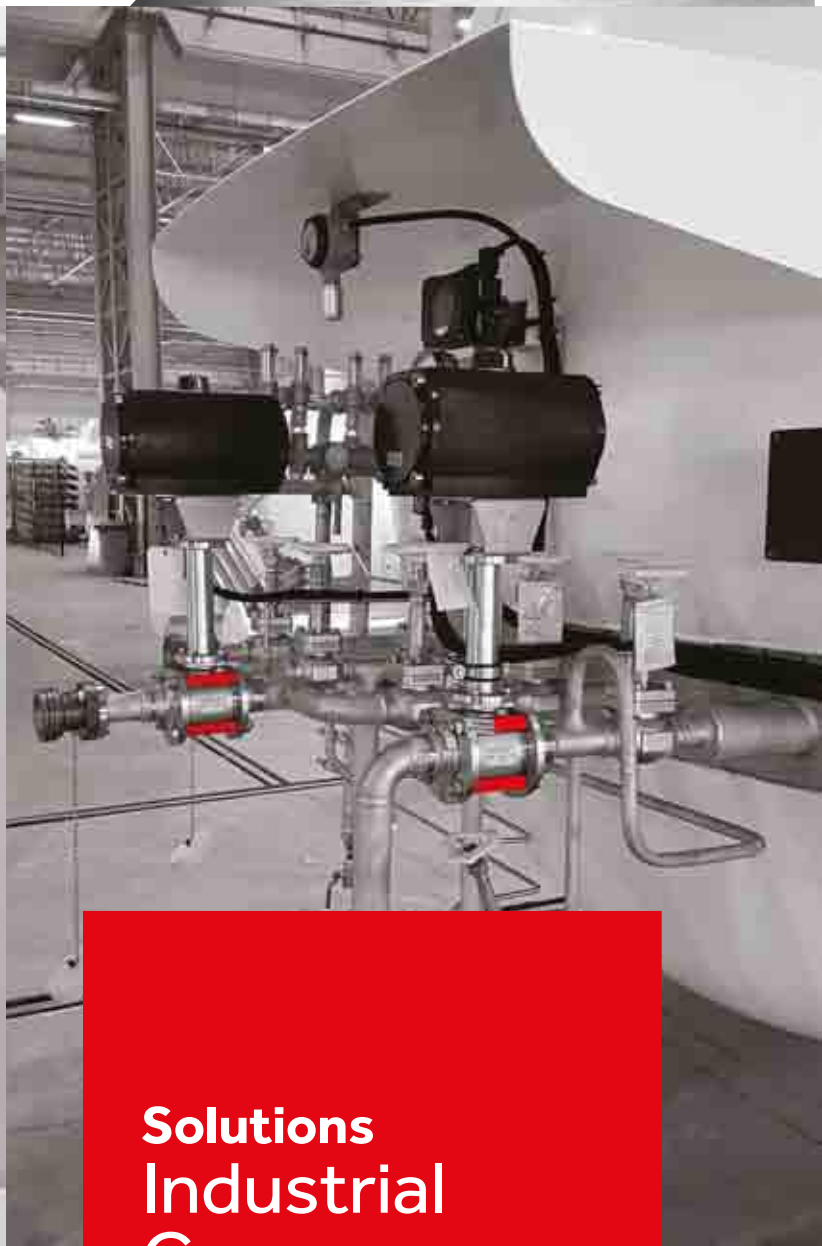
