



Manufacturer & Supplier of
Valve Automation Products and Spares

PRODUCT BROCHURE 2024

PRODUCT RANGE

- Two-Way Globe Control Valve •
- Pneumatic Ball Valve •
- Pneumatic Butterfly Valve •
- Three-Way Globe Control Valve •
- Pneumatic Flush Bottom Valve •
- Angle Control Valve •
- Desuperheater •
- Pressure Regulating Valve •
- Pressure Relief Valve (Safety Valve) •
- Valve Automation Accessories •

ABOUT US

Welcome to VYLCON VALVES PVT. LTD.

As a top manufacturer of control valves, VYLCON VALVES PVT. LTD. combines a strong dedication to innovation and quality with a wealth of industry experience. Our proficiency in the production of control valves allows us to provide superior solutions that are customized to meet the demands of different industrial sectors.

We take pleasure in our ability to deliver our control valves on schedule, guaranteeing that your operations go without hiccups. Our hardworking staff strives to keep operations running smoothly and rapidly fulfill client requests.

At VYLCON VALVES PVT. LTD. affordability is the cornerstone of our business strategy. We provide a selection of reasonably cost control valves that are made to offer great value and noteworthy returns on investment (ROI). Our products are designed to increase equipment lifespan, lower maintenance costs, and improve operational efficiency.

DESIGN AND ENGINEERING

At VYLCON VALVES PVT. LTD., our Engineering department is committed to design innovation. By combining our expertise, experience, and advanced CAD/CAE technology, we deliver high-quality valves for a broad range of applications.

TECHNOLOGY

At VYLCON VALVES PVT. LTD. We use computer technology to create precise valve sizing and noise prediction data from customer specifications, guaranteeing that each valve meets its design parameters. Our valves are produced with our state-of-the-art production machinery and testing facilities.

QUALITY STATEMENT

We aim to design, manufacture, and deliver valves that are precisely selected for material and type, and correctly sized to handle all process conditions, including extreme scenarios while ensuring safety and durability. Our commitment includes thorough stage-wise inspection, testing, and providing after-sales support with spare parts and services tailored to client needs, all with a 'One-All' approach.

Technical Specifications

DESIGN: ASME B16.34

VALVE SIZE: 15 to 450 mm (½" to 18")

RATING: 150 to 2500 ANSI

END CONNECTION: Flanged, Screwed, Butt weld, Socket weld

MATERIAL: Carbon steel, Stainless steel, Monel, Duplex, Alloy 20, Hastelloy B/C, Aluminum Bronze, PFA Lined etc.

TRIM FORMS: Top guided Contoured. Splined Micro flow
V- Ported (Balanced / Unbalanced)
Low Noise (Upto four Stage Pressure Reduction Balanced / Unbalanced)

TRIM MATERIAL: Stainless steel, Alloy20, Monel, Duplex Hastelloy B/C, Stellite

FLOW CHART: Equal, Linear & Quick Opening

SEAT LEAKAGE: Class III, IV, V, & VI (FCI-70.2)

Standard Leakage Rates

Metal to Metal Seating Class IV-less than 0.01% of rated Cv

Metal to Soft Seating Class VI-Bubble tight (Zero Leakage)

GLAND PACKING: Grafoil or PTFE Chevron

ACTUATOR: Diaphragm, Piston or Electrical

ACTUATOR ACTION: Direct / Reverse Acting

Key Features and Benefits :

Heavy Duty Top Guided

High Flow Capacity

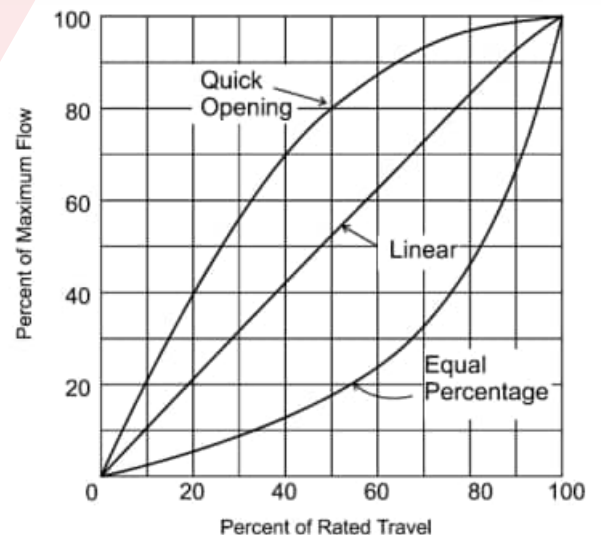
Large Variety of trim Design

Tight Shutoff & soft seated option

Easy Maintenance

Areas of Applications :

All Industry Segments, Power, Nuclear, Oil & Gas, Refining, Fertilizer, Chemical, Pharmaceuticals, Aerospace etc.



