



**NILON VALVES**  
(P.)LIMITED

# TECHNICAL CATALOGUE

Sealing Trust, Controlling Flow,  
Powering Precision





## CERTIFICATION



Bureau Veritas Certification

### NILON VALVES PVT. LTD.

29 A/B, 30 A/B, 31 A/B, Sardar Patel Industrial Estate, Shahwadi, Narol, Ahmedabad – 382 405, Gujarat, India.

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the Management System Standard detailed below.

Standard

**ISO 9001:2015**

Scope of certification

**Design, Manufacture and Supply of Industrial Valves like – Gate Valve, Globe Valve, Check Valve, Ball Valve, Plug Valve, Diaphragm Valve, Butterfly Valves, Strainer, MOV (Motor Operated Valve), ROV (Remote Operated Valve), POV (Pneumatically Operated Valve).**

Original cycle start date: **11 April 2025**  
 Expiry date of previous cycle: **Not Applicable**  
 Certification Audit date: **06 March 2025**  
 Certification cycle start date: **11 April 2025**  
 Subject to the continued satisfactory operation of the organisation's Management System, this certificate is valid until: **10 April 2028**  
 Certificate No. **IND.25.734/QM/U** Version: **1** Issue date: **11 April 2025**

*J. N. Manian*  
**Dr. JN MANIAN**  
 Director – CERTIFICATION, South Asia  
 Commodities, Industry & Facilities Division

For certificate authenticity, click here  
<https://certcheck.ukas.com/>

ISO 9001 IN050162



Certification body address: 5th Floor, 100 Lower Thames Street, London, EC3R 6DL, United Kingdom.

Local office: Bureau Veritas (India) Private Limited (Certification Business)  
 72 Business Park, Marol Industrial Area, MIDC Cross Road "C",  
 Andheri (East), Mumbai – 400 083, India

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation.  
 To check this certificate validity please call + 91 22 6274 2000.



As an Approved Supplier to the Oil & Gas Industry's Joint Supplier Registration System (JSRS)  
 Country of Origin: **India** JSRS Supplier Code: **15080201**  
 Registration Date: **13-07-2016** Valid till: **23-09-2026**  
 Special Status: **Not Applicable** National SME Classification: **Not Applicable**



وزارة الطاقة والمعادن  
 Ministry of Energy and Minerals

This Certificate is issued for supplying Products & Services to Oil & Gas and other related Industries in Oman and is not valid to supply products from other governmental or non-governmental agencies.







**NILON VALVES**  
(P.) LIMITED

## COMPANY PROFILE

*Nilon Valves Private Limited has proudly served as a premier manufacturer of industrial valves for over four decades. We offer comprehensive valve solutions, particularly in developing custom designed valves tailored to meet unique specifications, encompassing diverse materials, internal components and operational configurations.*

*Our specialization lies in producing an extensive array of valves, including Ball, Gate, Globe, Butterfly, Non-Return, Plug, and Bellow Seal Valves. These are available in materials such as Cast Carbon Steel, Cast Stainless Steel (SS 304 / 316 / 304L / 316L), Low Carbon Steel, Forged Carbon Steel, and Cast Iron, adhering to API / ANSI / BIS / IS standards across pressure classes 150 #, 300 #, 600 #, 800 #, 900 #, 1500 #, 2500# and sizes ranging from 6 MM to 1400 MM.*

As an ISO: 9001 certified organization, we are registered with ADNOC, EIL, JSRS, Technip, PLECO, and Tecnimont, and possess IBR & fire-safe approval in accordance with API 607.

Furthermore, as part of our ongoing development, we have secured certification as an API 6D, API 600 Monogram License holder, enabling us to manufacture valves compliant with API norms for hydrocarbon applications.

Our customers' trust in our products inspires us to consistently deliver excellence.







