced manufacturing techniques and stringent quality checks. Manufacturing Design includes Full Port, Reduced Port, Fire safe Ball valves, 3 way Multiport Ball valves and Transflow application Ball valves either with Rigid or Flexibly coupled. Various material combinations are available with the required End Connection to suit any International standard or for specific requirement. ASVIN manufactures a wide variety of Industrial valves with ISO 9001-2008 certified Quality Management System.



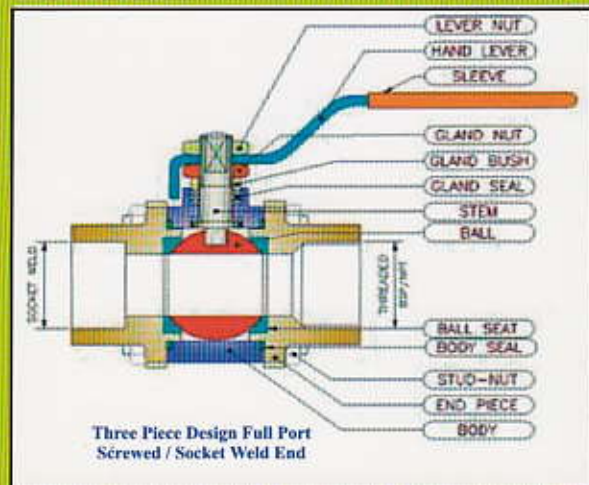
Floating / Trunnion Mounted Balls :

In the Floating Ball design, sealing takes place by allowing the Ball under pressure to move towards the downstream seat to effect tight seal.

ASVIN Trunnion Ball Valve has additional mechanical anchoring of the ball at the top and the bottom, suitable for large size and higher pressure. In this design, sealing takes place by allowing the seat to move towards the ball along the flow axis, which leads to lower operating torques over other types.

Design & Testing Standard :

Valve Design	: BS 5351/ANSI B 16.34/API 6D
Pressure Testing	: BS 6755 Part II / API 598 / API 6D
Fire Safe Testing	: BS 6755 Part II / API 607
Face To Face	: ANSI B 16.10
Flange Drilling	: ANSI B 16.5/BS 10 Table / DIN / IS 6392
Butt Weld End	: ANSI B 16.25
Socket Weld End	: ANSI B 16.11
Screwed End	: ANSI B 1.20.1 (BSP/NPT)



Material Of Construction

(a) From bar stock in carbon steel or stainless steel (304, 316, 304L, 316L, 321) Hastalloy B & C & Alloy 20.

(b) Castings in carbon steel to ASTM A216 GR. WCB, stainless steel to ASTM A 351 GR. CF8/CF 8M/CF 8C/CF 3/CF 3M and Alloy Steel to ASTM A 217 C5, WC6, WC9, WC12. Alloy 20, Hastalloy B & C

Size Range : 15NB to 500 NB

Pressure Rating:

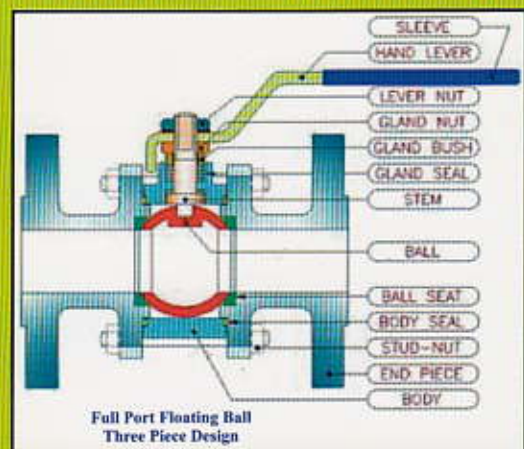
150/300/600/900/1500 # class.

