

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

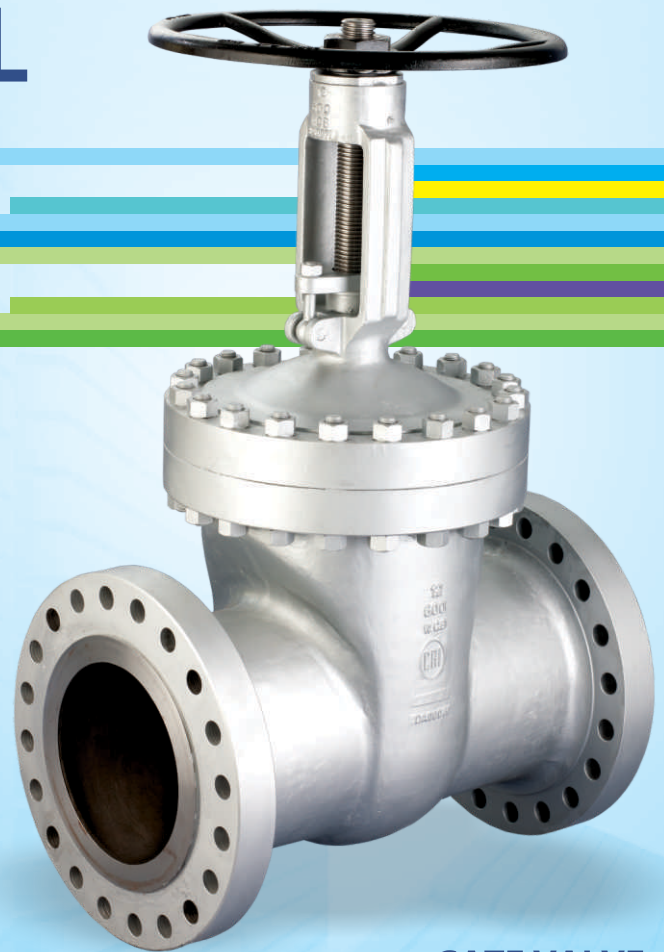
- Perfect choice for all process applications
- Backed by solid R&D and manufacturing facilities including captive steel foundry
- Ability to meet any big orders with shortest lead time

APPLICATIONS

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

SALIENT FEATURES

- Valves meet API 600 design requirements
- Body full bore to ensures streamlined flow hence no pressure drop
- Hardened seats minimize on line erosion & provide maximum service life
- Variety of materials available to suit special application requirement
- Body guided wedge ensures positive seating and eliminates side thrust & Flexible wedge ensure tight shut-off
- Graphite packing ring, top & bottom rings are braided graphite. It ensures effective stem sealing



GATE VALVE

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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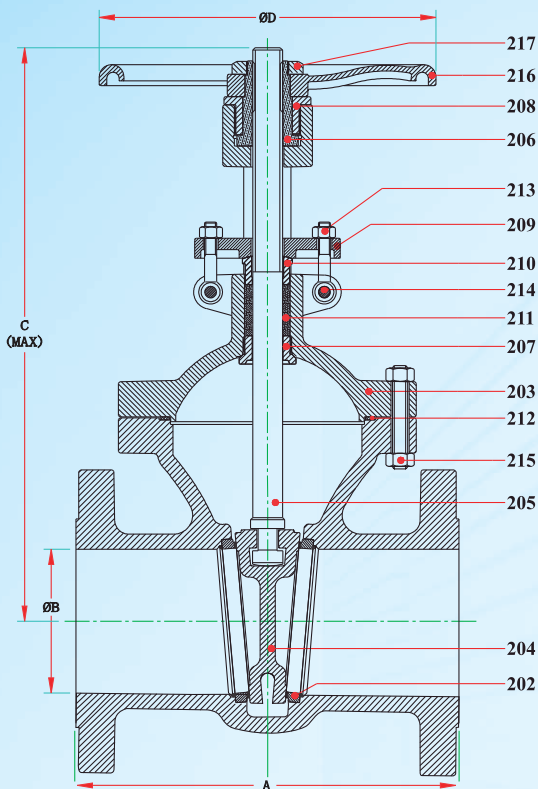
GATE VALVE

DESIGN STANDARD

General Design : API 600
 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
 Trim & seating surface as per API 600 Standard

PRODUCTS RANGE

Size : DN50 - DN300
 Type : Bolted Bonnet, OS & Y, Flexible Wedge
 Rating : Class 150, Class 300 & Class 600



MATERIAL OF CONSTRUCTION

Part No.	Part Name	Material Specification		
201	Body	A216 - WCB	A351 - CF8	A351 - CF8M
202	Seat Ring	A105 + 13% Cr	A351 - CF8	A351 - CF8M
203	Bonnet	A216 - WCB	A351 - CF8	A351 - CF8M
204	Wedge	A217 - CA15	A351 - CF8	A351 - CF8M
205	Stem	A276 - 410	A276 - 304	A276 - 316
206	Stem Nut	A439 - D2		
207	Back Seat Ring	A276 - 410	A276 - 304	A276 - 316
208	Bonnet Bush	A276 - 410		
209	Gland Flange	WCB	SS 304	SS 316
210	Gland Bush	A276 - 410	A276 - 304	A276 - 316
211	Packing*	Graphite Rings (Braided & Moulded)		
212	Gasket	SS + Graphite Filled		
213	Eye Bolt with Nut	A 307 - Gr. B	F 304	F 304
214	Eye Bolt Pin	A276 - 410	A276 - 410	A276 - 410
215	Full Thread Stud with 2 Heavy Nuts	A193 - B7 / A194 - 2H	A193 - B8 / A194 - 8	A193 - B8M / A194 - 8M
216	Hand Wheel	DI / CS		
217	Hand Wheel Lock Nut	MS with Blackencing		

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	178.0	52.0	366.0	203.0	15.5	216.0	52.0	382	203.0	22.5	292.0	52.0	395	203.0	28
80	203.0	76.0	450.0	254.0	25	282.0	76.0	474	254.0	43	356.0	76.0	486	254.0	51
100	229.0	102.0	548.0	254.0	41	305.0	102.0	558	254.0	65	432.0	102.0	586	356.0	95
150	267.0	152.0	750.0	356.0	68	403.0	152.0	760	356.0	127	559.0	152.0	795	508.0	204
200	292.0	203.0	950.0	457.0	123	419.0	203.0	965	457.0	202.5	660.0	203.0	1015	508.0	342
250	330.0	254.0	1118	457.0	173.5	457.0	254.0	1158	508.0	287	787.0	254.0	1202	508.0	520
300	356.0	305.0	1315	508.0	253	502.0	305.0	1337	508.0	403.5	838.0	298.0	1363	610.0	723

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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