## BALL VALVES

Nilon Ball Valves are been majorly used by various industries in India & Globally. Nilon ball valves are available in regular port, full port, & multi port. Nilon ball valves are smooth machined and strait through flow area totally avoid pressure drop across the valve. Nilon has also design specialty ball valve for various projects.



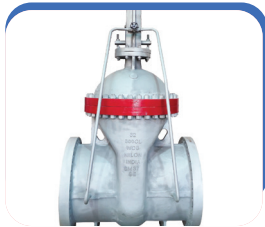
### Technical Specification

Manufacturing Standard	BS 5351 / API 6D
Testing Standard	BS 6755 / API 598
Pressure Class	150# to 2500#
Material Of Construction	Cast Iron IS 210 , Gr. FG 200/220/260, Cast Carbon Steel ASTM 216 Gr.WCB, Cast Steel ASTM 352,Gr.LCB & LCC Cast Stainless Steel ASTM 351 CF8/CF3/CF8M/CF3M, Alloy 20 ASTM A351 Gr CN7M Forged Carbon Steel ASTM A 105N Duplex and Hastelloy, Monel, Inconel
Design Type	One Piece Design, Two Piece Design, Three Piece Design
Size Range	½" inch to 60" inch
End Connection	Screwed End, Flanged End, Butt Weld & Ring Type Joint
Engineering Operations	Lever operated, Gear operated, Electrical Actuator operated, pneumatically Operated



## GATE VALVES

“Nilon” Series gate valves conform to API-600 and 6D provide with smooth machined full bore. Full opening of wedge eliminates additional pressure drop across the valve. Long screwed in replaceable seat rings ensure perfect tightness for a longer period of service. In case of high temperature and high pressure valves seat rings are either integral with body or seal-welded for maximum perfection and safely. “Nilon” Series gate valves are provided with properly machined and lapped backseat to facilitate replacing of gland packing in stream while fully open. Availability of solid wedge designs offer maximum option for suitable selection. Gasket and gland packing material are desired considering service condition like temperature, corrosion, pressure/vacuum and other applications. “Nilon” series gate valve ensure smooth operation, tight shutoff, reliability, maximum safety and longer life. Available with varied operation options like hand wheel, manual gear and electrical actuator.



Technical Specification	
Manufacturing Standard	BS 5351 / API 6D
Testing Standard	API 598
Pressure Class	150# to 2500#
Material Of Construction	Cast Iron IS 210 , Gr. FG 200/220/260, Cast Carbon Steel ASTM 216 Gr.WCB, Cast Steel ASTM 352,Gr.LCB & LCC Cast Stainless Steel ASTM 351 CF8/CF3/CF8M/CF3M, Alloy 20 ASTM A351 Gr. CN7M Forged Carbon Steel ASTM A 105 Duplex and Hastelloy
Design Type	Bolted Bonnet Solid/ Flexible Wedge, O. S & Y type
Size Range	1/4" inch to 70" inch
End Connection	Flanged Ends, Screwed Ends to NPT/BSPT & Socket Welded to ANSI B16.11
Engineering Operations	Lever operated, Gear operated, Electrical Actuator operated, pneumatically Operated





## GLOBE VALVES

"Nilon" series globe valve are meticulously designed and provided with threaded replaceable seat having full flow area ensures smooth flow and reduce pressure drop across the valve to minimum. Weld deposited seat and high temperature packing material are provide for superheated steam and high temperature oil and fluids to ensure trouble free service and longer life. A properly machined and lapped backseat facilitates replacement of gland packing when valve is in full stream. "Nilon" series globe valve are available with On-Off disc, control disc and parabolic disc designs. Though, normal production restricts up to 400 NB, tailor-made globe valves in larger sizes, higher pressure ratings, special material of construction are also entertained.



