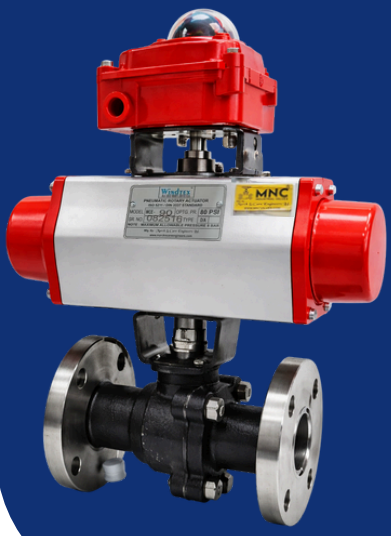
MNC Industrial Valves

MNC Valves

Marck & Care Engineers Limited



Product Catalog

Phone Number
8851787886 / 7838614110

Sales Contact No.
9899370407 / 9217043639

Our Website
www.mncvalves.com

Corporate Office:

1043, 10th Floor, Tower B, Plot No. 40, Block A The i-Thum, Sector 62, Noida - 201301

Manufacturing Unit:

Plot No. G8, H S Landmark II, Narol-Sarkhej Highway Ahmedabad - 382405, Gujarat, India

GSTIN : 24AAECM8567B1ZI
CIN : U29253DL2006PLC155036

Contact Information

About the Company

COMPANY INTRODUCTION

MNC Valves is the manufacturing and engineering division of Marck & Care Engineers Limited, specializing in a comprehensive range of industrial valves and flow control equipment for critical and general service applications.

With a strong focus on engineering discipline, material integrity, and compliance with international standards, MNC Valves designs and manufactures valves suitable for water, chemical, power, oil & gas, process, utility, and industrial pipeline services.

Our product range covers manual, gear-operated, and actuator-ready valves, manufactured with strict control on design standards, material selection, pressure ratings, and testing procedures to ensure long service life and dependable performance.

MANUFACTURING PHILOSOPHY

At MNC Valves, manufacturing is driven by systems, not shortcuts.

- **Design as per international valve standards**
- **Controlled sourcing of castings, forgings, and trims**
- **Precision machining and assembly**
- **Mandatory hydrostatic and seat testing**
- **Focus on repeatability, traceability, and quality consistency**

Every valve supplied by MNC Valves is engineered to meet site, EPC, and consultant expectations.

QUALITY & TESTING

All valves are tested in accordance with applicable standards such as:

- **API 598 / API 6D**
- **ASME B16.34 / B16.5**
- **API 600 / API 609**
- **IEC standards (where applicable)**

Standard tests include:

- **Shell (Body) Hydrostatic Test**
- **Seat Leakage Test**
- **Operational & Functional Checks**
- **Special tests for lined valves (Spark / Holiday Test)**

PRODUCT RANGE OVERVIEW

MNC Valves manufactures and supplies:

- Ball Valves (Standard, Multi-port & High Pressure)
- Gate & Globe Valves
- Butterfly Valves (Concentric, Offset & Special Types)
- Industrial Strainers
- PTFE / PFA Lined Valves
- Control Valves
- Check Valves
- Safety & High-Pressure Valves

Each product category is detailed in this catalog with technical specifications, material details, pressure ratings, and testing standards.

APPLICATION AREAS

- Water & Wastewater
- Chemical & Petrochemical
- Power Plants
- Oil & Gas
- Process Industries
- Utilities & Infrastructure
- General Industrial Services

ABOUT MNC VALVES

MNC Valves is an Indian manufacturer of engineered industrial valves, designed and supplied in accordance with international design codes, pressure standards, and testing requirements for use in process plants, utilities, pipelines, and critical service applications.

The company focuses on supplying technically compliant, approval-ready valves suitable for EPC, consultant, and project-driven requirements, where design integrity, material selection, pressure rating, and testing conformity are mandatory.

All products covered in this catalog are intended for engineering specification, project documentation, and technical approval purposes.

