



EUROPE - EN - 2024



**Designer &
manufacturer
of ball valves**

meca-inox.com

French manufacturer of ball valves since 1955



Meca-Inox was founded in 1955

and produces mechanical parts made of stainless steel

In 1966, its creator, Guy Beurel, invented and patented the ball valve equipped for the first time with rotating flanges. A year later, Meca-Inox began manufacturing its first ball valve.

Today, Meca-Inox Europe has its headquarters in **Cergy**, in the Paris region, and manufactures its products in its **factory located in Gisors**, in Normandy.



Head office



Industrial site



Designer and manufacturer of **technical** ball valves

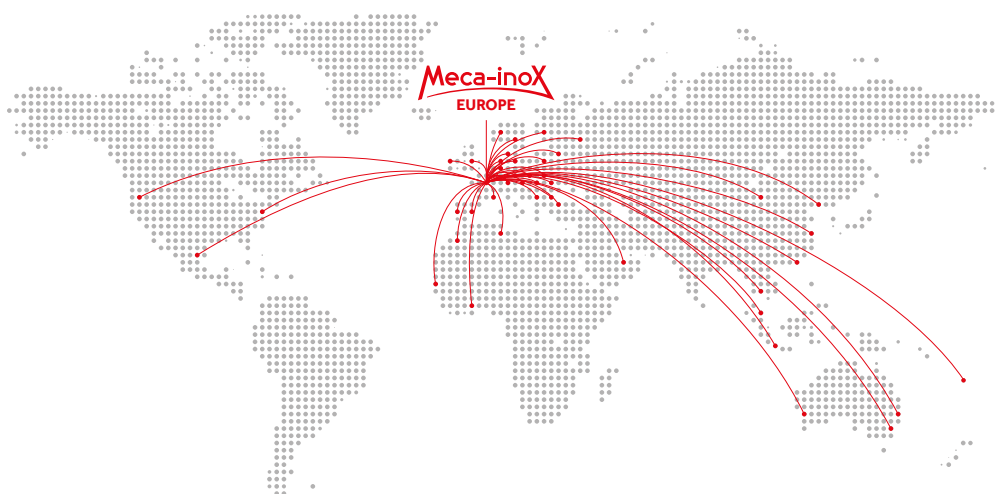
Thanks to its design expertise, manufacturing know-how, and regulatory mastery, Meca-Inox offers valves that meet the most high-performance demands in the following industries: chemistry, food industry, pharmacy & biotech, but also industrial gases, LNG, nuclear... and now hydrogen.

Meca-Inox valves are recognized for their reliability, durability and performance.

A reference for **large-scale international projects**

As a leader in France and a reference in Europe in these markets, the company **operates in more than 35 countries** through a network of about a hundred distributors.

Due to the capacity and adaptability of its Gisors industrial site, which can produce up to 20,000 valves per month, Meca-Inox can meet all customer requests: from a few valves for industrial equipment, to more than 10,000 valves for the construction of a new gigafactory, as well as maintenance parts for installed valves, etc.



3,000,000
valves installed
in 150 countries

.....
150,000
valves produced per year

.....
100
official dealers with stocks

Meca-Inox **Group**

Meca-Inox Europe is a subsidiary of the "Meca-Inox since 1955" group, a group owned by its CEO Hugues Beurel, with subsidiaries in Morocco since 1983 and an industrial site in China since 2007.



Knowledge and transmission

Training and capitalization of know-how are one of the essential pillars of the group's longevity and excellence.



CSR Commitment

The social and environmental impact is taken into account in all our decisions...



Cultural and sports patronage

Meca-Inox supports local actions and is committed over the long term to partners sharing our values.

"Today, in addition to becoming a recognized **employer brand** with a **reference product**, Meca-Inox aims to be an **international benchmark in providing innovative solutions and services**, meeting the local expectations of its users in all regions of the world."

With over 65 years of **industrial expertise**

Manufacturing in France and ensuring **proximity and availability** for its customers is at the heart of Meca-Inox's strategy.

A unique, **efficient, and flexible** industrial tool

Located 80 km northwest of Paris, the 5,200 m² Meca-Inox Gisors (27) factory, inaugurated in 2015, allows serving all its customers in Europe and beyond.