Ends : Screwed / flanged/socket weld / butt weld

Pressure Testing

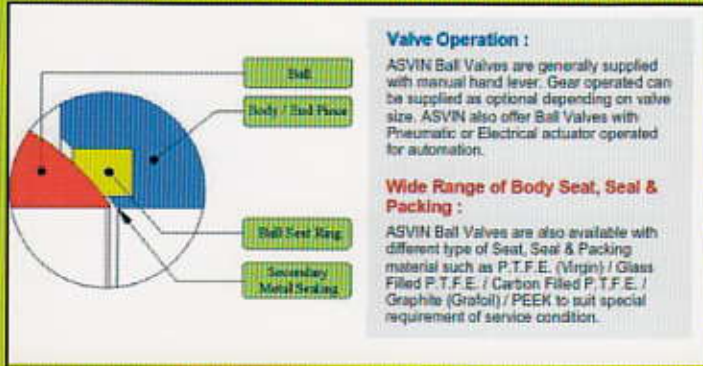
Test pressures

BODY Screwed/Socket weld (air)	5.6 kg/cm ²
Flanged 150# (hydrostatic)	31.5 kg/cm ²
Flanged 300 # (hydrostatic)	79.0 kg/cm ²
Flanged 600# (hydrostatic)	154.0 kg/cm ²
Seat For All valves (air)	5.6 kg/cm ²



Fire Safe design ASVIN BALL VALVES

ASVIN fire-tested Valves are being supplied in large Quantities for crude/gas pipelines, petrochemical and allied industries where fire hazard is an important consideration. A secondary metal seat is provided to maintain contact between the seat and the ball in the event excessive heat caused by fire should destroy the non-metallic reinforced seat.



ASVIN Cryogenic Ball Valves are designed for low temperature services down upto -196°C . Typical applications are Liquefied Natural Gas (LNG) storage/distribution, terminal unloading stations, liquid Nitrogen and liquid Oxygen lines.

ASVIN Ball Valves For Transflow Application

ASVIN Ball Valves are designed to transfer flow, without interruption or shutdown. Typical applications are: Lubrication Systems, Shaft-Sealing Oil Systems, Fluid Power Filtration Systems -Fluid Power Heat Exchange Systems. ASVIN BALL VALVES continuous - flow Transfer Valve design guarantees shock-free uninterrupted flow while simultaneously diverting both inlet and outlet flows from one component to its twin, without altering the continuity of full flow through the valve. ASVIN Valves do a leak-free, efficient job in a wide variety of applications for fluids, and process media.

ASVIN Transfer Ball Valves with Flexibly Rigidly Coupled

The Balls are aligned in parallel with the coupling shaft when the change-over lever is against the stop on the detention plate. When fitting valves, care shall be taken to ensure they are not subjected to any extreme loads applied via Heat Exchangers or associated vessels. The valve connections should never be exposed to torsional stresses of any kind. If operational pressures exceed 5 bar the valves should be pressure equalized prior to change-over.

Metal-seated - optional

ASVIN Ball Valves designed for abrasive service or for operation in temperatures that prohibit the use of a resilient material have seating action provided by the metal-to-metal contact between the ball and the seat rings. Seating faces are hardfaced.

Extended stem-Optional

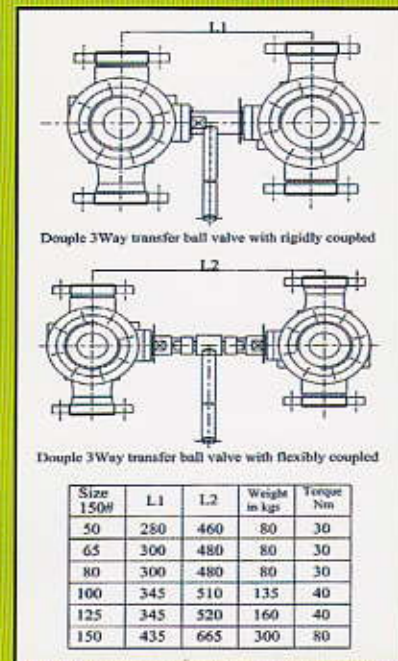
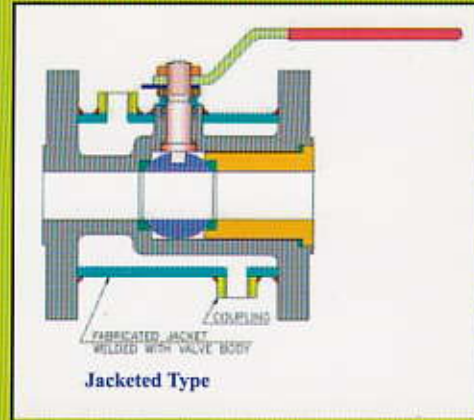
ASVIN Ball Valves installed in underground or in remote locations can be operated with an optional extended stem. All the drain, vent, and emergency sealant connections can be operated using extended connecting pipes firmly attached to the stem protective cover.