DESIGN & ENGINEERING BASIS

Valves are designed considering the following core engineering parameters:

- **Applicable Design Codes & Standards**
- **Pressure–Temperature ratings**
- **End connection standards**
- **Material compatibility with service media**
- **Seat and body stress conditions**
- **Operability and maintainability**

Typical design standards include (as applicable):

- **ASME B16.34 – Valve design & pressure ratings**
- **ASME B16.5 / B16.10 – Flanges & face-to-face**
- **API 600 / API 609 / API 6D / API 594**
- **BS 1873 / EN 593 / IEC standards**
- **Manufacturer standards where codes are not defined**

MATERIAL SELECTION PHILOSOPHY

Material selection is based on service conditions and project specifications, including:

- **Body & bonnet:** WCB, CF8, CF8M, DI, Alloy Steel
- **Internal trims:** SS304 / SS316 / Hardened SS
- **Soft seating:** PTFE, RPTFE, EPDM, NBR
- **Lining materials:** PTFE / PFA (for corrosive service)

All materials are selected to meet pressure, temperature, corrosion, and operational requirements.

TESTING & QUALITY ASSURANCE

Each valve is subjected to mandatory inspection and testing in accordance with applicable standards.

Standard testing includes:

- Shell (Body) Hydrostatic Test
- Seat Leakage Test (soft / metal seated as applicable)
- Operational & functional checks

Testing standards followed:

- API 598 / API 6D
- IEC leakage criteria (for control valves)
- Spark / Holiday Test for lined valves

Test pressures are applied as per code-defined multiples of rated pressure.

MATERIAL SELECTION PHILOSOPHY

This catalog covers the following valve categories with technical specifications only:

- **Ball Valves (Standard, Multi-Port & High Pressure)**
- **Gate Valves**
- **Globe Valves**
- **Butterfly Valves (Concentric, Offset & Special Types)**
- **Industrial Strainers**
- **PTFE / PFA Lined Valves**
- **Control Valves**
- **Check Valves**
- **Safety & High-Pressure Valves**

Each product section includes:

- **Size range**
- **Pressure class**
- **Applicable standards**
- **Material of construction**
- **Testing requirements**

INTENDED USE OF THIS CATALOG

This document is intended for:

- **EPC technical evaluation**
- **Consultant approvals**
- **Tender specifications**
- **Project documentation**
- **Engineering reference**

Commercial details, pricing, and delivery terms are intentionally excluded from this catalog.

BALL VALVES

- Ball Valve - Screwed, Single Piece, 150#, Size up to 50 mm
- Ball Valve - Flanged, Three Piece, Size 15-300 mm, Class 150#/300#, MOC CF8 / CF8M / WCB
- Ball Valve - Flanged, Two Piece, Size 15-600 mm, Class 150#/300#/600#, MOC WCB / CF8 / CF8M
- Trunnion Mounted Ball Valves
- Three Way Ball Valve - Screwed
- Three Way Ball Valve - Flanged
- Four Way Ball Valve - Screwed
- Four Way Ball Valve - Flanged
- High Pressure Ball Valve - Screwed

GATE, GLOBE & CHECK VALVES

Gate Valves - Screwed & Flanged, Size 15-600 mm, Class 150#/300#/600#, MOC WCB / CF8 / CF8M

Globe Valves – Screwed & Flanged, Size 15-600 mm, Class 150#/300#/600#, MOC WCB / CF8 / CF8M

Check Valves – Wafer, Screwed & Flanged, Size 15-1000 mm, Class 150#/300#/600#, MOC WCB / CF8 / CF8M

BUTTERFLY VALVES

Butterfly Valve – Wafer Type

Butterfly Valve – Double Flanged

Butterfly Valve – Spherical

Butterfly Valve – Lug Type

Butterfly Valve – Double Offset

Butterfly Valve – Damper Type

Butterfly Valve – Teflon (PTFE) Seated

STRAINERS

- Y Type Strainer
- T Type Strainer
- Pot Type Strainer
- Basket Type Strainer

LINED VALVES

- PTFE / PFA Lined Ball Valves
- PTFE / PFA Lined Butterfly Valves
- PTFE / PFA Lined Plug Valves
- PTFE / PFA Lined Flush Bottom Valves

CONTROL VALVES

- Control Valves - Two Way
- Control Valves - Three Way

CHECK VALVES

- Dual Plate Check Valve
- Swing Check Valve
- Disc Check Valve (DCV)
- Wafer Check Valve

SAFETY & HIGH-PRESSURE VALVES

- Safety Valve - Screwed
- High Pressure Check Valve - Screwed
- High Pressure Needle Valve - Screwed