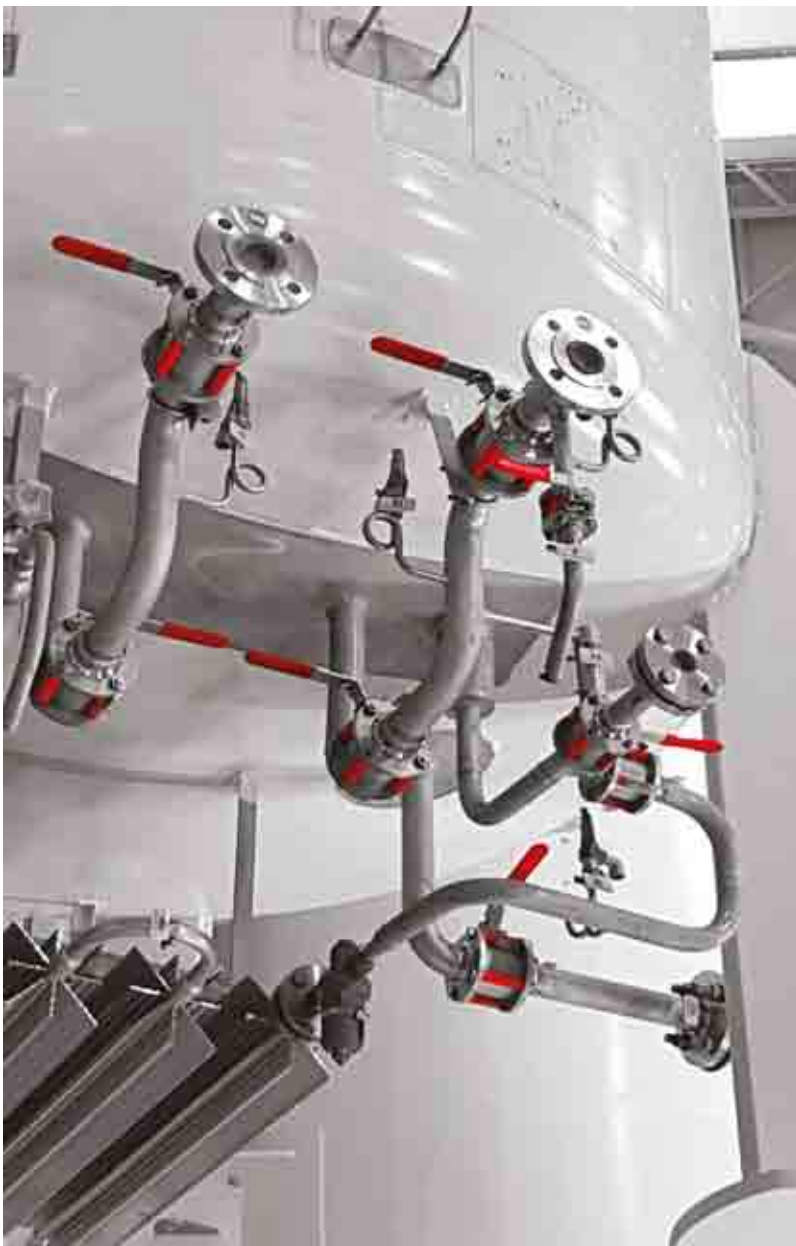




