



EUROPE - EN - 2025-07



**Solutions  
Small & Mid  
Scale Equipment  
for Natural Gas  
& LNG**

**[meca-inox.com](https://meca-inox.com)**



Designer and producer of **high performance ball valves** since more than 50 years. Meca-Inox is a leading supplier of LNG and natural gas for small and grid applications.



**Strength & Tightness**  
EN 12266-1, ISO 5208,  
ISO15848-1



**Functionnal Test**  
EN 12266-2, EN 1626  
BS6364 (On Demand)



**Cleaning**  
EN 12300  
(<50mg/m<sup>2</sup> Hydrocarbon)

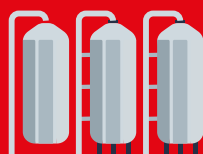


## More than 25 000 cryogenic ball valves for LNG Produced & installed since 2010



### Production

Biogas purification  
Biogas liquefaction



### Storage

LNG storage  
Trucks loading



### Transport

LNG trucks  
and trailers  
ISO / UN portable  
LNG tanks



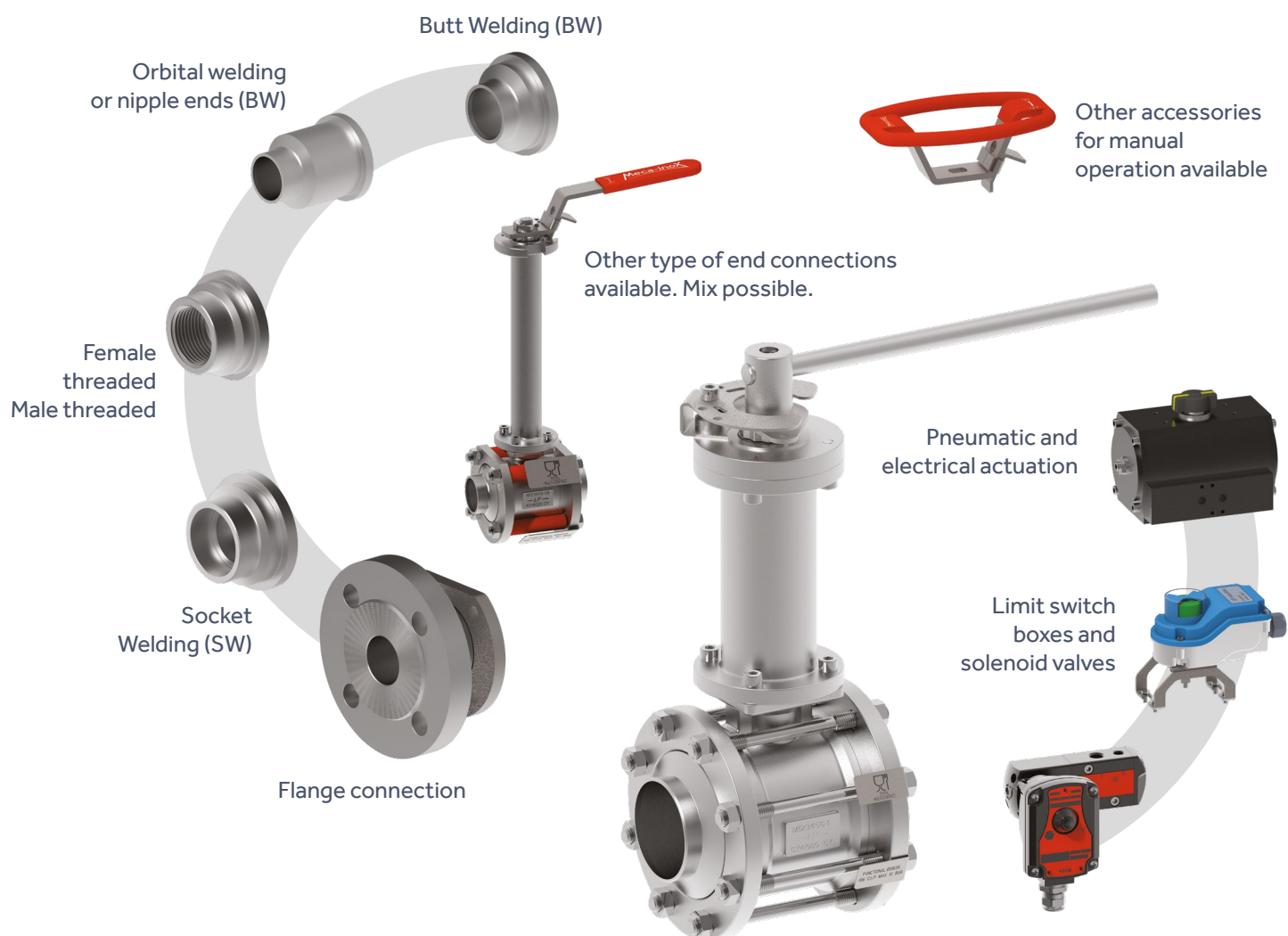
### Distribution

LNG fuel stations  
CNG fuel stations

## They **trust** us

Air Liquide | BOC | Chart Group | CIMC ENRIC | Cryolor | Cryostar | Cryovat  
Engie | Eurotank | Sener | Vanzetti | Worthington Aritas