MNC Valves
Marck & Care Engineers Limited

MNC VALVES – TECHNICAL CATALOG

SECTION 1 – BALL VALVES

1. Ball Valve – Screwed, Single Piece (150#)

Technical Specifications	
Parameter	**Specification**
Valve Type	Ball Valve – Single Piece
End Connection	Screwed (BSP / BSPT / NPT)
Nominal Size	15 mm to 100 mm
Pressure Class	ASME Class 150
Design Standard	ASME B16.34
End Standard	As per ASME B 16.10
Body MOC	SS304 / SS316
Ball MOC	SS304 / SS316
Stem MOC	SS304 / SS316
Seat Material	PTFE
Seat Pressure Rating	As per Class 150
Body Pressure Test	1.5 × Rated Pressure
Seat Leakage Test	1.1 × Rated Pressure
Testing Standard	BS 6755 / API 598
Operation	Lever Operated
Typical Applications	Water, Air, Oil, Gas, Steam

2. Ball Valve - Flanged, Three Piece

Technical Specifications	
Parameter	**Specification**
Valve Type	Ball Valve – Three Piece
End Connection	Flanged
Nominal Size	15 mm to 400 mm
Pressure Class	ASME Class 150 / 300
Design Standard	ASME B16.34
Flange Standard	ASME B16.5
Face to Face	ASME B 16.10
Body MOC	WCB / SS304 / SS316
Ball MOC	SS304 / SS316
Stem MOC	AISI 410 / SS304 / SS316
Seat Material	PTFE / RPTFE
Seat Pressure Rating	As per Pressure Class
Body Pressure Test	1.5 × Rated Pressure
Seat Leakage Test	1.1 × Rated Pressure
Testing Standard	BS 6755 / API 598
Operation	Lever / Gear / Actuator
Typical Applications	Chemical, Pharma, Process Industries

3. Ball Valve - Flanged, Two Piece

Technical Specifications	
Parameter	**Specification**
Valve Type	Ball Valve – Two Piece
End Connection	Flanged
Nominal Size	15 mm to 600 mm
Pressure Class	ASME Class 150 / 300 / 600
Design Standard	ASME B16.34
Flange Standard	ASME B16.5
Body MOC	WCB / SS304 / SS316
Ball MOC	SS304 / SS316
Stem MOC	AISI 410 / SS304 / SS316
Seat Material	PTFE / RPTFE
Seat Pressure Rating	As per Pressure Class
Body Pressure Test	1.5 × Rated Pressure
Seat Leakage Test	1.1 × Rated Pressure
Testing Standard	BS 6755 / API 598
Operation	Lever / Gear / Actuator
Typical Applications	Oil, Gas, Steam, Process Lines

4. Trunnion Mounted Ball Valve

Technical Specifications	
Parameter	**Specification**
Valve Type	Trunnion Mounted Ball Valve
End Connection	Flanged
Nominal Size	50 mm to 600 mm
Pressure Class	ASME Class 150 to 900
Design Standard	API 6D
Flange Standard	ASME B16.5
Body MOC	WCB / Alloy Steel / SS304 / SS316
Ball MOC	Forged Steel / SS304 / SS316
Seat Type	Soft Seated
Seat Design	Spring Loaded, Bidirectional
Body Pressure Test	1.5 × Rated Pressure
Seat Leakage Test	1.1 × Rated Pressure
Testing Standard	API 6D / API 598
Operation	Lever / Gear / Electric / Pneumatic
Typical Applications	High Pressure Service

5. Three Way Ball Valve - Screwed

Technical Specifications	
Parameter	**Specification**
Valve Type	Three Way Ball Valve (L / T Port)
End Connection	Screwed
Nominal Size	15 mm to 50 mm
Pressure Class	ASME Class 150
Design Standard	ASME B16.34
Body MOC	SS304 / SS316
Ball MOC	SS304 / SS316
Seat Material	PTFE / RPTFE
Testing Standard	API 598
Application	Flow Diversion / Mixing

6. Three Way Ball Valve - Flanged

Technical Specifications	
Parameter	**Specification**
Valve Type	Three Way Ball Valve (L / T Port)
End Connection	Flanged
Nominal Size	25 mm to 200 mm
Pressure Class	ASME Class 150
Design Standard	ASME B16.34
Flange Standard	ASME B16.5
Body MOC	WCB / SS304 / SS316
Ball MOC	SS304 / SS316
Seat Material	PTFE / RPTFE
Testing Standard	API 598
Application	Process Switching

