



2L Engineers

SafeByDesign

Manufacturers & Exporters of Industrial Valves

BRINGING YOU THE
CONTEMPORARY
TRENDS IN
VALVE
TECHNOLOGY



MULTI PRODUCT CATALOGUE



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OUR VISION

“To be a globally preferred brand in the space of Valve Technology”

Welcome to 2L Engineers,

since our establishment in 2008, we are committed to manufacture high quality Valves designed for critical applications. The passion that surrounds 2L combines with an inherent bond between engineering and design, ensuring a product with precision manufacturing & accuracy to meet international specifications. We have our manufacturing facility in Hubli, Karnataka, which has a rich and fascinating history of manufacturing quality Valves in India. We are an ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 certified company, approved manufacturer and international markets for specialized fields such as chemical, power, steel, Food Industry, Pulp, Oil & Gas, Water management and General Industry

2L Engineers over the years has built a complete range of standard and custom designed Valves for various user Industry. The company is committed to deliver innovative Valve design with emphasis to Safety and Quality duering every step of the process. At 2L, every Valve is built upon the passion, skill and experience of the people who dedicate their working lives to deliver high-standard product to our customers, and at every stage of product development we focus to deliver a Valve with long service life and low in-line maintenance. For each and every member at 2L, excellence is not only a value; it is a discipline and we take pride to say our products are crafter with a great passion for engineering.

There's no better way to get to know us that getting close up to our Valves and best way to do that is to talk to us and experience what we mean.



CERTIFICATION PROGRAMS



Certificate 6D-1943



ISO 14001 : 2015



ISO 9001 : 2015



ISO 45001 : 2018



Firesafe Test Certification in accordance with International stds for various range of Valves



Cyclic Test Certification for various range of valves

BALL VALVE (FLOATING)



- | | |
|-----------------|---|
| Features | <ul style="list-style-type: none"> • Cast & forged valves • Available in both soft or metal seat • Full bore & reduced bore designs • Double body joint & triple stem sealing • Fire Safe as per API 607 & API 6FA • Stem extension possible • Antistatic device |
|-----------------|---|

Design Standard	BS EN ISO 17292 [BS5351], API 6D
Size	DN 15 to DN 250 [1/2" to 10"]
Pressure rating	ASME 150# to 300#
Material Construction	WCB, LCB, CF8, CF8M, CF3, CF3M, CD4MCu, CN7M, Monel, Gun Metal & Aluminium Bronze
Operation	Lever, Gear & Actuators (Pneumatic, Hydraulic & Motorized)
Seat	PTFE, PEEK, RPTFE & Metal Seated
End Connection	Flanged, Butt-Weld, Screwed & Socket-Weld, Pup end, RTJ etc.,

BALL VALVE (TRUNNION)



- | | |
|-----------------|---|
| Features | <ul style="list-style-type: none"> • Cast & forged valves • Available in both soft or metal seat • Full bore & reduced bore designs • Double body joint & triple stem sealing • Fire Safe as per API 607 & API 6FA • Blow out proof stem construction • ISO 5211 top pad for mounting • Antistatic device |
|-----------------|---|

Design Standard	BS EN ISO 17292 [BS5351], API 6D
Size	DN 50 to DN 900 [2" to 36"]
Pressure rating	ASME 150# to 2500#
Material Construction	WCB, LCB, CF8, CF8M, CF3, CF3M, CD4MCu, CN7M, Monel, Hast Alloy, Gun Metal & Aluminium Bronze
Operation	Lever, Gear & Actuators (Pneumatic, Hydraulic & Motorized)
Seat	PTFE, PEEK, Viton, Reinforced PTFE & Metal Seated
End Connection	Flanged, RTJ & Butt-Weld

BUTTERFLY VALVE (CENTRIC)



- | | |
|-----------------|--|
| Features | <ul style="list-style-type: none"> • Stem extension possible • Split Design with PTFE Sleeve for high performance • Semi lugged & full lugged designs • Different Lining & Metallurgy to suit a wide variety of applications |
|-----------------|--|

Design Standard	BS EN 593, AWWA C504, API 609
Size	DN 40 to DN 600 [1.1/2" to 24"]
Pressure rating	PN 6 to PN 16 & 150#
Material Construction	Cl, DI WCB, CF8, CF8M, AB2, Duplex & Super Duplex
Operation	Lever, Gear & Actuators (Pneumatic, Hydraulic & Motorized)
Seat (Replaceable Type)	EPDM, Silicon, Viton, Nitrile, Hypalon & NBR
End Connection	Wafer & Lugged

BUTTERFLY VALVE (DOUBLE OFFSET DISC)



- | | |
|-----------------|---|
| Features | <ul style="list-style-type: none"> • Stem extension possible • Top mounting as per ISO 5211 • Self energizing seat design • Blow out proof stem |
|-----------------|---|

Design Standard	BS EN 593, AWWA C504, API 609
Size	DN 100 to DN 1400 [4" to 56"] Higher Sizes on request
Pressure rating	PN 6 to PN 16
Material Construction	Cl, DI WCB, CF8, CF8M, Duplex & Super Duplex & MS Fabricated
Operation	Lever, Gear & Actuators (Pneumatic, Hydraulic & Motorized)
Seat	EPDM, Silicon, Viton, Nitrile, NBR & Metal seated
End Connection	Wafer & Flanged