Actuation-optional

Hand-operated Ball Valves are supplied either with a lever or gear operated

ASVIN JACKETED BALL VALVES

The Jackets assure consistent valve Heating or Cooling of the process media to prevent crystallization or seizing of flow media. ASVIN Jacketed Ball Valve are very well designed to help the high temperature steam or oil flow over the valve ball & body parts to keep the media liquid.



ASVIN BALL VALVE Face to Face Distance in mm Flow and Torque Values

VALVE SIZE	15 NB	20 NB	25 NB	40 NB	50 NB	65 NB	80 NB	100 NB	150 NB	200 NB	250 NB	300 NB	350 NB	400 NB
RP-SW/SCR	67	73	95	116	128	--	--	--	--	--	--	--	--	--
FB-SW/SCR	73	95	116	128	152	--	--	--	--	--	--	--	--	--
FB/3PCS-150#	108	118	127	165	178	190	203	229	267	292	330	356	381	406
FB/3PCS-300#	140	152	165	191	216	241	282	305	403	420	458	502	572	610
FB/3PCS-600#	165	190	216	241	292	330	355	432	560	660	787	838	890	990
FB/3PCS-900#	--	--	254	305	368	419	381	457	610	737	838	965	1030	1130
**RP-FLOW CV m3/hr	8	12	32	115	165	210	355	645	850	2100	3900	6600	--	--
** FB-FLOW CV	34	70	114	250	500	780	1245	2500	5470	10780	17750	26500	--	--
* TORQUE FT-lbs	--	--	--	--	42	--	89	143	234	470	650	1150	1360	2265
WEIGHT (kgs) FB / 3 pcs	1.7	2.3	3.6	6.4	8.2	12.6	21.8	38.6	93.0	222	306	522		

RP : Regular Port
SW : Socket Weld

FB : Full Bore
SCR : Screwed

* Torque value at a Max working presence of 250 lbs.

** Valve capacity in GPM at 1 psi pressure drop.

* Details shown above are to be used as a guide.

** Cv : Coefficient Value

* Contact factory with required inputs for correct value.

3 PCS - 3 piece design

ASVIN - Range of Products

VALVES

- * SAFETY / PRESSURE RELIEF VALVES
- * THERMAL RELIEF VALVE
- * ATMOSPHERIC RELIEF VALVE
- * PRESSURE REDUCING VALVE / STATION
- * PRESSURE CUM VACUUM RELIEF VALVES
- * BREATHER VALVES
- * EXCESS FLOW CHECK VALVES / SHUT OFF VALVES
- * UNDERGROUND SAFETY VALVES FOR WATER TANK/
WATER FLOW CANAL AS PER BS - 4558 : 1983
- * NON - RETURN VALVES / BALL VALVES
- * NEEDLE VALVES / MANIFOLDS / THROTTLING VALVES
- * FLUSH BOTTOM VALVES

TANK EQUIPMENTS

- * TANK BLANKETING VALVES
- * EMERGENCY PRESSURE RELIEF VALVES (Air Vent)
- * GAUGE HATCHES (Lock Down / Spring Loaded)
- * VACUUM BREAKERS

INSTRUMENTS

- * LEVEL GAUGES (Tubular / Reflex / Transparent)
- * LEVEL INDICATORS (Magnetic / Float & Chord)
- * FLOW - ELEMENTS (Orifice / Flow Nozzles / Venturies)
- * ROTAMETER (BY-PASS / ONLINE)
- * MANOMETERS
- * LEVEL SWITCHES
- * THERMOWELLS
- * CONDENSING POT
- * CONSTANT HEAD CHAMBER
- * AIR / MOISTURE SEPARATOR

PIPELINE EQUIPMENTS

- * STEAM TRAPS / AIR TRAPS
- * STRAINERS (T / Y / Basket / Simplex / Duplex type)
- * FLAME / DETONATION ARRESTERS
- * SIGHT GLASSES (Full view / Double window / Flapper / Rotating Wheel)
- * RUPTURE DISC

Available with all reputed Third party Inspection Agencies, Viz,
ABS, BHEL, Bax Council, Bureau Veritas, Controller of Explosives, DNV, EIL, IBR, IRS, Lloyds,
MECON, NPC, RITES, SGS, TPL, CE marking etc.,

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