7. Four Way Ball Valve - Screwed

Technical Specifications	
Parameter	**Specification**
Valve Type	Four Way Ball Valve
End Connection	Screwed
Nominal Size	15 mm to 50 mm
Pressure Class	ASME Class 150
Body MOC	SS304 / SS316
Ball MOC	SS304 / SS316
Seat	PTFE
Testing	API 598
Application	Special Flow Control

8. Four Way Ball Valve - Flanged

Technical Specifications	
Parameter	**Specification**
Valve Type	Four Way Ball Valve
End Connection	Flanged
Nominal Size	25 mm to 150 mm
Pressure Class	ASME Class 150
Body MOC	WCB / SS304 / SS316
Ball MOC	SS304 / SS316
Seat	PTFE / RPTFE
Testing	API 598
Application	Customized Industrial Use

9. High Pressure Ball Valve - Screwed

Technical Specifications	
Parameter	**Specification**
Valve Type	High Pressure Ball Valve
End Connection	Screwed
Nominal Size	6 mm to 50 mm
Pressure Rating	High Pressure (Instrumentation Duty)
Body MOC	SS304 / SS316
Seat	PTFE / RPTFE
Testing	API 598
Application	Hydraulic & Instrument Lines

SECTION 2 – GATE, GLOBE & CHECK VALVES

10. Globe Valve – Screwed

Technical Specifications	
Parameter	**Specification**
Valve Type	Globe Valve
End Connection	Screwed (BSP / NPT)
Nominal Size	15 mm to 50 mm
Pressure Class	ASME Class 150
Design Standard	BS 1873
Body MOC	WCB / SS304 / SS316
Plug MOC	WCB / SS304 / SS316
Seat Type	Metal Seated
Seat Pressure Rating	As per Class 150
Body Pressure Test	1.5 × Rated Pressure
Seat Leakage Test	1.1 × Rated Pressure
Testing Standard	API 598
Typical Applications	Flow regulation, steam, oil, process lines

11. Globe Valve - Flanged

Technical Specifications	
Parameter	**Specification**
Valve Type	Globe Valve
End Connection	Flanged
Nominal Size	15 mm to 600 mm
Pressure Class	ASME Class 150 / 300 / 600
Design Standard	BS 1873
Flange Standard	ASME B16.5
Body MOC	WCB / SS304 / SS316
Plug MOC	WCB / SS304 / SS316
Seat Type	Metal Seated
Seat Pressure Rating	As per Pressure Class
Body (Shell) Test Pressure	1.5 × Rated Pressure
Seat Leakage Test	1.1 × Rated Pressure
Testing Standard	API 598
Typical Applications	Throttling, pressure control service

12. Gate Valve - Flanged

Technical Specifications	
Parameter	**Specification**
Valve Type	Gate Valve – OS & Y, Bolted Bonnet
End Connection	Flanged
Nominal Size	15 mm to 600 mm
Pressure Class	ASME Class 150 / 300 / 600
Design Standard	API 600
Flange Standard	ASME B16.5
Body MOC	WCB / SS304 / SS316
Plug MOC	WCB / SS304 / SS316
Seat Type	Metal to Metal
Seat Pressure Rating	As per Pressure Class
Body Pressure Test	1.5 × Rated Pressure
Seat Leakage Test	1.1 × Rated Pressure
Testing Standard	API 598
Typical Applications	Isolation service, on/off duty

13. Knife Edge Gate Valve

Technical Specifications	
Parameter	**Specification**
Valve Type	Knife Edge Gate Valve
End Connection	Wafer / Lug / Flanged
Nominal Size	50 mm to 1000 mm
Pressure Rating	Low Pressure
Design Standard	Manufacturer Standard
Body MOC	CS / SS304 / SS316
Gate MOC	SS304 / SS316
Seat Type	Metal / Elastomer
Body Pressure Test	1.5 × Rated Pressure
Seat Leakage Test	1.1 × Rated Pressure
Testing Standard	Hydro + Seat Test
Typical Applications	Slurry, powder, ash handling

SECTION 7 – CHECK VALVES

14. Dual Plate Check Valve

Technical Specifications	
Parameter	**Specification**
Valve Type	Dual Plate Check Valve
End Connection	Wafer
Nominal Size	50 mm to 600 mm
Pressure Class	ASME Class 150 / 300
Design Standard	API 594
Body MOC	CI / CS / SS304 / SS316
Disc MOC	CI / CS / SS304 / SS316
Testing Standard	API 598
Typical Applications	Non-return service