For any other materials of constructions, size and pressure rating contact 2L Engineers
2L Engineers reserves the right to change the contents without notice



CHECK VALVE (DUAL PLATE)

- | | |
|-----------------|--|
| Features | <ul style="list-style-type: none"> • Available in both soft & metal seated • Swinging disk design to protect low pressure and smaller system • Different Lining & Metallurgy to suit a wide variety of applications • Available with lifting bolts for easy installation |
|-----------------|--|

Design Standard	API 594, API 6D BS EN 19342
Size	DN 50 to DN 1200 [2" to 48"]
Pressure rating	PN10, PN16, ASME 150# to 1500#
Material Construction	CI, DI, WCB, CF8, CF8M & Duplex Steel
Operation	Automatic
Seat	Soft : EPDM, Silicon, Viton, Nitrile & NBR, Metal Seated
End Connection	Lugged, Wafer & Flanged



CHECK VALVE (SINGLE PLATE - WAFER)

- | | |
|-----------------|--|
| Features | <ul style="list-style-type: none"> • Minimizes piping support with the compact wafer style body • Replaceable O-ring seat, available in all styles & sizes • Different Lining & Metallurgy to suit a wide variety of applications |
|-----------------|--|

Design Standard	API 6D BS EN 13942
Size	DN 25 to DN 800 [1" to 32"]
Pressure rating	PN 10 & PN 16
Material Construction	CI, DI, WCBM CF8, CF8M & Duplex Steel
Operation	Automatic
Seat	Soft : EPDM, Silicon, Viton, Nitrile, NBR & PTFE
End Connection	Wafer



SWING CHECK VALVE

- | | |
|-----------------|---|
| Features | <ul style="list-style-type: none"> • Gasket design to ensure self sealing under pressure • Non-rotating disc is fastened securely to disk hanger with a lock nut and cotter pin • All parts are accessible from top for easy servicing |
|-----------------|---|

Design Standard	API 6D, BS 1868, ANSI B 16.34
Size	DN 50 to DN 350 [2" to 14"]
Pressure rating	ASME 150# TO 900#
Material Construction	DI, WCB, LCB, CF8 & CF8M
Operation	Automatic
Seat	Metal to Metal
End Connection	Flanged, Butt Weld Ends



FORGED STEEL VALVE

- | | |
|-----------------|---|
| Features | <ul style="list-style-type: none"> • Stem extension possible • Renewable seat rings for longer service life • Welded bonnet on request for high pressure • Lift type design for check valve |
|-----------------|---|

Design Standard	BS EN ISO 15761 (BS 5352), API 602
Size	DN 15 to DN 50 [1/2" to 2"]
Pressure rating	ASME 150#, 300#, 800# TO 2500#
Material Construction	A105, F304, F316, LF2, F11, F22, F51 & F55
Operation	Handwheel, Gear & Actuators
Seat	Soft Seat & Metal seated
End Connection	Screwed, Socket, Butt Weld & WNRF

GLOBE VALVE



Features

- OS & Y Construction
- Bi directional shut-off
- Valves provided with backseat arrangement
- Anti-frictional ball bearings for higher sizes & Classes
- Locking arrangement possible

Design Standard

BS 1873, ANSI B 16.34

Size

DN 50 to DN 400

Pressure rating

ASME 150# to 1500#

Material Construction

WCB, LCB, CF8 & CF8M, Duplex Stainless Steel

Operation

Handwheel, Gear & Actuator

Seat

Metal to Metal

End Connection

Flanged, Butt Weld Ends

GATE VALVE



Features

- OS & Y Construction
- Bi directional shut-off
- Valves provided with backseat arrangement
- Anti-frictional ball bearings for higher sizes & Classes
- Locking arrangement possible

Design Standard

API 600, ANSI B 16.34 ISO 10434

Size

DN 50 to DN 600

Pressure rating

ASME 150# to 1500#

Material Construction

WCB, LCB, CF8 & CF8M, Duplex Stainless Steel

Operation

Handwheel, Gear & Actuator

Seat

Metal to Metal

End Connection

Flanged, Butt Weld Ends

PLUG VALVE (SLEEVED)



Features

- Bi directional flow
- Plug designed to ensure low operating torque
- Self sealing design
- No cavity in the plug valve for accumulating of the medium
- ISO 5211 mounting pad for actuation

Design Standard

API 599, BS EN ISO 5353

Size

DN 15 to DN 300 (1/2" to 12")

Pressure rating

ASME 150# & 300#

Material Construction

WCB, CF8, CF8M & CN7M

Operation

Lever, Gear & Actuators (Pneumatic & Motorized)

Seat (Replaceable Type)

PTFE

End Connection

Flanged & Screwed

Customised Valve Solutions



At 2L Engineers we are flexible to the varied product design requests of our customers. Based upon our long years of experience and fresh ideas, we have come to offer various product customizations for each requirement and have achieved a high level of customer satisfaction.

We put our engineering expertise and innovative manufacturing capabilities to create a custom valve solution that matches the requirements of your unique application.

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OUR PRODUCTS



Valves
installed in
15 Countries
& counting....



2L Engineers



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