EN - 2025



**Solutions
Industrial
Gas**

meca-inox.com.cn

Industrial Gas **Solutions**

Since more than **50 years**, MECA-INOX is a ball valve strategic partner of major chemistry and process industries for liquid and gas management. **In 2001** Meca-Inox launched its first **cryogenic ball valve** and became a leading supplier of the **liquid air and industrial gas for Electronic, Chemistry, Pharmaceutical, Health and Industry**.

Designed, produced and tested in our plants, our ball valves are in compliance with **International Standards for Performances, Cleaning & Quality**.



Strength & Tightness
EN 12266-1, ISO 5208,
ISO15848-1 (2006)
"Class B Helium fugitive emission"



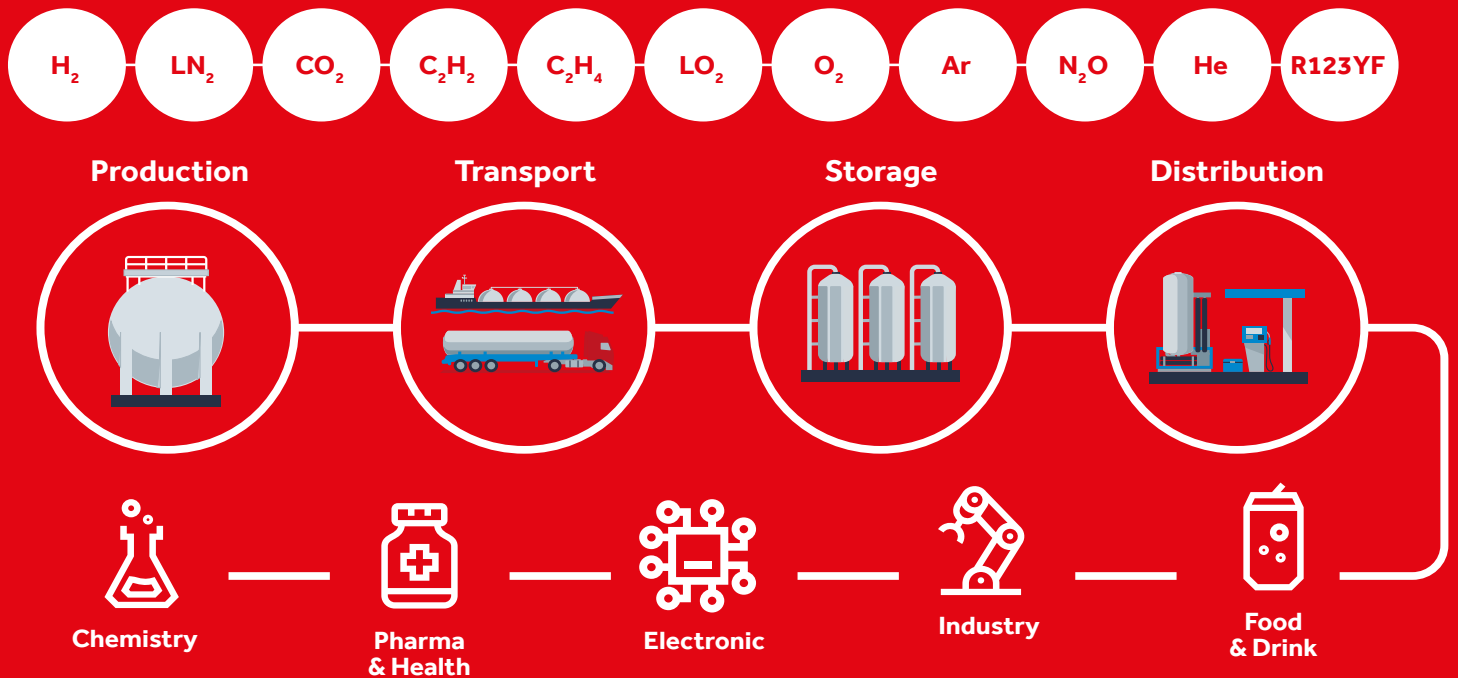
Functionnal Test
EN 12266-1, EN 1626
BS6364 (On Demand)



Cleaning
EN 12300
(<50mg/m² Hydrocarbon)



