



CORPORATE STANDARD

AA7501478

Rev. No. 03

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GLOBE VALVE, STAINLESS STEEL (18/8), PRESSURE CLASS 800

1 GENERAL

1.1 SCOPE

This standard specifies the requirements of globe valves, hand operated, outside screw and yoke type, stainless steel body material, pressure class 800 with screwed and socket welded end connections for size ranges 8 mm to 50 mm.

1.2 This standard shall be supplemented by AA0851403 for Technical delivery conditions.

1.3 APPLICATION

These valves are suitable for fluids like oil water and other corrosive services.

2 DESIGNATION

e.g.: GLOBE VLV SS NB25 CL800 SW

3 TECHNICAL REQUIREMENTS

CL	REQUIREMENTS	COMPLIANCE
3.1	Pressure temperature ratings	ASME B16.34
3.2	Materials	As specified in Table 1
3.3	Construction	Generally in line with ISO 15761
3.4	End Connections	
3.4.1	Screwed	NPT Female parallel threads as per ASME B 1.20.1
3.4.2	Socket welded	ASME B16.11
3.5	End to end dimensions	As specified in Table 2
3.6	Hydraulic test pressures	
3.6.1	Body	202 kg/cm ²
3.6.2	Seat	148 kg/cm ²
3.6.3	Back Seat	148 kg/cm ²
3.6.4	Air leak test	6 kg/cm ²

Revisions: clause 3.6.1, 3.6.2, 3.6.3 and 4

APPROVED:
INTERPLANT MATERIAL RATIONALISATION
COMMITTEE – MRC (Valves)

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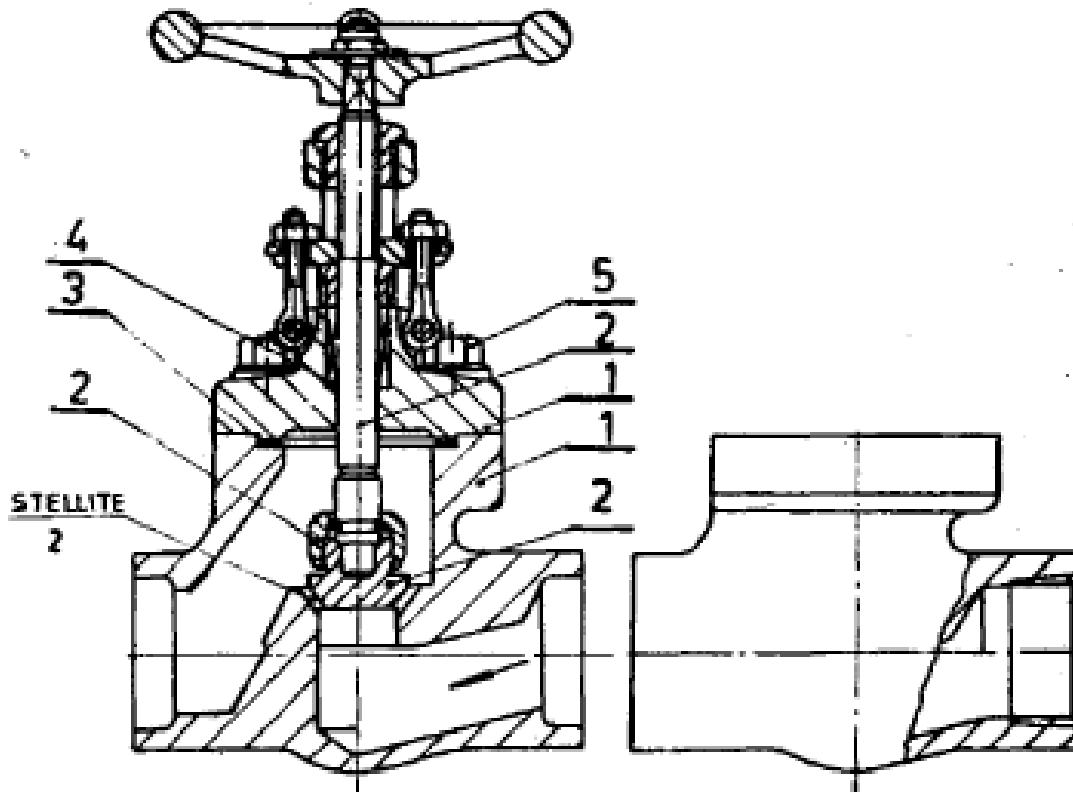


Table 1

Sl.No.	Part	Material
1	Valve body & yoke	ASTM A182 Gr. F304
2	Trim (stem, body seat ring, disc seat, disc nut)	SS 316
3	Gasket (Body & bonnet)	Spiral wound stainless steel with Grafal filler
4	Gland Packing	Grafal
5	Bolts, nuts for body	ASTM A193 Gr. B8/ ASTM A194 Gr. 8
6	Other parts	As per relevant standards



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Table 2

Nominal Size		End to End Distance 'L'	Weight per piece (kg) Approx.	End Connections				
mm	Inch			Socket Welded			Screwed	
				Socket Dia. (min.)	Pipe OD	Sub Code	Size of Screwed end	Sub Code
8	3/4	84.1	1.6	14.1	13.7	-	3/4" NPT	-
10	3/4	84.1	1.6	17.53	17.1	570	3/4" NPT	-
15	3/4	84.1	1.6	21.72	21.72	589	3/4" NPT	899
20	3/4	90.5	1.8	27.05	26.7	591	3/4" NPT	902
25	1	111.1	3.4	33.78	33.4	600	1" NPT	-
(32)	(1 1/4)	165.1	5.2	-	-	-	-	-
40	1 1/4	165.1	6.5	48.64	48.3	627	1 1/4" NPT	-
50	2	177.8	11.1	61.11	60.3	-	2" NPT	-

FL Flanged BW Butt Welded RF Raised Face RJ Ring Joint SC Screwed SW Socket Welded.

NOTE

- 1) 12 Digit Material Code shall be obtained by Suffixing Sub – Code to the Standard No.
- 2) Specific requirements of the Plants shall be covered by Plant Annexure to this Standard.
- 3) Sizes given in brackets are NON- PREFERRED.
- 4) All Dimensions are in mm unless otherwise specified.

4 REFERRED STANDARDS (Latest Publications Including Amendments)

- 1) AA0851403
- 2) ASME B 1.20.1
- 3) ASME B16.11
- 4) ASME B16.34
- 5) ASTM A182
- 6) ASTM A193
- 7) ASTM A194
- 8) ISO 15761