15. Swing Check Valve

Technical Specifications	
Parameter	**Specification**
Valve Type	Swing Check Valve
End Connection	Flanged
Nominal Size	50 mm to 600 mm
Pressure Class	ASME Class 150 / 300
Design Standard	API 6D
Body MOC	WCB / SS304 / SS316
Disc MOC	AISI 410 / SS304 / SS316
Testing Standard	API 598
Typical Applications	Backflow prevention

16. Disc Check Valve (DCV)

Technical Specifications	
Parameter	**Specification**
Valve Type	Disc Check Valve
End Connection	Wafer
Nominal Size	40 mm to 300 mm
Pressure Class	ASME Class 150
Design Standard	API 594
Body MOC	SS304 / SS316
Disc MOC	SS304 / SS316
Testing Standard	API 598
Typical Applications	Compact NRV duty

17. Wafer Check Valve

Technical Specifications	
Parameter	**Specification**
Valve Type	Wafer Check Valve
End Connection	Wafer
Nominal Size	40 mm to 600 mm
Pressure Class	ASME Class 150
Design Standard	API 594
Body MOC	CI / CS / SS304 / SS316
Disc MOC	CI / CS / SS304 / SS316
Testing Standard	API 598
Typical Applications	Space saving installation

SECTION 3 – BUTTERFLY VALVES

18. Butterfly Valve - Wafer Type

Technical Specifications	
Parameter	**Specification**
Valve Type	Butterfly Valve – Concentric
End Connection	Wafer
Nominal Size	40 mm to 1200 mm
Pressure Rating	PN10 / PN16
Design Standard	API 609 / EN 593
Body MOC	CI / DI / CS / SS304 / SS316
Disc MOC	SGI / SS304 / SS316
Seat Material	EPDM / NBR
Seat Pressure Rating	As per PN Rating
Body Pressure Test	1.5 × Rated Pressure
Seat Leakage Test	1.1 × Rated Pressure
Testing Standard	API 598
Typical Applications	Water, utility, HVAC

19. Butterfly Valve - Double Flanged

Technical Specifications	
Parameter	**Specification**
Valve Type	Butterfly Valve – Concentric
End Connection	Double Flanged
Nominal Size	80 mm to 1200 mm
Pressure Rating	PN10 / PN16
Design Standard	API 609 / EN 593
Body MOC	CI / CS / SS304 / SS316
Disc MOC	CI / CS / SS304 / SS316
Seat Material	EPDM
Testing Standard	API 598
Typical Applications	Water pipelines

20. Butterfly Valve - Spherical

Technical Specifications	
Parameter	**Specification**
Valve Type	Spherical Butterfly Valve
End Connection	Wafer type
Nominal Size	50 mm to 600 mm
Pressure Class	ASME Class 150
Design Standard	Manufacturer Standard
Body MOC	WCB / SS304 / SS316
Disc MOC	SS304 / SS316
Seat Material	PTFE
Testing Standard	API 598
Typical Applications	Chemical & corrosive service

21. Butterfly Valve - Lug Type

Technical Specifications	
Parameter	**Specification**
Valve Type	Butterfly Valve – Lug
End Connection	Lug
Nominal Size	40 mm to 600 mm
Pressure Rating	PN16
Body MOC	CI / WCB / SS304 / SS316
Disc MOC	CI / WCB / SS304 / SS316
Seat Material	EPDM / NBR
Testing Standard	API 598
Typical Applications	End-of-line service

22. Butterfly Valve - Double Offset

Technical Specifications	
Parameter	**Specification**
Valve Type	Double Offset Butterfly Valve
End Connection	Wafer
Nominal Size	50 mm to 600 mm
Pressure Class	ASME Class 150
Design Standard	API 609
Body MOC	WCB / SS304 / SS316
Disc MOC	SS304 / SS316
Seat Type	Soft Seated
Testing Standard	API 598
Typical Applications	High temperature service

23. Butterfly Valve - Damper Type

Technical Specifications	
Parameter	**Specification**
Valve Type	Damper Butterfly Valve
End Connection	Wafer / Flanged
Nominal Size	150 mm to 2000 mm
Pressure Rating	Low Pressure
Design Standard	Manufacturer Standard
Body MOC	MS / SS304 / SS316
Disc MOC	MS / SS304 / SS316
Testing Standard	Operational Test
Typical Applications	Air, flue gas, ventilation