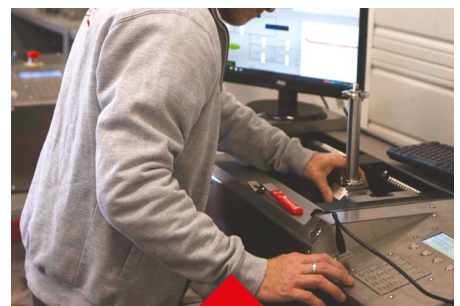
A machining hall of 1,000 m², an assembly and testing workshop of 1,500 m², and more than 2,000 m² of storage.



**Constant investment
in new machines**



**Production capacity :
250,000 valves/year**



**P10 / P11 / P12 Tests
according to the PED**

In order to maintain the high level of industrial and environmental standards expected by our customers, we continuously invest in our production facilities :

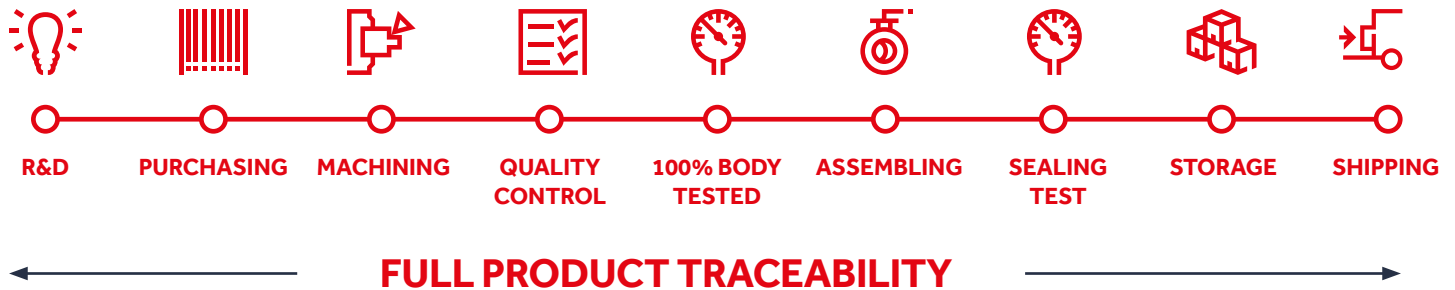
- + Degreasing and water cleaning machine
- + Automatic test benches
- + Multi-axis numerical control machines
- + Production management software (ERP)
- + Q/R code traceability
- + Laser marking
- + Cryogenic test benches
- + etc.



**For a remote visit
of our factory, contact us**

Total control from valve design to shipping

Meca-Inox has been ISO9001 certified for nearly 30 years by TÜV Rheinland. Quality control applied at all stages of the process guarantees the reliability, durability, and traceability of the brand's valves.



RESEARCH & DEVELOPMENT
3% of turnover invested in R&D.



PURCHASING
Reliable and long term partners.



MACHINING
High performance machines.



ASSEMBLING
Handmade precision.



QUALITY CONTROL
100% of body valves are P10 tested + sealing P11 P12 tests.



STORAGE
More than 50,000 valve components in permanent stock.



SHIPPING
To 150 countries.



RECYCLING
40 tons of stainless steel shavings are recycled per year.



More than 110
women and men
experts of their trade



Valves for **demanding markets**



Chemistry

Plastic synthesis, fertiliser production,
painting chemistry, strong acids...
(HNO_3 , H_2 , SO_4 ...)



Food industry

Sugar, oil, brewery, sodas, chocolate,
flavours.



Technical industrial gases

Production, transport, storage and
distribution of cryogenic fluids
(CO_2 , N_2 , H_2)



Dedicated to demanding processes through their operational certifications, fluids, and regulatory obligations, our valves are used and recommended in many industries.

Always vigilant, Meca-Inox teams are recognized for their mastery of standards and regulations.





LNG & Cryogenic gases

Stationary tanks, tank trailers,
ISO containers, fuel stations.



Industrial Applications

Painting lines, industrial refrigeration,
water desalination.



