



BRASS BALL VALVE 600 WOG

2-Piece Full Bore Threaded Ball Valve · DZR Forged Brass · Lever Operated

BRAND: SW FLOW CONTROLS

SKU: SW-0335

SIZE 1/4" TO 4"

600 WOG / 41 BAR



FIG. 1 | BRASS BALL VALVE 600 WOG, VINYL LEVER HANDLE



SUPPLIED UNDER THE
SW FLOW CONTROLS BRAND

PRODUCT OVERVIEW

The SWBM Brass Ball Valve 600 WOG is a quarter-turn, 2-piece full bore valve engineered for dependable on and off flow control across residential, commercial and industrial pipelines. The body is produced from DZR (dezincification resistant) lead-free forged brass, delivering high corrosion resistance and long service life in potable water, chilled water and general utility systems.

A hard chrome plated ball seated between two PTFE seats gives a tight bubble-tight shut-off with low operating torque. The blow-out proof stem and vinyl coated steel lever provide safe, precise and repeatable operation. Female BSPT and NPT threaded ends allow flexible installation across a wide range of piping standards.

Valve type	2-piece ball valve, full bore
Operation	Manual, 90° quarter-turn lever
Body material	DZR lead-free forged brass
End connection	Female BSPT / NPT threaded
Pressure rating	600 WOG (41 bar / 600 psi)
Size range	1/4" to 4" (DN8 to DN100)

TECHNICAL SPECIFICATION

Design standard	MSS SP-110	Working pressure	41 bar (600 psi) WOG, non-shock
Threads (taper)	ASME B1.20.1 (NPT), BSP	Nominal pressure	2.0 MPa per manufacturer drawing
Threads (BSPT)	ISO 7-1 / BS 21	Working medium	Water and non-caustic liquids
Face to face	Manufacturer standard	Maximum temperature	+120°C
Testing	API 598 / EN 12266-1	Port	Full bore
Shell test	1.5 x rated pressure	Manufacturer type	J2037 series
Seat test	1.1 x rated pressure, bubble tight	Country of origin	Advised at time of quotation



PRODUCT DATA SHEET

BRASS BALL VALVE 600 WOG
Ref. SW-0335 | Rev. 02

BILL OF MATERIALS

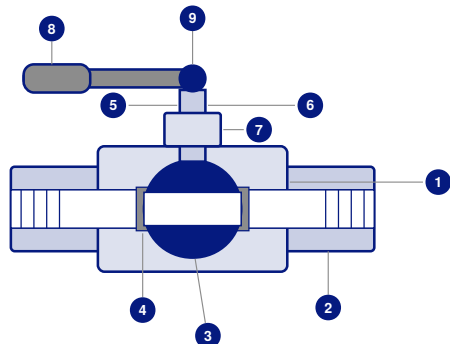


FIG. 2 | SECTIONAL ARRANGEMENT

#	COMPONENT	MATERIAL
1	Body	DZR forged brass
2	End cap / tail piece	DZR forged brass
3	Ball	Brass, hard chrome plated
4	Seat (2 nos.)	PTFE, virgin
5	Stem (blow-out proof)	DZR forged brass
6	Stem seal	PTFE thrust washer
7	Gland nut	Brass
8	Lever handle	Steel, vinyl coated
9	Handle nut	Steel, zinc plated

Butterfly handle, extended stem and locking device options available on request.
Alternative seat materials (RPTFE, PEEK) can be supplied for elevated temperature duty.

DIMENSIONS

SIZE (G)	DN	THREAD (BSPT / NPT)	BORE D (MM)	L (MM)	H (MM)	LEVER L1 (MM)
1/2"	15	1/2"	14.5	55.0	20.5 *	99.0
3/4"	20	3/4"	19.6	61.0	24.2 *	112.0
1"	25	1"	24.6	75.2	59.5	112.0
1.1/4"	32	1.1/4"	31.6	86.7	71.2	132.0
1.1/2"	40	1.1/2"	40.0	96.7	75.4	132.0
2"	50	2"	49.5	110.4	90.2	163.5

Dimensions are taken from the manufacturer drawing for the J2037 series. L = face to face length, D = ball bore, H = centreline to top of handle nut, L1 = lever length. Sizes 1/4", 3/8", 2.1/2", 3", 4" and 6" are supplied from the same series and certified dimensions for those sizes are issued on request. Weights are available on request. * H values for 1/2" and 3/4" are printed as shown on the manufacturer drawing and are being confirmed with the factory.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	SW-0335
Size	1/4", 3/8", 1/2", 3/4", 1", 1.1/4", 1.1/2", 2", 2.1/2", 3", 4", 6"
Thread	BSPT or NPT, female
Seat	PTFE standard. RPTFE or PEEK on request
Handle	Vinyl coated lever standard. Butterfly handle optional
Order example	SW-0335 / 1.1/2" / BSPT / PTFE / LEVER

Stock held in Dubai for fast despatch across the UAE and GCC. Contact our sales desk for pricing, availability, project quantities and certification requirements.



PRODUCT DATA SHEET

BRASS BALL VALVE 600 WOG
Ref. SW-0335 | Rev. 02

PRESSURE AND TEMPERATURE

Product marking	600 WOG (41 bar / 600 psi)
Nominal pressure	2.0 MPa (20 bar) per drawing
Working medium	Water and non-caustic liquids
Maximum temperature	+120°C

The valve is marked 600 WOG while the manufacturer drawing for the J2037 series states a nominal pressure of 2.0 MPa. Confirm the applicable working pressure with SWBM before specifying this valve above 20 bar. Ratings apply to cold, non-shock service and the valve is not offered for steam duty. Derating above ambient is a function of the PTFE seat.

TYPICAL APPLICATIONS

- Potable and general water supply networks
- Plumbing, HVAC and chilled water lines
- Irrigation and landscape systems
- Compressed air and low pressure utility lines
- Fuel and lubricating oil circuits
- Industrial process and utility piping

COMPLIANCE AND QUALITY

- Design in accordance with MSS SP-110
- Taper pipe threads to ASME B1.20.1 and BSP
- Pressure testing to API 598 / EN 12266-1
- DZR brass, dezincification resistant, lead free
- 100% shell and seat tested prior to despatch
- Material test certificate EN 10204 3.1 on request
- Blow-out proof stem design

INSTALLATION AND OPERATION

- Flush the line thoroughly before installation to clear weld slag, sand and debris
- Install with the valve in the fully open position
- Apply PTFE tape or an approved sealant to the male thread only
- Tighten on the hexagonal body flats, never on the handle or stem
- The valve is fully open when the lever is in line with the pipe, and fully closed at 90°
- Operate the valve periodically to prevent seat sticking in low use lines

COMPANY

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