24. Butterfly Valve - PTFE / Teflon Seated

Technical Specifications	
Parameter	**Specification**
Valve Type	PTFE Seated Butterfly Valve
End Connection	Wafer / Lug
Nominal Size	40 mm to 300 mm
Pressure Rating	PN10
Body MOC	CI / DI
Disc MOC	SS304 / SS316
Seat Material	PTFE
Testing Standard	API 598
Typical Applications	Corrosive media

SECTION 4 – STRAINERS (ALL TYPES)

25. Y Type Strainer

Technical Specifications	
Parameter	**Specification**
Equipment Type	Y Type Strainer
End Connection	Screwed / Flanged
Nominal Size	15 mm to 600 mm
Pressure Class	ASME Class 150 / 300
Design Standard	ASME B16.34
Body MOC	CI / WCB / CF8 / CF8M
Screen MOC	SS304 / SS316
Screen Perforation	As per application
Body Pressure Test	1.5 × Rated Pressure
Seat / Tightness Test	1.1 × Rated Pressure
Testing Standard	Hydrostatic Shell Test
Typical Applications	Pipeline protection

26. T Type Strainer

Technical Specifications	
Parameter	**Specification**
Equipment Type	T Type Strainer
End Connection	Flanged
Nominal Size	50 mm to 600 mm
Pressure Class	ASME Class 150 / 300
Design Standard	ASME B16.34
Body MOC	MS / WCB / CF8 / CF8M
Screen MOC	SS304 / SS316
Body Pressure Test	1.5 × Rated Pressure
Testing Standard	Hydrostatic Test
Typical Applications	High flow process lines

27. Pot Type Strainer

Technical Specifications	
Parameter	**Specification**
Equipment Type	Pot / Bucket Strainer
End Connection	Flanged
Nominal Size	50 mm to 600 mm
Pressure Class	ASME Class 150 / 300
Design Standard	ASME B16.34
Body MOC	MS / WCB / CF8 / CF8M
Screen MOC	SS304 / SS316
Body Pressure Test	1.5 × Rated Pressure
Testing Standard	Hydrostatic Test
Typical Applications	Heavy debris removal

28. Basket Type Strainer

Technical Specifications	
Parameter	**Specification**
Equipment Type	Basket Strainer
End Connection	Flanged
Nominal Size	25 mm to 600 mm
Pressure Class	ASME Class 150 / 300
Design Standard	ASME B16.34
Body MOC	MS / WCB / CF8 / CF8M
Basket MOC	SS304 / SS316
Body Pressure Test	1.5 × Rated Pressure
Testing Standard	Hydrostatic Test
Typical Applications	Pumps, compressors

SECTION 5 – LINED VALVES

29. PTFE / PFA Lined Ball Valve

Technical Specifications	
Parameter	**Specification**
Valve Type	PTFE / PFA Lined Ball Valve
End Connection	Flanged
Nominal Size	15 mm to 300 mm
Pressure Class	ASME Class 150
Design Standard	ASME B16.34
Body MOC	DI / WCB / SS304 / SS316
Lining Material	PTFE / PFA
Ball MOC	SS304 / SS316 - with Lining
Seat	PTFE
Body Pressure Test	1.5 × Rated Pressure
Seat Leakage Test	1.1 × Rated Pressure
Additional Test	Spark Test (Holiday Test)
Testing Standard	API 598
Typical Applications	Acid, alkali, corrosive chemicals

30. PTFE / PFA Lined Butterfly Valve

Technical Specifications	
Parameter	**Specification**
Valve Type	PTFE / PFA Lined Butterfly Valve
End Connection	Wafer
Nominal Size	40 mm to 300 mm
Pressure Rating	PN10
Design Standard	API 609
Body MOC	DI / WCB / SS304 / SS316
Disc MOC	WCB / SS304 / SS316 - with Lining
Lining Material	PTFE / PFA
Body Pressure Test	1.5 × Rated Pressure
Seat Leakage Test	1.1 × Rated Pressure
Testing Standard	API 598
Typical Applications	Corrosive fluid service