Pneumatic Ball Valve

Technical Specifications

DESIGN STANDARD: BS EN ISO 17292 (BS 5351)

SIZE: 15mm to 300mm

PRESSURE RATING: 150#, 300# (Other Pressure Rating are available on Request)

BODY MATERIALS: CI, WCB, CF8, CF8M, CF3M, Hastelloy C/BOther Material Grade
are available on Request)

SEAT: PTFE, Reinforced PTFE, PEEK& Metal seated

TYPE: Ball Type ON-OFF

ACTUATOR: Rack & Pinion, Scotch yoke both in single acting & Double Acting,
Electric Motorized.

ACCESSORIES: Valve Positioner (Pneumatic Electro Pneumatic, and Smart Positioner),
Air set, Solenoid Valve, Air Lock, Limit Switches

SPECIAL FEATURES: Suitable for high pressure & high temperature service/ Low Torque

END CONNECTION: Flanged end ANSI B 16.5, 150#, 300#, (RF, RTJ & TG),
(Other Class are available on Request)

Key Features and Benefits :

Resistance to corrosion.

Fine Finish and Compact Design with declutchable handwheel.

Easily replaceable PTFE seats and Packing.

Prolonged successful operation even under High Pressures.

Areas of Applications :

Air, Gas, Water, Chemicals, Pharma, Oil, Acid, Foods, Vacuum, Heat Treatment, Paper and Sugar Industries



Technical Specifications

DESIGN: Wafer type

VALVE SIZE: 50 to 600 mm (2" to 24")

BODY TYPE: Metal to Metal / Double Offset /Triple Offset /Sleeve Design

SEAT LEAKAGE: II to VI (FCI-70.2)

BODY: Cast Iron, Carbon Steel, Stainless Steel etc.

VANE / DISC: Stainless steel, (Other on request)

BODY SLEEVE: Nitrile, EPDM, Other on Request

ACTUATOR: Diaphragm, Rotary or Electrical

GLAND PACKING: PTFE V Ring upto 180°C, Grafoil upto 400°C

Key Features and Benefits :

Heavy Duty Top Guided

Large Variety of trim Design

Tight Shutoff & soft seated option

Easy Maintenance

Areas of Applications :

All Industry Segments, Power, Nuclear, Oil & Gas, Refining, Fertilizer, Chemical, Pharmaceuticals, Aerospace etc.

Pneumatic Butterfly Valve



Three-Way Globe Control Valve

Technical Specifications

DESIGN: ASME B16.34

BODY FORM: Globe type with Tail piece to provide third port

VALVE SIZE: 15 to 300 mm (½" to 12")

RATING: 150 to 1500 ANSI

TRIM FORM: Linear, V-Port Skirt Guided

FLOW CHART: Linear, On/Off

SEAT LEAKAGE: V, V & VI (FCI-70.2)

ACTUATOR: Diaphragm, Piston or Electrical

ACTUATOR ACTION: Direct / Reverse Acting

Key Features and Benefits :

Heavy Duty Top Guided / High Flow Capacity / Easy Maintenance

Large Variety of trim Design / Tight Shutoff & soft seated option

Areas of Applications :

All Industry Segments, Power, Nuclear, Oil & Gas, Refining, Fertilizer, Chemical, Pharmaceuticals, Aerospace etc.



Pneumatic Flush Bottom Valve

Technical Specifications

DESIGN: Plug Type

VALVE SIZE: 1/2" to 14" (15MM - 350MM)

PRESSURE RATING: 150# to 300# other standards are available on request

MATERIAL: Fabricated in Carbon Steel, SS 304, SS 316, SS 304L, SS 316L

DESIGN TEMPERATURE: -20°C to 280°C

Key Features and Benefits :

Customized designs as per customer requirement

High flow capacity and Zero material clogging

Heavy Duty Construction for longer life

Temperature sensor attachment in plug

Areas of Applications :

Petrochemical industry, Pharmaceutical, Chemicals, Process industry etc.