Pharma & BioTech

API, clean steam, freeze dryer, CIP



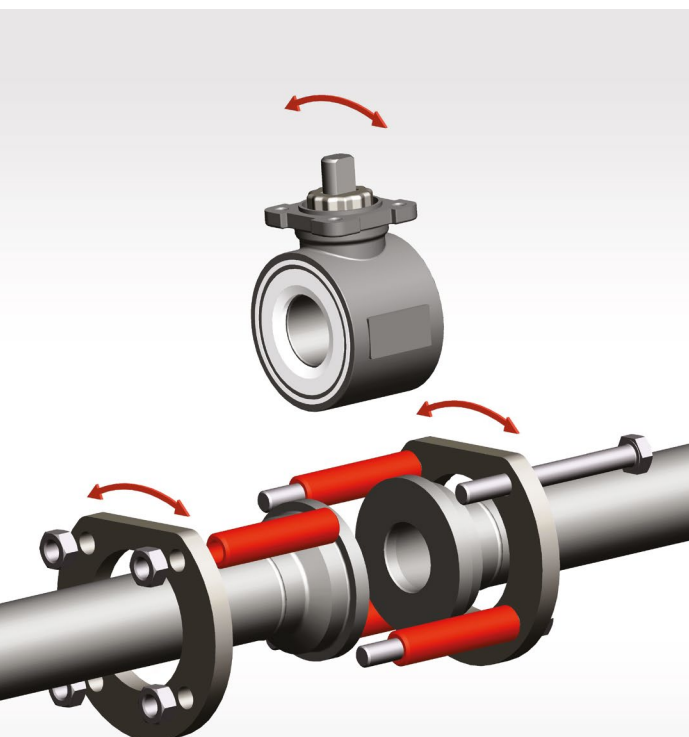
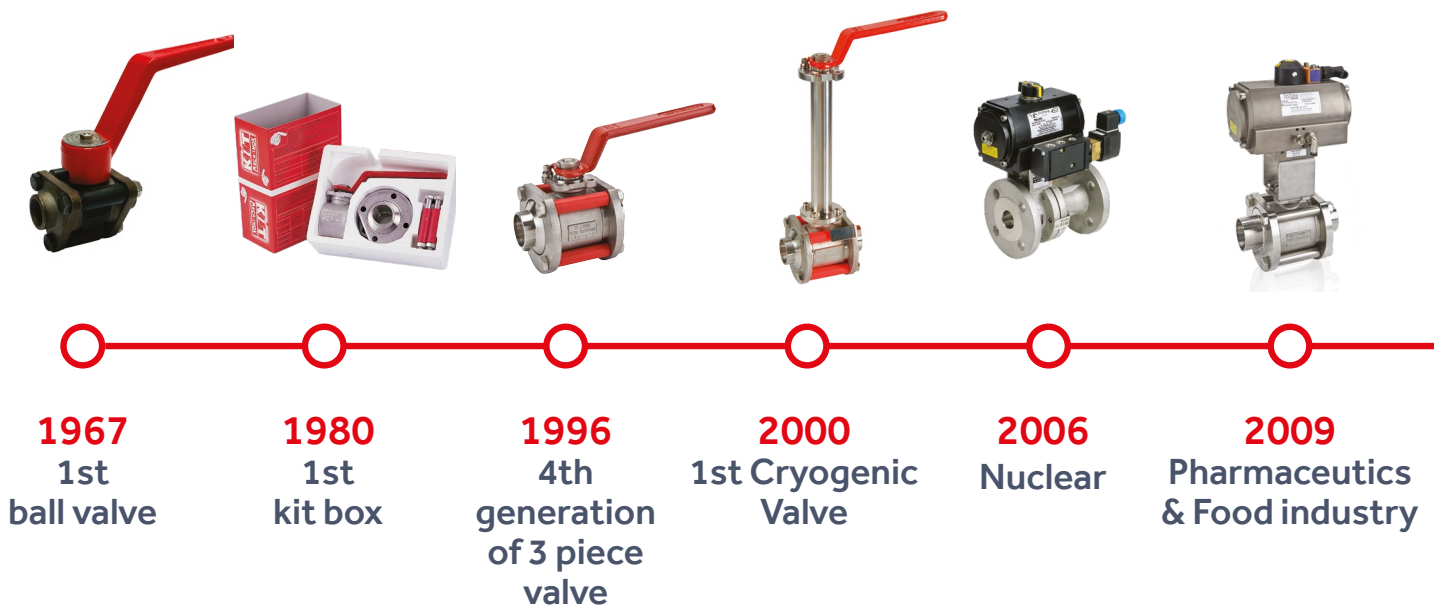
They **trust** us

Meca-Inox has developed partnership relations with its long-standing customers on each of these markets.

Understanding, analyzing the needs of our customers - whether they are industrial companies, engineering or design offices, equipment manufacturers, installers, etc. - and our proximity are at the heart of the Meca-Inox service.