31. PTFE / PFA Lined Plug Valve

Technical Specifications	
Parameter	**Specification**
Valve Type	PTFE / PFA Lined Plug Valve
End Connection	Flanged
Nominal Size	15 mm to 200 mm
Pressure Class	ASME Class 150
Design Standard	ASME B16.34
Body MOC	DI / WCB / SS304 / SS316
Lining Material	PTFE / PFA
Plug MOC	WCB / SS304 / SS316 - with Lining
Testing Standard	API 598
Typical Applications	Chemical isolation duty

32. PTFE / PFA Lined Flush Bottom Valve

Technical Specifications	
Parameter	**Specification**
Valve Type	Lined Flush Bottom Valve
End Connection	Flanged
Nominal Size	25 mm to 200 mm
Pressure Class	ASME Class 150
Design Standard	Manufacturer Standard
Body MOC	DI / WCB / SS304 / SS316
Lining Material	PTFE / PFA
Body Pressure Test	1.5 × Rated Pressure
Seat Leakage Test	1.1 × Rated Pressure
Testing Standard	API 598
Typical Applications	Reactors, Vessels

SECTION 6 – CONTROL VALVES

33. Control Valve - Two Way

Technical Specifications	
Parameter	**Specification**
Valve Type	Two Way Control Valve
End Connection	Flanged
Nominal Size	15 mm to 300 mm
Pressure Class	ASME Class 150 / 300
Design Standard	IEC 60534
Body MOC	WCB / SS304 / SS316
Trim MOC	SS410 / SS304 / SS316
Seat Leakage	As per IEC
Testing Standard	IEC / API 598
Typical Applications	Flow / pressure control

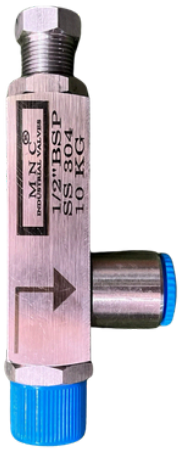
34. Control Valve - Three Way

Technical Specifications	
Parameter	**Specification**
Valve Type	Three Way Control Valve
End Connection	Flanged
Nominal Size	15 mm to 200 mm
Pressure Class	ASME Class 150
Design Standard	IEC 60534
Body MOC	WCB / SS304 / SS316
Trim MOC	SS410 / SS304 / SS316
Testing Standard	IEC
Typical Applications	Mixing / diverting service

SECTION 8 – SAFETY & HIGH-PRESSURE VALVES

35. Safety Valve – Screwed

Technical Specifications	
Parameter	**Specification**
Valve Type	Safety / Relief Valve
End Connection	Screwed
Nominal Size	15 mm to 50 mm
Design Standard	API 526 / API 527
Body MOC	WCB / SS304 / SS316
Set Pressure	As specified
Seat Leakage Test	1.1 × Rated Pressure
Testing Standard	API
Typical Applications	Pressure protection



36. High Pressure Check Valve – Screwed

Technical Specifications	
Parameter	**Specification**
Valve Type	High Pressure Check Valve
End Connection	Screwed
Nominal Size	6 mm to 50 mm
Pressure Rating	High Pressure
Body MOC	SS304 / SS316
Testing Standard	API 598
Typical Applications	Hydraulic systems

37. High Pressure Needle Valve - Screwed

Technical Specifications	
Parameter	**Specification**
Valve Type	Needle Valve
End Connection	Screwed
Nominal Size	6 mm to 25 mm
Pressure Rating	High Pressure
Body MOC	SS304 / SS316
Testing Standard	API 598
Typical Applications	Fine flow control

Prime Clients

ISGEC
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UltraTech CEMENT The Engineer's Choice
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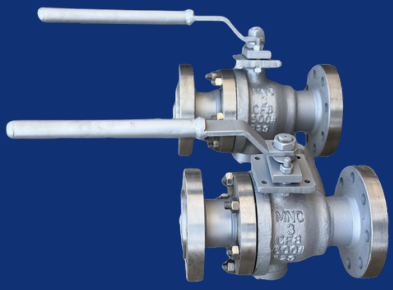

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Marck & Care Engineers Limited (MNC VALVES)

Corporate Office:
1043, 10th Floor, Tower B, Plot No. 40, Block A, The i-Thum, Sector 62, Noida - 201301

+91 8851787886

Manufacturing Unit:
Plot No. G8, H S Landmark II, Narol–Sarkhej Highway, Ahmedabad – 382405, Gujarat, India

+91 7838614110

Sales Contact No.
9899370407 / 9217043639

sales@mncvalves.com

www.mncvalves.com