

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 meet 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 any big orders with shortest lead time

APPLICATIONS

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



GLOBE VALVE

SALIENT FEATURES

- Valves meet BS 1873 design requirements
- Graphite packing ring, top & bottom rings are braided graphite. It ensures effective stem sealing
- Hardened seats minimize on line erosion & provide maximum service life
- Variety of materials available to suit special application requirement
- Narrow type, Self-aligning & Rotating disc ensure tight shut-off. Streamline flow ensure no pressure drop

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

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

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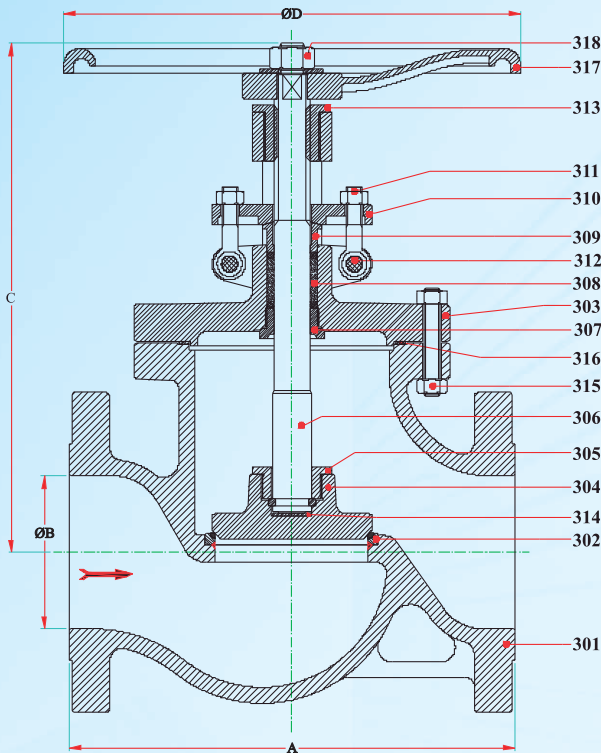
GLOBE VALVE

DESIGN STANDARD

Basic Design	: BS 1873
Face to Face	: ASME B 16.10
Pressure & Temperature Rating	: ASME B 16.34 (Standard Class)
Flange Standard Conformity	: ASME B 16.5
Testing	: API 598

PRODUCTS RANGE

Size	: DN50 - DN300
Type	: Bolted Bonnet, OS & Y, Narrow Seat type Disc
Rating	: Class 150, Class 300 & Class 600



MATERIAL OF CONSTRUCTION

Part No.	Part Name	Material Specification		
301	Body	A216 - WCB	A351 - CF8	A351 - CF8M
302	Seat Ring	A105 + 13% Cr	A351 - CF8	A351 - CF8M
303	Bonnet	A216 - WCB	A351 - CF8	A351 - CF8M
304	Disc	A217 - CA15	A351 - CF8	A351 - CF8M
305	Disc Nut	A276 - 410	A276 - 304	A276 - 316
306	Stem	A276 - 410	A276 - 304	A276 - 316
307	Back Seat Ring	A276 - 410	A276 - 304	A276 - 316
308	Packing*	Graphite Rings (Braided & Moulded)		
309	Gland Bush	A276 - 410	A276 - 304	A276 - 316
310	Gland Flange	WCB	SS 304	SS 316
311	Eye Bolt with Nut	A 307 - Gr. B	F 304	F 304
312	Eye Bolt Pin	A276 - 410	A276 - 410	A276 - 410
313	Stem Nut		A439 - D2	
314	Thrust Pad	A276 - 410	A276 - 304	A276 - 316
315	Full Thread Stud with 2 Heavy Nuts	A193 - B7 / A194 - 2H	A193 - B8 / A194 - 8	A193 - B8M / A194 - 8M
316	Gasket	SS + Graphite Filled		
317	Hand Wheel	DI / CS		
318	Nut with Washer	A194 - 2H		

Valve Size in 'mm'	Class 150					Class 300					Class 600				
	A	ØB	C(Max.)	ØD	Wt. (Approx)	A	ØB	C(Max.)	ØD	Wt. (Approx)	A	ØB	C(Max.)	ØD	Wt. (Approx)
50	203.0	52.0	312.0	203.0	18	267.0	52.0	334	203.0	25	292.0	52.0	344	254.0	30
80	241.0	76.0	365.0	254.0	31	318.0	76.0	390	254.0	48	356.0	76.0	430	356.0	56
100	292.0	102.0	440.0	356.0	52	356.0	102.0	468	356.0	76	432.0	102.0	485	356.0	102
150	406.0	153.0	552.0	356.0	89	444.0	153.0	558	457.0	136	NA	NA	NA	NA	NA

Dimensions (in mm. unless specified) & Weights (in kg)
Note: Subject to change without notice on account of continuous improvement.

C.R.I. VALVES

Unit of C.R.I. Pumps Private Limited

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