**Air liquide | Akzo-Nobel | Arkema | BASF | Bayer | Boehringer | Boc
Cargill | Chart Ferox | Cristal Union | Cryostar | Danone | DRT | Firmenich
Gea | Givaudan | GSK | Henkel | Linde | L'Oréal | Mane | Mars | Merck
Messer | Nestlé | Novartis | Oril | PPG | Procter & Gamble | Roquette
Sanofi | Solvay | Tetra Pak | TEVA | Toray | Yara ...**

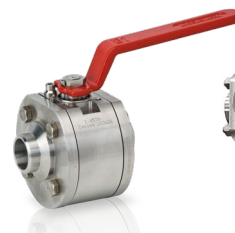
High-performance Ball Valve



The Meca-Inox 3 piece ball valve

- **360° LOOSE BODY FLANGE**
30 % TIME SAVED
ON INSTALLATION
- **100% REPAIRABLE AND**
READY FOR THE CIRCULAR
ECONOMY

Meca-Inox product ranges are constanly **developed** to meet the most demanding customers and markets requirements.



2011
LNG
Marine

2013
Fire-Block

2017
Food
contact
certification

2018
Recyclable
cardboard
Kit Box

2020
PN100
valve

2021
Double
Block and
Bleed



PERFORMANCE

En 12266 -1 class A tightness after 2,500 actuations.



MODULARITY

Thousands of possible combinations based on customer connections and actuation options:
Manual / Electric / Pneumatic.



RECOGNIZED RELIABILITY

Mechanical parts designed for 1 million cycles (from 0 bar to max PN)
Materials and components are fully traceable.



DURABILITY

Mechanical envelope designed for a 30-year lifespan. Spare parts for maintenance available for 20 years.

7 YEAR
WARRANTY

Standard valves ranges

7 YEAR WARRANTY



3 Piece valves

Stainless steel & Carbon steel

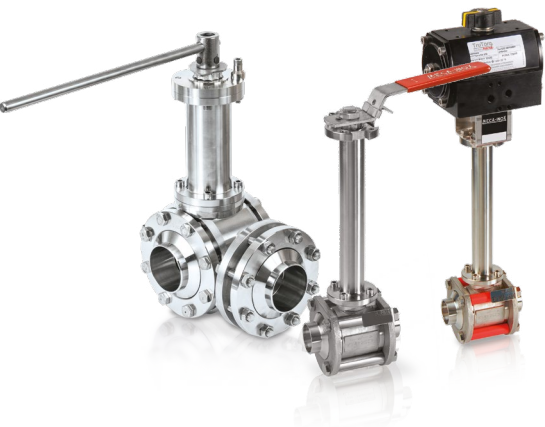
DN08 → DN200 | PN16 → PN100



-50°C → +280°C

Ranges	Seats	Temperature range @ dp 1bar	Fluids
PS4	PTFE 2nd generation	-50°C to +190°C	acids, bases, solvents, alcohol, gas...
PZ4	PTFE 20% PEEK	-30°C to +280°C	steam, oil, warm chemical products, bitumen...
PP4	PEEK	-30°C to +280°C	concentrated acids, oil cracking...
PN4	TFM1600® PTFE	-50°C to +190°C	all foodstuffs components, white steam, pure water...
PH4	TIVAR 1000® PEHD	-50°C to +100°C	water and gas under radiant, atmosphere, medical oxygen...
PS4 PG (Drilled ball)	PTFE 2nd generation	-50°C to +190°C	liquid CO ₂ ...
PY4 (Drilled ball)	TF3215® PTFE + CARBON	-50°C to +200°C (-196°C GAS)	liquid CO ₂ , cold gas < -50°C...
MT4	PTFE 2nd generation	-50°C to +190°C	pressure up to PN100

7 YEAR WARRANTY



Cryogenic valves

Stainless steel

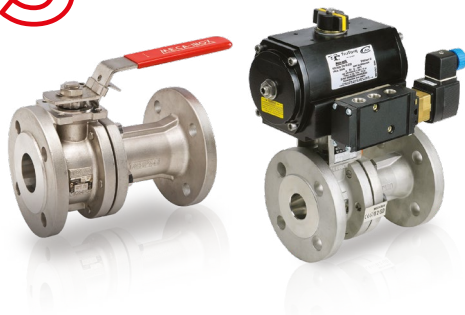
DN08 → DN125 | PN15 → PN100



-196°C → +200°C

Ranges	Seats	Characteristics	Fluids
PY4 I CY (Drilled ball)	TF3215® PTFE + CARBON	Functional EN 1626	liquid nitrogen, oxygen, argon, helium...
PY4 I CY SF (Drilled ball)	TF3215® PTFE + CARBON	EN 12567 & ISO 10497 Certified	LNG