Applications



► Cryogenic Liquified Gas

Oxygen, Argon, Air, Nitrogen, Hydrogen, Helium

► Non Cryogenic Liquified & Cold Gas

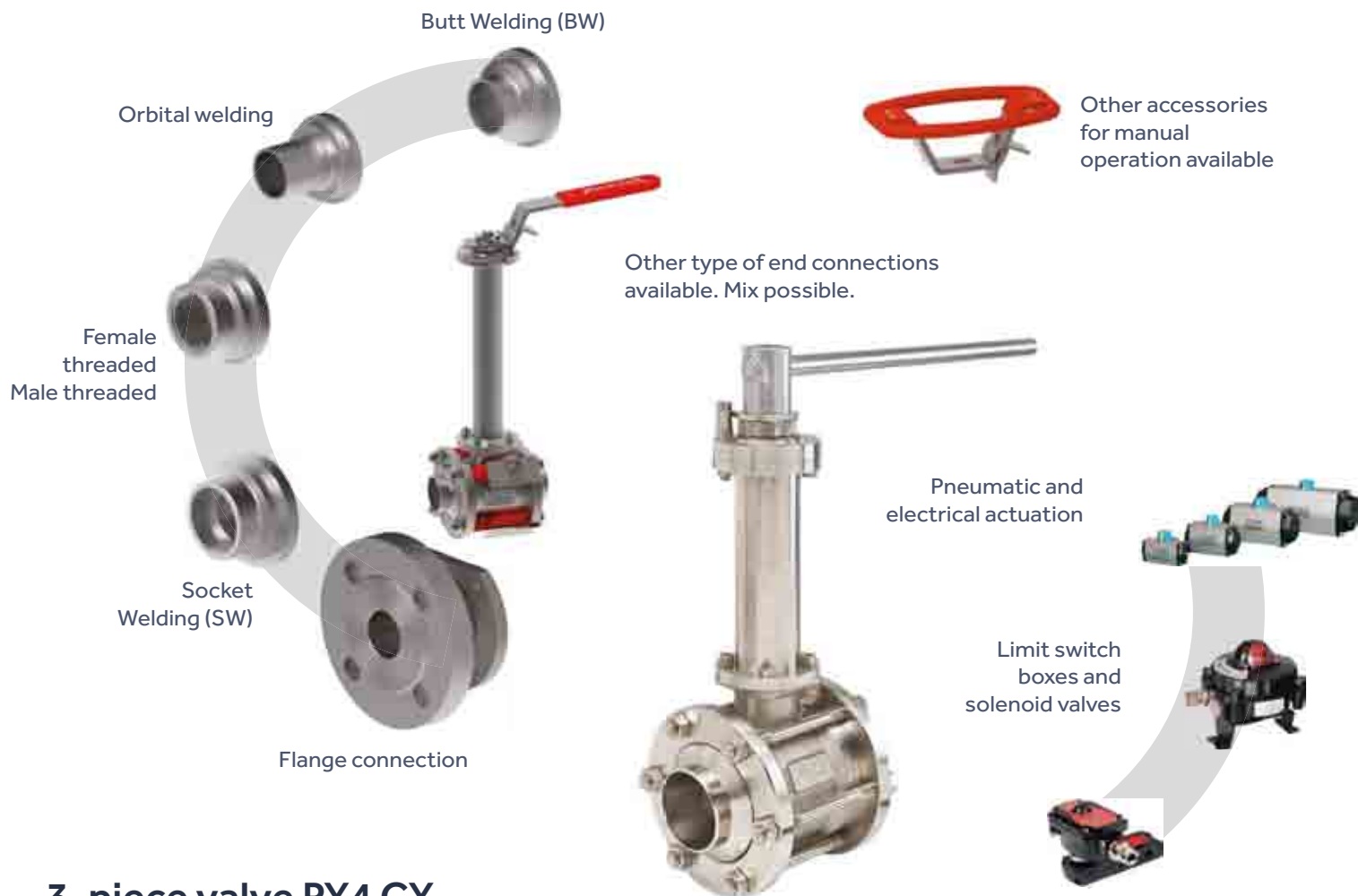
Carbon Dioxide, Acetylene, Ethylene, Dinitrogen monoxide, ...

► Industrial Gas

Corrosive & Non Corrosive

They **trust** us

Air Liquide | Air Products | BOC | Carbagas | CHART Group | Chemet-GLI
Linde | Messer | OMSP Macola | Praxair | VRV | Worthington Aritas
Cryostar | ...



3-piece valve PY4 CY

- Pipes DN08 to DN150
- Full bore and reduced bore
- Pressure class PN25 to PN100
- Certified CE1935 total / multi-contact -196°C to 121°C
- Degreased for O₂ application acc. to EN12300
- Functional EN1626

Special lines

- V-ball 30° or 60°
- 3-way version, L bore or T bore
- Fire safe version acc. to ISO10497



Service temperature @ ΔP 1 bar **-196°C to 190°C**



- ✓ Upstream relief hole in ball for pressure relief in closed position
- ✓ Extended stem and extension body fully machined ; zero welding robust design
- ✓ Double gland packing & spring washers for zero leak gland packing $<10^{-5}$ mbar/l.s⁻¹ (Helium)
- ✓ TF3215 PTFE + carbon seats for high performance tightness $<10^{-3}$ mbar/l.s⁻¹ (Helium)
- ✓ Save 2 to 4 sizes for equivalent globe valve sizes ; direct flow = increased Kv



3-piece valve PS4 PG

- Pipes DN08 to DN200
- Full bore and reduced bore
- Pressure class PN25 to PN100
- Functional EN1626 @ -50°C
- Certified CE1935 total / multi-contact -50°C to 121°C
- Degreased for O₂ application acc. to EN12300

Special lines

- V-ball 30° or 60°
- 3-way version, L bore or T bore



Service temperature @ ΔP 1 bar -50°C to 190°C

- ✓ Upstream relief hole in ball for pressure relief in closed position
- ✓ TF3215 PTFE + carbon seats for high performance tightness <10⁻³ mbar/l.s⁻¹ (Helium)

Line PH4



**Solutions for medical gases
and ionizing environment**



3-piece valve PH4

- Seats and sealings in U.H.M.W.P.E.
- Pipes DN08 to DN200
- Full bore and reduced bore
- Pressure class PN16 to PN100
- Pneumatic and electrical actuator
- Any stainless steel end connection available (BW, SW, threaded, flanged, ...)



