

# Meca-inox

EUROPE - EN - 2024



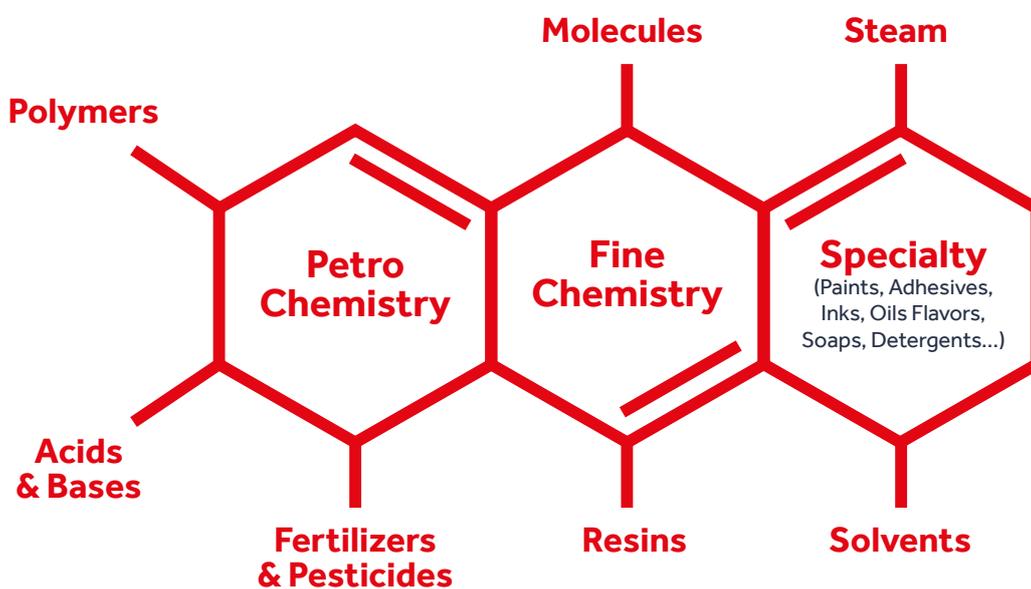
**Solutions  
Chemistry  
& Process**

[meca-inox.com](http://meca-inox.com)

# Chemistry & Process Solutions

Discover our range of more than **10 000** different manual and actuated ball valve configurations, with standard and special designs and material to find your specific solution.

Since more than **60 years**, MECA-INOX is a ball valve strategic partner of major chemistry and process industries. For Petro Chemistry, Fine Chemistry and many Specialties, our valves are qualified and used for their **performance, durability and quality**. Designed, produced and tested in our facilities in France, all our ball valves are complying with European and International strictest standards.



EN12266-1  
"A class" Tightness

Helium & Gases Tightness

ISO15848-1 (2006)  
« Class B Helium fugitive emission »



# Applications

Acids, Bases, Solvents, Alcohol, Gases, Steam, Reactants, Utilities ...