7 YEAR WARRANTY



2 Piece valves

Stainless steel

DN15 → DN200 | PN16 → PN40



-50°C → +280°C

Ranges	Seats	Temperature range @ dp 1bar	Fluids
R2Z	PTFE 20% PEEK	0°C à +280°C	steam, oil, warm chemical products, bitumen...
R2H Fire safe	PTFE 2nd generation	-50°C à +210°C	flammable gases & liquids

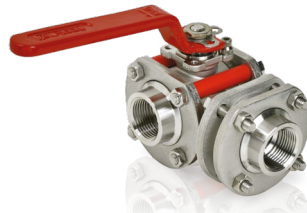
Short or long DIN pattern

Valves for **specific applications**



Corrosion Solution

304L, 316L, 904L, Alloy C22, Duplex, Super Duplex



Multi- ways

In L, T or X to mix or switch fluids



Regulation

V-ball 30° and 60° for temperature control, flow adjustment



Double Block and Bleed

Double isolation for safety during maintenance



Steam jacket

To maintain fluid temperature (eg. chocolate)



Tank bottom

Low retention zone body CIP



Flush mounting

For food and pharma lines, sugar, painting...



Fire-Block

To guarantee automatic shut-off in emergency



Change-over valve

For industrial gas, LNG

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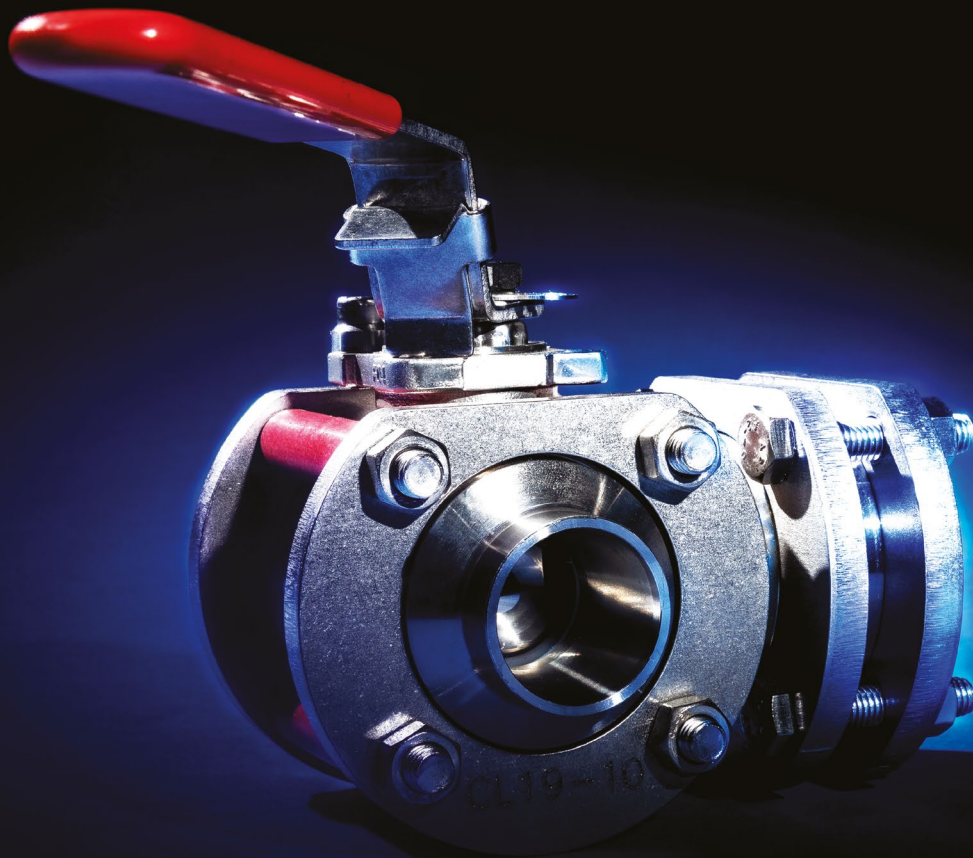
INDUSTRIAL PLANT

12, rue de la Haute Borne
ZAC Le Mont de Magny
27140 GISORS – France

Meca-inox



TÜVRheinland®
CERT
ISO 9001



BALL VALVES MADE IN FRANCE

WORLDWIDE AVAILABLE