Angle Control Valve

Technical Specifications

SIZE: 15mm to 80mm

BODY MATERIAL: CF8, CF8M, CF3M (Others are available on request)

TRIM / SPINDLE: Stainless Steel SS304, SS316, SS316L

END CONNECTION: Female Screwed to BSP or NPT Ends, Flanged ends, Triclover

LEAKAGE: Drop Tight/Bubble Tight, Class IV ANSI B16, 104,1976

ACTUATOR

BODY: SS 304 Pressed

COVER FLANGE: ASTM A351 Gr. CF8 (SS304) Investment Die-Cast

SPRING: Spring Steel (IS 4454 Gr. III)

PORT CONNECTION: 1/4" BSP (NPT on request)

OPERATING PRESSURE: 3.5 to 7 Bar(g)

OPERATING CYCLES: 350 to 650 Cycles / Hr.



Desuperheater

Applications :

Mechanical atomizing type Desuperheaters are generally used to lowering the temperature of superheated steam to the required set point by injecting atomized water in to the superheated steam flow with spray Nozzle.

Technical Specifications

Steam Line Size: 25 mm to 400 mm NB

Connection Size: Steam Side Mounting Flange - 80 NB

Water Side Flange: 25 mm, 40 mm NB

Pressure Rating: 150# to 2500#

Body MOC: Carbon Steel / Alloy steel /Stainless Steel

Nozzle MOC: SS 316 (Stellited optional)

Actuator: Pneumatic / Electrical

Rangeability: 40: 1

End Connections: Flanged



Pressure Regulating Valve

Technical Specifications

Valve Size: 1/2" to 2" (15MM - 50MM)

Pressure Rating: 150# to 300# other standards are available on request

Material: A216 Gr WCB, A351 CF8 (SS304), A351 CF8M (SS316)

End Connection: Flanged and Screwed

Key Features and Benefits :

Safe operation at high pressure

Accurate outlet pressure

Tight Shut-off, zero leakage

Customised Design as per customer's requirement

Easy for maintenance

Areas of Applications :

Process service like Nitrogen, Hydrogen Gases, Utility Services like Water & Air, Fertilizer, Chemical &Phramaceutical



Pressure Relief Valve (Safety Valve)

Technical Specifications

Valve Size: 1" to 4" (25MM - 100 MM)

Pressure rating: 150# and 300#

End connection: Flanged and Screwed and TC end

Material: A216 Gr WCB, A351 CF8 (SS304), A351 CF8M (SS316)

Key Features and Benefits :

Ideal For High pressure and high temperature services

Valve size can Standardized according to set pressure

High efficiency and better performance

Areas of Applications :

Vapor, Gas and liquid for over pressure protection.



VALVE AUTOMATION ACCESSORIES



Pneumatic Actuator



Limit Switch



Positioner



Air Filter Regulator



Gear Box



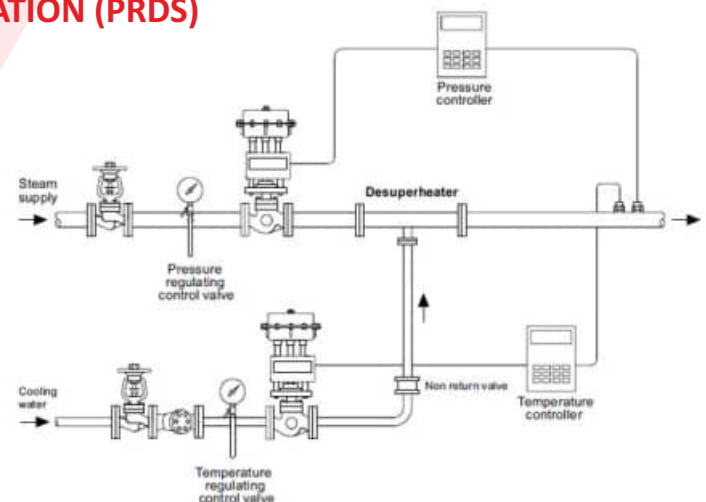
Solenoid Valve

PRESSURE REDUCING AND DESUPERHEATING STATION (PRDS)

We also design and manufacture PRDS stations tailored to the specific requirements of our customers.

SIZE: 1" to 12" (25mm to 300mm)

CLASS: 150# to 600#



YOUR
FLOW
OUR
EXPERTISE



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