## Production & Storage



Olefins  
& Aromatics



Polymers  
& Elastomers



Fertilizers NPK  
& Pesticides



Paints, Resins  
& Coatings



Adhesives  
& Inks



Powders  
& Explosives



Soaps, Shampoos  
& Detergents



Flavors  
& Fragrances



Oil, Ethanol  
& Bio Diesel



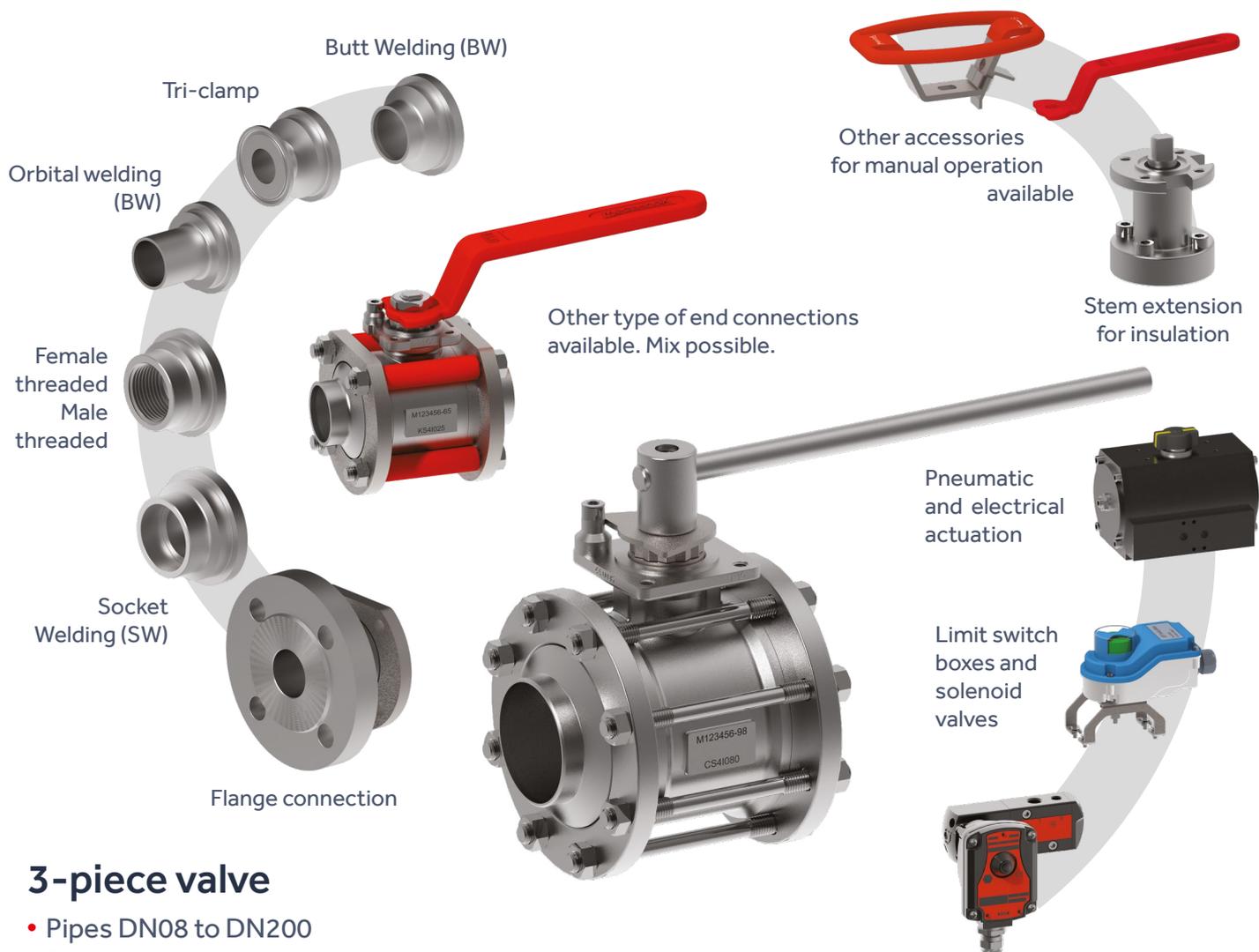
## ADR/RID 2023 transport

✓ EN14432 Certified Valves

## They trust us

Arkema | BASF | Bayer | Clariant | Colgate | Dior | DRT | DSM | Givaudan  
Henkel | L'Oréal | Oril | PPG Coatings | Roquette | Sanofi | Solvay | Tate & Lyle  
Toray | Yara

# 3-piece valves **modularity**



## 3-piece valve

- Pipes DN08 to DN200
- Full bore / reduced bore
- Pressure class PN16 to PN100
- Option: cavity fillers, degreased for O<sub>2</sub> application acc. to EN12300

