

# 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 CHECK 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.
- Piston type body guide Disc. Perfect alignment of Disc & Seat Ring.
- Ground Finish Stem. Self Aligning two piece gland.
- Compact design but extremely sturdy design high pressure and Temperature service. Bolted cover design easy to cover.

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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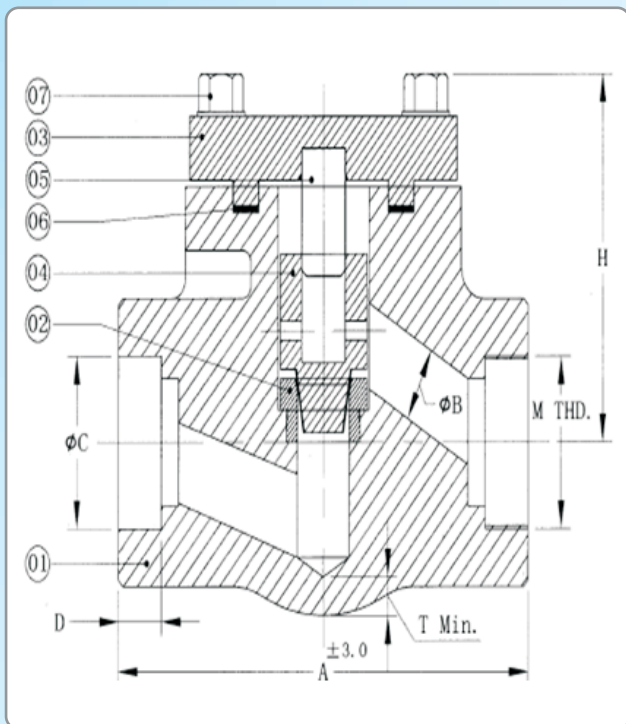
## FORGED STEEL CHECK VALVE

### 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, Piston Type Plug  
 Spring loaded Plug & Renewable Seat Ring



Part No	Description	Material
01	Body	ASTM A105
02	Seat Ring	AISI 410 + Stellite
03	Cover	ASTM A105
04	Plug	ANSI 410 + Stellite
05	Guide Stem	ANSI 410
06	Gasket	Spiral Grafoil
07	Hex.Bolt	ASTM A 193 Gr.B7

Valve Size	Class 800						
	In 'mm'	A	ØB	ØC	D	H	M THD
15	85	12	21.8	10	58	1/2"	4.8
20	92	17.5	27.4	13	64	3/4"	5.6
25	101	22.5	34.1	13	75	1"	5.8
40	127	35	49	13	103	1 1/2"	7.1
50	140	45.5	61	16	110	2"	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

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