Service temperature @ ΔP 1 bar -50°C to 100°C

Line CL4



**Solutions for cryogenic
& non cryogenic applications**



3-piece check valve CL4

- Pipes DN08 to DN65
- Pressure class PN80
- Any stainless steel end connection available (BW, SW, threaded, flanged, ...)
- Degreased for O₂ application acc. to EN12300



Service temperature @ ΔP 1 bar -196°C to 190°C

Line PY4 CY O₂

Solutions for O₂ applications



3-piece valve PY4 CY O₂

- Ball and end connections in bronze for O₂ and LO₂ applications
- Ball material : CW453K (HB > 120)
- Pipes DN08 to DN150
- Full bore and reduced bore
- Pressure class PN25 to PN100
- Pneumatic and electric actuation
- Degreased for O₂ application acc. to EN12300



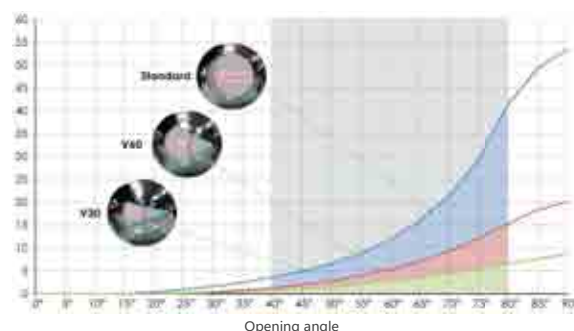
Service temperature @ ΔP 1 bar -196°C to 190°C

Design V Ball



- Tight valve in close position,
- "A Class" EN12266-1
- Regulation average accuracy $\pm 8\%$
- Minimum 5 seconds
- Pressure class: PN50 to PN100

- Low maintenance cost (same seals than standard 3 pieces valves)



Design Diverter

Solutions for safety valves



Design diverter

- Pipes DN08 to DN100
- 3-way, L bore or T bore
- For 2x1 or 2x2 safety valves
- Degreased for O₂ application acc. to EN12300

 **Service temperature @ ΔP 1 bar -50°C to 190°C**

Design Fireblock

Solutions for emergency shut down



Design Fireblock

- Pipes DN20 to DN50
- Full bore or reduced bore
- Pressure class PN50 to PN100
- Service ΔP 40 bar
- Orbital ends or nipple ends
- Emergency shut-off in case of fire (fuse)
- Degreased for O₂ application acc. to EN12300

 **Service temperature @ ΔP 1 bar -196°C to 190°C**



Your reference for large-scale international projects

Since 1967, MECA-INOX has manufactured ball valves and is a European leading signature for high quality ball valves dedicated to Chemistry Pharma & Cosmetic, Cryogenic fluids, Food & Beverage and Industry with more than 3 million valves installed all over the world and 150 000 ball valves yearly production.

Expert in stainless steel and carbon steel ball valves technology, we have developed over the years a complete products offer internationally recognized for its reliability performance, and flexibility of use. Combining high quality materials and our specific knowhow of design and manufacturing, our products meet the most stringent requirements

From our industrial sites of Gisors (France) and Dalian (China), our teams can support you anywhere in the world. Our network of distributors provide an optimal availability of our valves and equipment for your international projects.

3 000 000 valves installed
in 150 countries

150 000 valves produced
per year

100 official stocking
distributors

MECA-INOX CHINA

18# Building, Jingang Industrial Park, Dalian E & T
Development Zone 116600, CHINA

T: (86) 0411-87549209
E-mail: info@meca-inox.com.cn

meca-inox.com.cn



BALL VALVES MADE IN FRANCE

WORLDWIDE AVAILABLE