## Special Designs

### Regulation for steam and thermal fluids

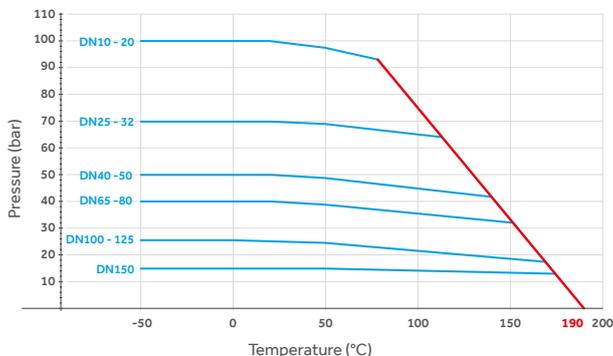


- $\pm 10\%$  Accuracy
- Tight in closed position, do not require an additional on/off valve
- Suitable for level regulation, temperature management, ...
- Wide range of flow rates available



## Line PS4 I

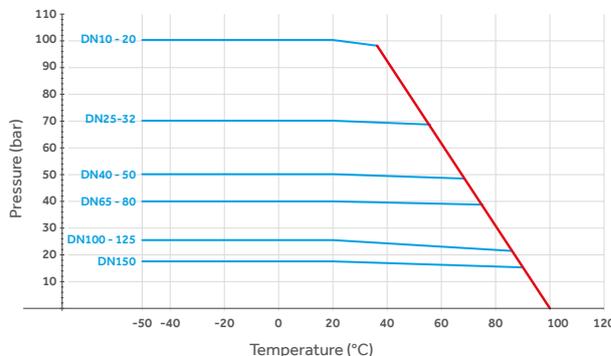
- PTFE 2nd Generation seats
- Acids, Base, Solvents, Alcohols, Gases



 Service temperature @  $\Delta P$  1 bar  
-50°C to 190°C

## Line PH4 I

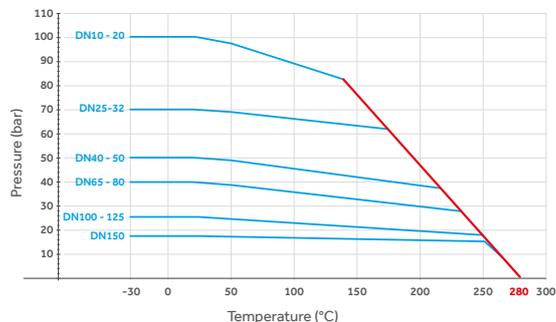
- TIVAR 1000® HDPE seats
- Water & Gaz in Radiation Environment, Medical Oxygen...



 Service temperature @  $\Delta P$  1 bar  
-50°C to 100°C

## Line PZ4 I

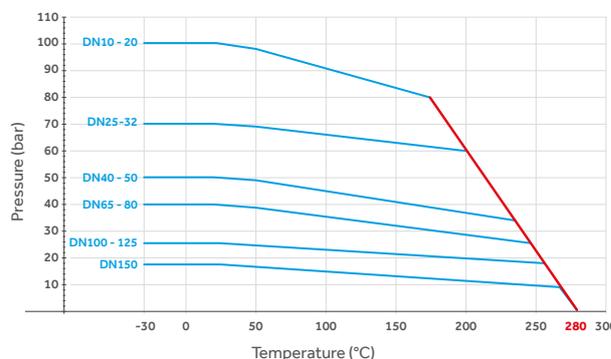
- PTFE 20% PEEK seats
- EN14432 certified
- Steam, Hot Oils, Hot Chemicals, Bitumen...



 Service temperature @  $\Delta P$  1 bar  
-30°C to 280°C

## Line PP4 I

- PEEK seats
- Hot Concentrated Acids, Oil Cracking...