Technical Specification	
Manufacturing Standard	BS 1873
Testing Standard	BS 6755 / API 598
Pressure Class	150# to 2500#
Material Of Construction	Cast Iron IS 210 , Gr. FG 200/220/260, Cast Carbon Steel ASTM 216 Gr.WCB, Cast Steel ASTM 352,Gr.LCB & LCC Cast Stainless Steel ASTM 351 CF8/CF3/CF8M/CF3M, Alloy 20 ASTM A351 Gr. CN7M Forged Carbon Steel ASTM A 105 Duplex and Hastelloy
Design Type	Bolted Bonnet renewable seat O. S. & Y Type
Size Range	½" inch to 60" inch
End Connection	Flanged Ends, Screwed Ends to NPT/BSPT & Socket Welded to ANSI B16.11
Engineering Operations	Lever operated, Gear operated, Electrical Actuator operated, pneumatically Operated



## NON RETURN VALVES

“Nilon” Series non return valve are the best used in the industry, the range varies from wafer type lift & swing type non return valve Nilon swing check valves are provided with properly guided swing disc through a hinge. The hinge and swivel disc are connected maintaining sufficient flexibility for smooth and efficient sealing. “Nilon” Series non return valve are available with metal-to-metal sealing for high temperature and pressure; soft sealing for pneumatic and vacuum applications. Designed to ensure full flow, efficient function and minimum pressure drop across the valve.



Technical Specification	
Manufacturing Standard	BS 5351 / API 6D
Testing Standard	API 598
Pressure Class	150# to 2500#
Material Of Construction	Cast Iron IS 210 , Gr. FG 200/220/260, Cast Carbon Steel ASTM 216 Gr.WCB , Cast Steel ASTM 352,Gr.LCB & LCC Cast Stainless Steel ASTM 351 CF8/CF3/CF8M/CF3M, Alloy 20 ASTM A351 Gr. CN7M Forged Carbon Steel ASTM A 105 Duplex and Hastelloy
Design Type	Bolted Bonnet Solid/ Flexible Wedge, O. S & Y type
Size Range	1/4" inch to 60" inch
End Connection	Flanged Ends, Screwed Ends to NPT/BSPT & Socket Welded to ANSI B16.11
Engineering Operations	Lever operated, Gear operated, Electrical Actuator operated, pneumatically Operated



## PLUG VALVES

“Nilon” Series Plug valves, also called cock or stop-cock valves, date back to ancient times, where they were developed for use in citywide Roman plumbing systems. Today, they remain one of the most widely used valves for both on/off and throttling services. Their design is fairly simple; the body is comprised of three main parts: body, cover and plug. The plug is a cylindrical, tapered, or generally cone-shaped device that can be raised or lowered within the seat to maintain, restrict or completely shut off flow. The valve is opened by rotation, with the plug itself being the only element that is capable of movement. Early models of plug valves used metal-to-metal seals that were not lubricated. This design is still used, but problems with galling and sticking limit their usefulness. The use of lubricant between the plug face and the seat eliminates most of these problems. The lubricant helps to control leakage around the plug, reduces wear between the valve contact surfaces, and slightly lifts the plug to reduce the operating torque required to operate the valve.



Technical Specification	
Manufacturing Standard	BS 5351 / API 6D
Testing Standard	API 598
Pressure Class	150# to 1500#, PN10 to PN16
Material Of Construction	Cast Iron IS 210 , Gr. FG 200/220/260, Cast Carbon Steel ASTM 216 Gr.WCB , Cast Steel ASTM 352,Gr.LCB & LCC Cast Stainless Steel ASTM 351 CF8/CF3/CF8M/CF3M, Alloy 20 ASTM A351 Gr. CN7M Forged Carbon Steel ASTM A 105 Duplex and Hastelloy
Design Type	Two Way, Three Way
Size Range	½" Through 18"
End Connection	Screwed End, Flanged End, Butt Weld
Engineering Operations	Manual, Wrenched Operated, Gear Operated, Pneumatic Actuator, Electric Actuator





## BELLOW SEAL VALVES

"Nilon" Series Bellow Seal Valve body in cast or forged construction to suit your requirements Spindle with bellow assembly easily replaceable -ease of maintenance Gland packing available as standard in addition to bellow - to arrest any gland leakage in the event of bellow damage Wide choice of bellow materials - including Inconel, Hastalloy, Monel, etc. External pressurization of bellow - leading to longer bellow life Welding of bellow done under most stringent conditions Bellows selected for higher stroke length than necessary - ensures longer life of bellows Temperature compensation considered as standard during sizing and selection of bellows Helium leak test, cyclic test, radiography, etc. can be done on request Available in ANSI Class 150 and 300. Higher pressure classes on request.



