



# INNOVATIVE ENGINEERING FOR FLOW CONTROL SOLUTIONS

Imagine an Innovative design in a Valve and add Reliability factor to it and that's Valves from C.R.I. True to its tradition, valves from C.R.I. have been designed with clear focus on the customer's diverse applications and needs using best of the design tools and technology.

Manufactured in a State-of-the Art facility backed up with inhouse Steel Foundry, C.R.I.Valves meets the exacting demands of a variety of applications – a fact well recognized by the accreditations and certifications such as API 600, IBR, ISO 9001, In fact the valve designs have also been validated by Lloyds Registras which itself speaks about the quality of the designs and manufacturing practices.

## WORLD - CLASS QUALITY HIGH RELIABILITY OPTIMUM PERFORMANCE

- Perfect choice for all process applications
- Backed by solid R&D and manufacturing facilities Including captive steel foundry
- Ability to meet and big orders with shortest lead time

### APPLICATIONS

- Steam Service
- Oil & Gas
- Petrochemicals
- Power Plants
- Chemical & Fertilizers
- Sugar & Distillation
- Metal & Mining
- Paper & Pulp
- Water & Waste Water
- Textile & Tannery
- Food & Pharmaceuticals



## FORGED STEEL GLOBE VALVE

### SALIENT FEATURES

- Body & Bonnet made from high quality forging.
- The Forgings are precision machined for high performance.
- Leak Proof Body-Bonnet Joint With Spiral Wound Gasket.
- Ground Finish Stem. Self Aligning two piece gland.
- Back seating feature facilitates repacking of the stuffing box on line with the valve in fully open position.

ISO 9001  
API 600/API 6D  
IBR / EIL  
LLOYDS DESIGN  
VALIDATION  
TDC

**IN SIMPLE WORDS, C.R.I. VALVES - AN ENGINEER'S CHOICE**

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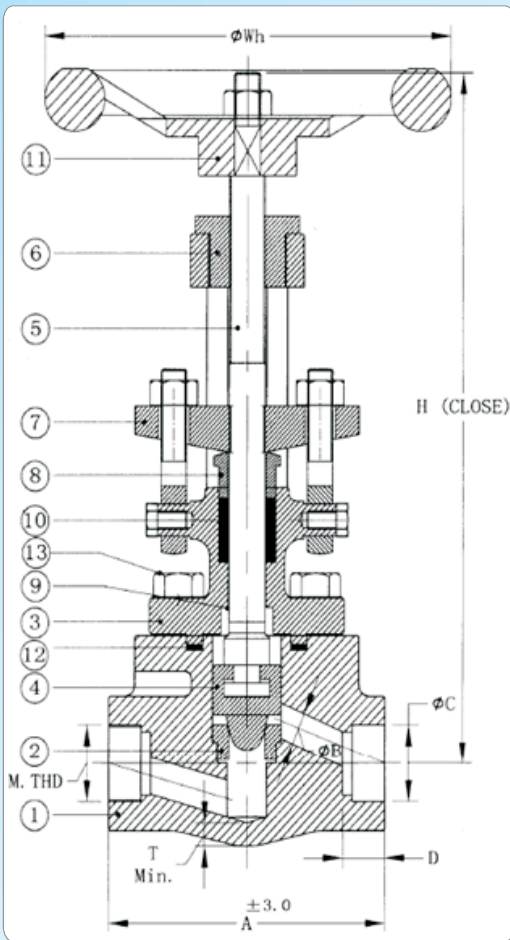
## FORGED STEEL GLOBE VALVE

### DESIGN STANDARD

Basic Design : As per BS 5352  
 End Connection : Socket end, Screwed End  
 Testing Std : As per API 598, BS 6755 PART 1

### PRODUCT RANGE

Size : 15 mm to 50 mm,  
 Socket end : ANSI B 16.11  
 Screwed End : (NPT) to ANSI/ASME B1.20.1  
 Type : Bolted Bonnet, 'OS' & 'Y' type Rising Hand Wheel



Part No	Description	Material
01	Body	ASTM A105
02	Seat Ring	AISI 410 + Stellite
03	Bonnet	ASTM A105
04	Plug	ANSI 410 + Stellite
05	Stem	ANSI 410 (Hardened)
06	Yoke Nut	EN 1A/ Carbon Steel
07	Gland Flange	ASTM A105/ Carbon Steel
08	Gland Bush	ANSI 410
09	Back Seat	Integral (Stellite)
10	Gland Packing	Graf oil
11	Hand Wheel	ASTM A 105
12	Gasket	Spiral Graf oil
13	Hex. Bolt	ASTM A 193 Gr.B7

Valve Size In 'mm'	Class 800						
	A	$\phi B$	$\phi C$	D	$\phi F$	H	T min
15	85	12	21.8	13	100	186	4.8
20	92	17.5	27.4	13	100	194	5.6
25	101	22.5	34.1	13	100	245	5.8
40	127	35	49	16	125	251	7.1
50	140	45.5	61	16	125	251	7.5

- Valve can be offered for #1500 and #2500.
- Valve can be offered with IBR Certification.
- Valve can be offered with Hard Faced Satellite.

Dimensions ( in mm, unless specified) and Weights (in kg)  
 Note - Subject to changes without notices on account of continuous improvement

## C.R.I. VALVES

Unit of C.R.I. Pumps Private Limited

Regd. Office: 7/46-1, Keeranatham Road, Saravanampatty,  
 Coimbatore-641035. INDIA  
 Phone : +91-(0) 422 - 3027000, Fax : +91-(0) 422 - 3027005  
 Email : info@crivalves.com, Web: www.crigroups.com