

GATE VALVE

About us.

The Company 's steady growth began with ambition, vision, foresight and these values remain our guiding force even today, enabling us to force ahead and do our Country proud in projecting our products overseas, as well as in domestic market and acquiring acceptability and approval. From humble beginning, Norflow Controls has grown to be one of the leading manufacturers of Industrial Valves with ISO 9001:2008, API 6A, API 6D, API 600, API 602, IBR up to pressure class 2500#, CE marking certification in different designs of valves in India.

The company's prime objective is to produce superior quality industrial valves at competitive price through high productivity by constant up gradation recommended by R&D wing. Our greatest reward of relentless growth is immense confidence generated amongst the rapidly growing family of customers through its no compromise policies on quality front. The stiff competition and appetite for excellence is a big challenge. But with quality standard, kaleidoscopic nature of service, timely delivery, vision to expand is the ethical business practice which we commit and we honor this commitment.

Our good business practice and transparent mode of working is a result of highly qualified and professional management. This enables us to keep on adding new products to our range and give value for money (VFM) to our customers.



Bolted Bonnet

- ✦ Range: 1/2" to 24"
- ✦ Pressure Class: ANSI 150# to 900#
- ✦ End Connections: Flanged, Screwed, Butt, Socket Welded, Victolic End
- ✦ Manufacturing Standard: API 595, API 600, ASME B16.34
- ✦ Face to Face as per: ANSI B16.10
- ✦ End Connections as per: ASME /BS/DIN
- ✦ Testing Standard: API 598

Forged Steel

- ✦ Range: 1/4" to 2"
- ✦ Pressure Class: ANSI 800# to 2500#
- ✦ End Connections: Flanged, Screwed, Butt, Socket Welded, Victolic End
- ✦ Manufacturing Standard: API 602, ASME B16.34
- ✦ Face to Face as per: API 602
- ✦ End Connections as per: ASME /BS/DIN
- ✦ Testing Standard: API 598



Pressure Seal

- ✦ Range: 2" to 24"
- ✦ Pressure Class: ANSI 900# to 2500#
- ✦ End Connections: Flanged, Butt, Socket Welded.
- ✦ Manufacturing Standard: API 600, ASME B16.34
- ✦ Face to Face as per: ASME B16.10
- ✦ End Connections as per: ANSI /BS/DIN
- ✦ Testing Standard: API 598

MATERIAL OF CONSTRUCTION

FOR PRESSURE CONTAINING PARTS		FOR TRIM MATERIAL	
Carbon Steel Forged	A-10513% Cr. Steel	A-217 Gr. CA15	
Carbon Steel Cast	A-216 Gr. WCB, WCC		AISI 410
0.15% Moly Steel Cast	A-217 Gr. WC-1		
Cr. Moly Steel Cast	A-217 Gr. WC-6, WC-9, C5, C12		
18-8 S Cast	A-351 Gr. CF8	18-8 S	AISI 304
18-8 S Moly Cast	A-351 Gr. CF8M	18-8 S Moly	AISI 316
18-8 S Low Carbon	A-351 Gr. CF3	18-8 S Low Carbon	AISI 304L
18-8 S Low Carbon with Moly	A-351 Gr. CF3M	18-8 S Low Carbon Moly	AISI 316L
18-8 S Cb Cast	A-351 Gr. CF8C		
Low Carbon Steel Cast	A-352 Gr. LCB, LCC		
Low Carbon Moly Steel Cast	A-352 Gr. LC-1	SEAT AND DISC OVERLAY	
11.5-13.5 Cr. Steel Forged	A-182 Gr. F6	13% Cr. Steel, Stellite 6, Stellite 12.	
Hastelloy `B` Cast	A-296 N-12M		
Hastelloy`C` Cast	A-296 m M CW-12M		
Alloy 20 Cast	A-351 Gr. CN7M		
Duplex Steel	A-351 Gr. CD4MCu		
Super Duplex Steel	A890 Gr. 1A, 2A, 3A, 4A, 5A, 6A		

Cast Iron/ SG Iron of different grades
Also available as per NACE specification on request
Selection of Packing, Seals & Fastner material to suit application & service condition.

API 600 TRIM NUMBER CHART

API TRIM NO.	MATERIAL	SEAT/DISC		BACK SEAT	STEM	NOTES
1	410	410	410	410	410	
2	304	304	304	304	304	
3	F310	310	310	310	310	
4	HARD 410	Hard 410	Hard 410	410	410	Seats 750 BHN min.
5	HARDFACED	Stellite	Stellite	410	410	
5A	HARDFACED	Ni-Cr	Ni-Cr	410	410	
6	410 and Cu-Ni	Cu-Ni	Cu-Ni	410	410	
7	410 and Hard 410	Hard 410	Hard 410	410	410	Seats 750 BHN min.
8	410 and Hardfaced	Stellite	410	410	410	
8A	410 and Hardfaced	Ni-Cr	410	410	410	
9	Monel	Monel	Monel	Monel	Monel	
10	316	316	316	316	316	
11	Monel and Hardfaced	Stellite	Monel	Monel	Monel	
12	316 and Hardfaced	Stellite	316	316	316	
13	Alloy 20	Alloy 20	Alloy 20	Alloy 20	Alloy 20	
14	Alloy 20 and Hardfaced	Stellite	Alloy 20	Alloy 20	Alloy 20	
15	304 and Hardfaced	Stellite	Stellite	304	304	
16	316 and Hardfaced	Stellite	Stellite	316	316	
17	347 and Hardfaced	Stellite	Stellite	347	347	
18	Alloy 20 and Hardfaced	Stellite	Stellite	Alloy 20	Alloy 20	

Note: Data provided in above table for reference only, always cosult current API publications to verify information and trim data.

Norflow Controls

14, Jay Laxmi Indl. Estate, G.I.D.C. Plot No. -5-A, Nr. C.M.C.,
Odhav, Ahmedabad - 382415, Gujarat, India.
Telephone :- +91-79-22973166, Fax :- +91-79-22973166,
Email :- info@norflowvalves.com, norflow@gmail.com

Our Vision to Achieve Leadership Through Quality