# 3-piece cryogenic valves **modularity**



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

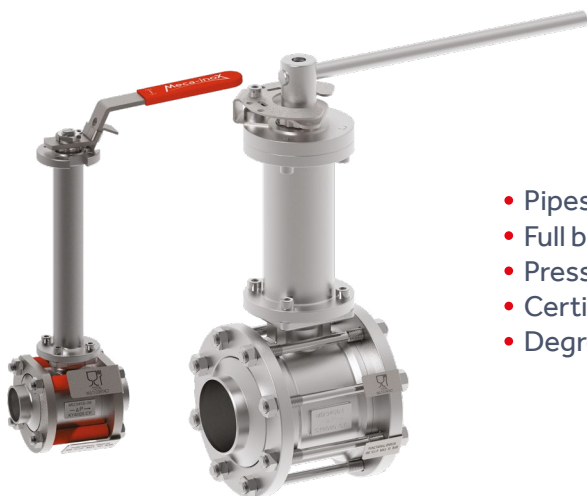


- Upstream relief hole in ball for pressure relief in closed position
- Extended stem and extension body full machined ; zero welding robust design
- Double gland packing & spring washers for zero leak gland packing  $<10^{-5}$  mbar.l.s<sup>-1</sup> (Helium)
- PTFE + carbon seats for high performance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

## Line PY4 | CY



Liquefied Natural Gas LNG  
Non Fire Safe

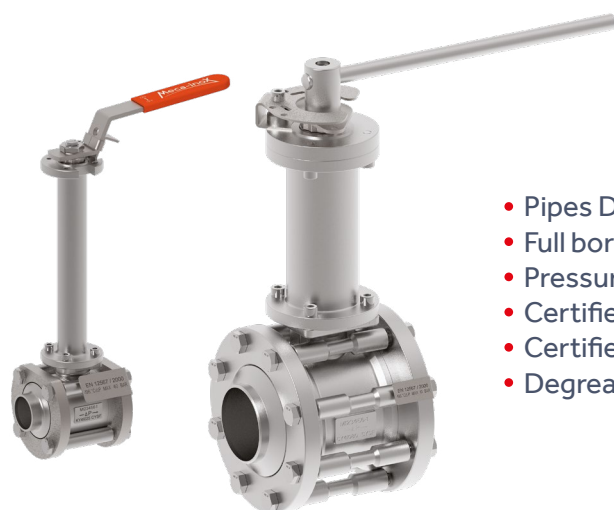


- Pipes DN08 to DN150
- Full bore and reduced bore
- Pressure class PN25 to PN100
- Certified Class BH acc. to ISO15848-1 low fugitive emission
- Degreased for O<sub>2</sub> application acc. to EN12300

## Line PY4 | CYSF



Liquefied Natural Gas LNG  
Fire Safe



- Pipes DN08 to DN150
- Full bore and reduced bore
- Pressure class PN25 to PN100
- Certified Fire Safe ISO10497 / API607 / API6FA
- Certified EN12567 for LNG applications
- Degreased for O<sub>2</sub> application acc. to EN12300