Technical Specification	
Manufacturing Standard	API 6D
Testing Standard	API 598
Pressure Class	150# to 1500#, PN10 to PN16
Material Of Construction	Cast Iron IS 210 , Gr. FG 200/220/260, Cast Carbon Steel ASTM 216 Gr.WCB, Cast Steel ASTM 352,Gr.LCB & LCC Cast Stainless Steel ASTM 351 CF8/CF3/CF8M/CF3M, Alloy 20 ASTM A351 Gr CN7M Forged Carbon Steel ASTM A 105 Duplex and Hastelloy
Design Type	Gate/ Globe
Size Range	½" Through 24"
End Connection	Screwed End, Flanged End, Bult Welded Ends
Engineering Operations	Manual, Wrenched Operated, Gear Operated, Pneumatic Actuator, Electric Actuator



## BUTTERFLY VALVE

"Nilon" Series Butterfly valve are the best used in the industry, the range varies from wafer type lift & swing type non return valve Nilon swing check valves are provided with properly guided swing disc through a hinge. The hinge and swivel disc are connected maintaining sufficient flexibility for smooth and efficient sealing. "Nilon" Series non return valve are available with metal-to-metal sealing for high temperature and pressure; soft sealing for pneumatic and vacuum applications. Designed to ensure full flow, efficient function and minimum pressure drop across the valve.



### Technical Specification

Manufacturing Standard	BS 5155 / API 609, AWWA C 504
Testing Standard	BS 6755 / API 598
Pressure Class	150# to 1500#, PN10 to PN16
Material Of Construction	Cast Iron IS 210 , Gr. FG 200/220/260, Cast Carbon Steel ASTM 216 Gr.WCB , Cast Steel ASTM 352,Gr.LCB & LCC Cast Stainless Steel ASTM 351 CF8/CF3/CF8M/CF3M, Alloy 20 ASTM A351 Gr CN7M Forged Carbon Steel ASTM A 105 Duplex and Hastelloy
Design Type	Slim seal, Wafer Type, Double flanged Type, Lug Type
Size Range	1½" inch to 92" inch
End Connection	Wafer Type, Flanged End, Butt Weld
Engineering Operations	Lever operated, Gear operated, Pneumatic/ Electrical Actuator operated



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## WORLD MAP SHOWING COUNTRIES WE ARE PRESENT AND WHERE WE DO BUSINESS

- **PLANTS** – India
- **LOCAL OFFICES / LOCAL AGENTS** – UAE, Nigeria, North America, Kenya, Oman, Algeria
- **MARKETS SERVED** – USA, South Africa, Zambia, Nigeria, Oman, Iran, Kenya, Sri-Lanka, Mozambique,







**Registered Office** - 1/18,19, Ellora Commercial Centre, Behind Relief Cinema, Salapas Road, Ahmedabad - 380 001, Gujarat, India.

**Unit 1** - 28-31/A - Sardar Patel Industrial Estate, Nr. Shahwadi, Narol, Ahmedabad - 382405, Gujarat, India.

**Unit 2** - Survey No. 160, Navagam Dandi Road, Navagam, Bareja, Ahmedabad 382130, Gujarat, India

**Contact Numbers** - +917929706782,  
9898356766, 9725111888

**Email** - [info@nilonvalves.com](mailto:info@nilonvalves.com)

**Website** - [www.nilonvalves.com](http://www.nilonvalves.com)