 Service temperature @  $\Delta P$  1 bar  
-30°C to 280°C

## Corrosion



- Wetted parts in contact with the fluid in specific corrosion resistant materials:
  - ➔ 304L
  - ➔ 904L
  - ➔ Alloy C22
- Pipes DN08 to DN200
- Full bore and reduced bore
- Pressure class PN16 to PN100
- Option: cavity fillers

## Other lines



- True bore version
- 3-way versions, L or T bore

## Line R2H I



### 2-piece valve R2H I

- Fire safe acc. to ISO 10497
- Flange connection acc. to EN1092-1
- Face-to-face EN558 Series 4 short pattern and Series 1 long pattern
- Pipes DN15 to DN200
- Pressure rating:
  - ➔ PN40 (DN15 to DN80)
  - ➔ PN16 (DN100 to DN200)
- Pneumatic and electrical actuation
- Option: extended stem for insulation

Service temperature @  $\Delta P$  1 bar **-50°C to 210°C**

## Line R2Z I



### 2-piece valve R2Z I

- Flange connection acc. to EN1092-1
- Face-to-face EN558 Series 4 short pattern
- Pipes DN15 to DN200
- Pressure rating:
  - ➔ PN40 (DN15 to DN80)
  - ➔ PN16 (DN100 to DN200)
- Pneumatic and electrical actuation
- Option: extended stem for insulation

Service temperature @  $\Delta P$  1 bar **0°C to 280°C**

## Line CL4 I



### 3-piece check valve CL4 I

- Pipes DN08 to DN65
- Pressure class PN80
- Any stainless steel end connection available (BW, SW, threaded, flanged, ...)
- Option: degreased for O<sub>2</sub> application acc. to EN1230

Service temperature @  $\Delta P$  1 bar **-196°C to 190°C**

## Line VC4 I



### 3-piece sight glass VC4 I

- Pipes DN08 to DN65
- Pressure class PN6, PN10 & PN16
- Any stainless steel end connection available (BW, SW, threaded, flanged, ...)

Service temperature @  $\Delta P$  1 bar **-50°C to 200°C**

## Design **DBB**



### Double Block & Bleed Design

- Pipes DN08 to DN150
- Double block for isolation and bleed for drain
- Ensure the safety of your operators and installations
- Corrosive and dangerous fluids (PS4 version) & steam and high temperature fluids (PZ4 version)
- BW ends or flanged ends
- Available with lockable lever and/or actuation. Mix possible.

For further information, see the **DBB brochure**

## Design **AFL / FC**



### Flush design / Tank Bottom

- Reduced retention zone
- For tank bottom installation and flushing lines (collection and injection)
- Any stainless steel end connection available (BW, orbital, clamp, ...)

## Design **ET**



### Jacketed Valve Design

- Jacket suitable for steam, water or thermal oils up to 25 bar
- Maintain the temperature of circulating products
- Any stainless steel end connection available (BW, orbital, clamp, ...)
- Pneumatic and electrical actuation

## Line **RBSTNI**



### 1-piece ball valve RBSTNI

- Pipes from DN08 to DN80
- Pressure class PN63
- Threaded connection
- Qualified by Meca-Inox for low pressure utilities



Service temperature @  $\Delta P$  1 bar **-25°C to 175°C**

# Meca-inox



TÜVRheinland®  
**CERT**  
ISO 9001



## Your reference for large-scale international projects

As a leader in France and a key player in Europe in its markets, the company **operates in over 35 countries** through a network of around a hundred distributors.

Thanks to the capacity and flexibility of its industrial site in Gisors (Normandy), capable of producing up to 20,000 valves per month, Meca-Inox adapts to all its customers' demands: from a few valves for industrial equipment to over 10,000 valves for building a new mega-factory, as well as maintenance parts for installed valves.

**3 000 000** valves installed  
in 150 countries

**150 000** valves produced  
per year

**100** official stocking  
distributors

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### INDUSTRIAL PLANT

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ZAC Le Mont de Magny  
27140 GISORS – France

BALL VALVES MADE IN FRANCE

WORLDWIDE AVAILABLE