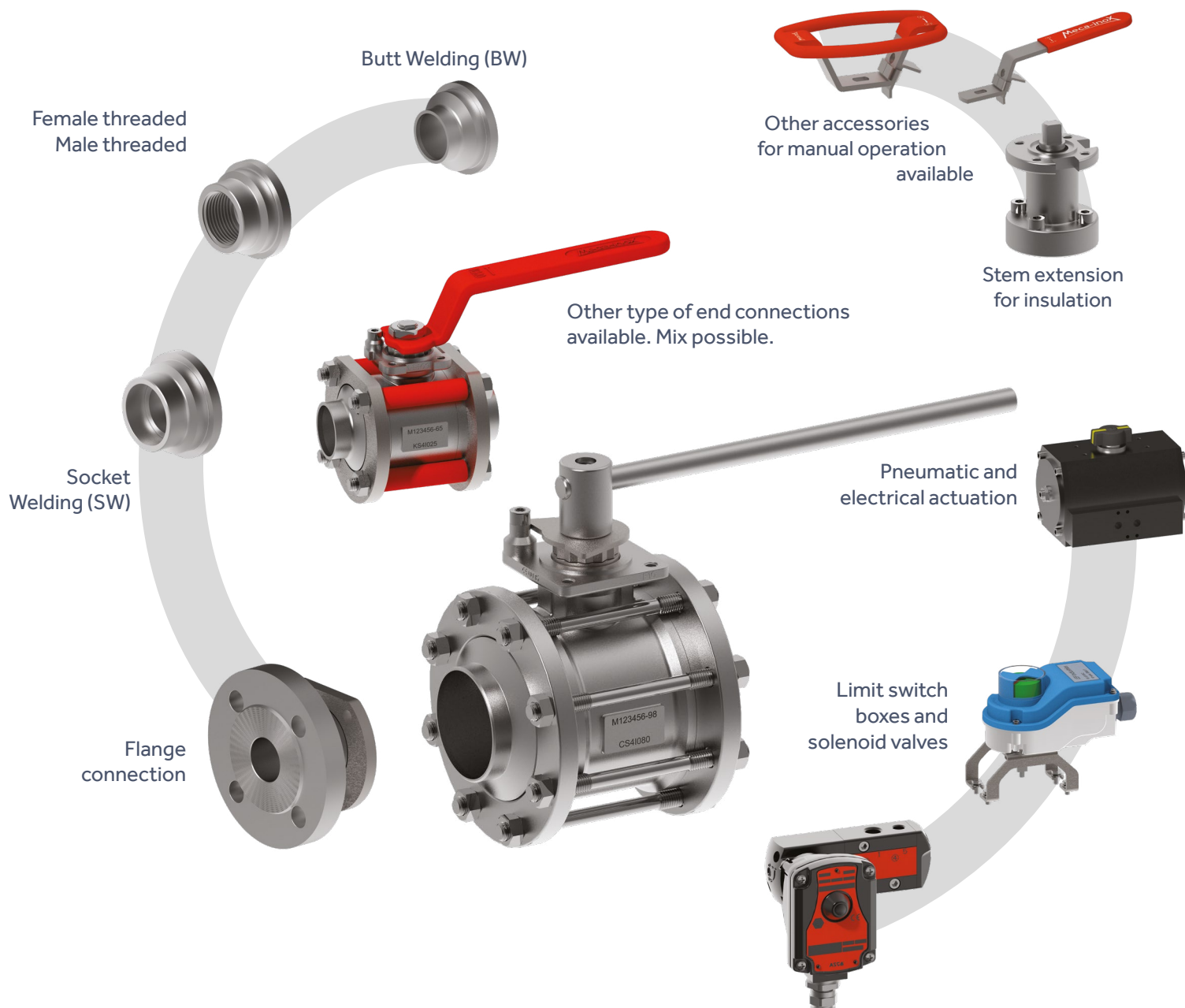
## Design 3-way

LNG vaporizers systems & LNG distribution



- Pipes DN08 to DN150
- Full bore and reduced bore
- Pressure class PN25 to PN100
- Degreased for O<sub>2</sub> application acc. to EN12300
- Version L bore « 3VLH » and T bore « 3VTH »

➔ Exist both in PY4 | CY and PY4 | CYSF versions



### 3-pieces valve

- Pipes DN08 to DN200
- Full bore and reduced bore
- Pressure class PN25 to PN100
- Certified Class BH acc. to ISO15848-1 low fugitive emission
- Degreased for O<sub>2</sub> application acc. to EN12300

### Special lines

- V-ball 30° or 60°
- 3 ways version, L bore or T bore
- Certified Class AH acc. to ISO15848-1 low fugitive emission with RHT extension

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



## 2-piece valve R2H I

- Fire safe acc. to ISO 10497
- Flange connection acc. to EN1092-1
- Face-to-face EN558 Series 27 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**

## Design Fireblock

Solutions for emergency shut down



- Pipes DN20 to DN50
- Full bore or reduced bore
- Pressure class PN50 to PN100
- Service  $\Delta P$  40 bar
- Orbital ends or nipple ends
- Emergency shut-off in case of fire (fuse)
- Degreased for O<sub>2</sub> application acc. to EN12300



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

## Design Diverter

Solutions for safety valves



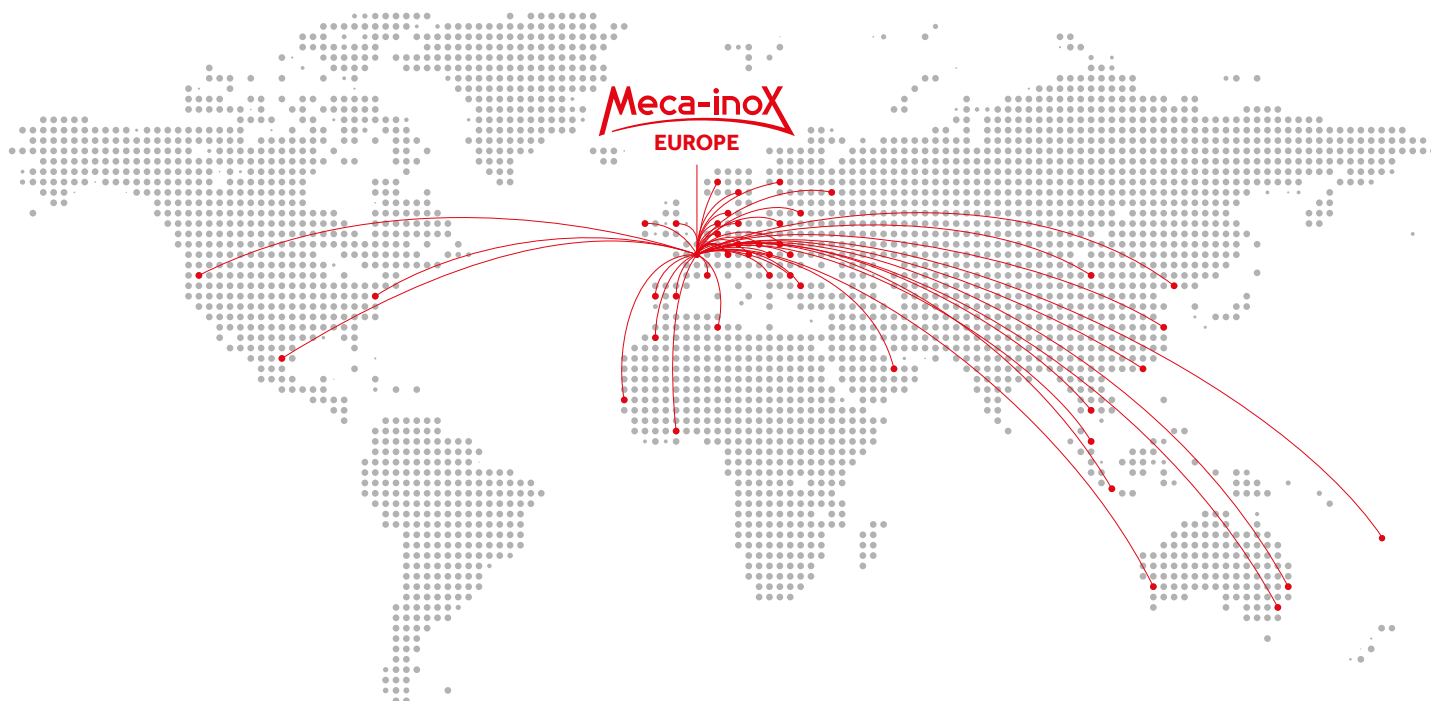
- Pipes DN08 to DN100
- 3-way, L bore or T bore
- For 2x1 or 2x2 safety valves
- Degreased for O<sub>2</sub> application acc. to EN12300



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



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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BALL VALVES MADE IN FRANCE

WORLDWIDE AVAILABLE