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A BRAND OF GROUP  
**Meca-inox**  
SINCE 1955

**Meca-inox**

EN-2024



BALL VALVES MADE IN FRANCE

WORLDWIDE AVAILABLE



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

# Ball valves French manufacturer since 1955



Meca-Inox company was **created in 1955** producing mechanical parts in stainless steel.

In 1966, its creator invented and patented the first ball valve with loose body flanges. One year later, Meca-Inox launched its first ball valve with loose flange.

Today Meca-Inox Europe has its head office in **Cergy (closed to Paris)** and its **factory in Gisors, Normandy**.



## Meca-inox Group

Meca-Inox Europe is a part of the "Meca-Inox group since 1955".

A group owned by its CEO Hugues Beurel with subsidiaries in Morocco since 1983 and in China with an industrial site since 2007.

5,500+ square meters of China factory, three main functions: Research&development, production and quality system.

"Today Meca-Inox group ambition is **to become an international reference in providing innovative ball valve solutions and services** by meeting local requirements in all regions of the world."



**Hugues Beurel**  
CEO Meca-inox

*« With more than 60 years' experience to draw on, each day brings new ambitions to help our customers succeed. Supported by its Executive Committee, Meca-Inox invests and innovates to build on its position as European Leader for high-technology ball valves, through its PREMIUM Client 2020 programme. »*

# A reference for international projects

Leader in France and reference in Europe on its markets, the company is **present in more than 35 countries** through a network of more than a hundred distributors.

Thanks to the capacity and adaptability of its industrial factory in Gisors (France), which can produce up to 20,000 valves per month, Meca-Inox adapts to all the requests of these customers : from a few valves for industrial equipment, to more than 10,000 valves for the construction of a new gigafactory, and also 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



**High performance valve designer and manufacturer**

Thanks to its design and regulatory expertise, its manufacturing know-how, Meca-Inox proposes valves that meet the requirements of the most demanding markets : chemistry, food industry, pharma & biotech, also industrial gases, LNG, nuclear ... and now hydrogen.

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



**Knowledge and transmission**

Training and capitalization of knowledge are essential pillars of the sustainability and excellence of the group.



**Corporate social responsibility**

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



**Cultural and sports sponsorship**

supporting local actions and long-term commitment with partners who share our values.

**Since 1955...**



**70 YEARS**

# An industrial and manufacturing know-how

The company strategy is based on a strong culture of know-how with the willingness to guarantee safety of people, facilities and environment.

**Manufacturing in France** and providing **proximity, availability** for its customers is a **choice** of Meca-inox.

## A unique, efficient and flexible industrial tool

In 2015, **Meca-Inox doubled its industrial capacity in Europe** by building its new factory of 5,200 m<sup>2</sup> in Gisors, France.

With a machining hall of 1,000 m<sup>2</sup>, an assembly and test workshop of 1,500 m<sup>2</sup> and more than 2,000 m<sup>2</sup> of storage, Meca-Inox has an optimal industrial tool closed to its markets.



**Constant investment in machines**



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



**Test P10 P11 P12 according to DESP**

In order to maintain the high level of industrial and environmental requirements expected by our customers, we are constantly investing in our production tool :

- + 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.



## Our Brand

**Meca-inox**

**MIDVALVE**  
MECA-INOX SOLUTIONS

# Total control from valve design to shipping

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



### FULL PRODUCT TRACEABILITY



**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 tested  
P10 + sealing P11 P12 tests.



**STORAGE**  
More than 50,000 valves components in permanent stock.



**SHIPPING**  
To 150 countries.



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



**More than women and men experts of their trade**



# Valves for **demanding markets**

**Dedicated to demanding process**, our valves meet customer requirements : pressure, temperature, hazardous fluids, corrosion.



## Chemistry

Plastic synthesis, fertiliser production, painting chemistry, strong acids (HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub>...).



## Food Industry

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



## Industrial gas

Production, transport, storage and distribution of cryogenic fluids (CO<sub>2</sub>, N<sub>2</sub>, H<sub>2</sub>).



## Pharma & BioTech

API, clean steam, freeze dryer, CIP.



Meca-Inox teams are also renowned for their constant regulatory watch and expertise.



## LNG & Hydrogen

Stationary tanks, tank trailers, Iso containers, fuel station.



## Industrial Applications

Painting lines, industrial refrigeration, water desalination.



## Energy

Cooling circuits, heating generation, heating circuits.



## They **trust us**

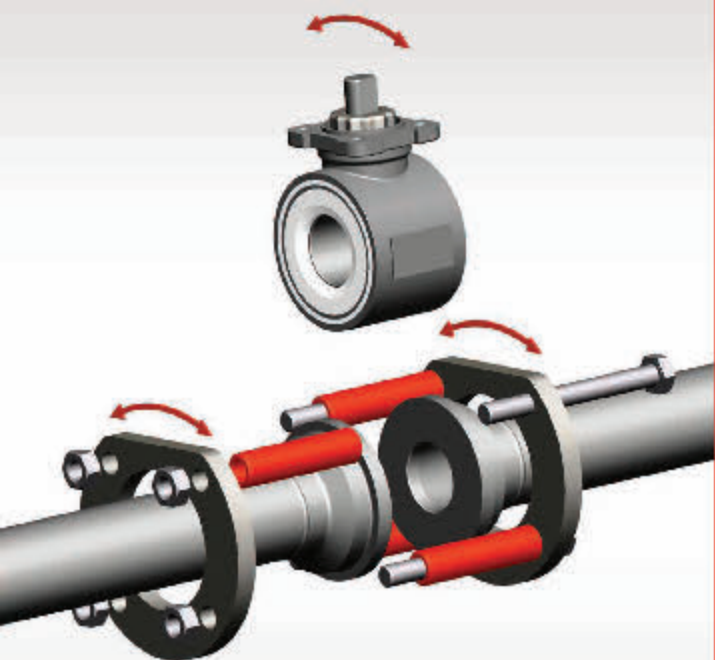
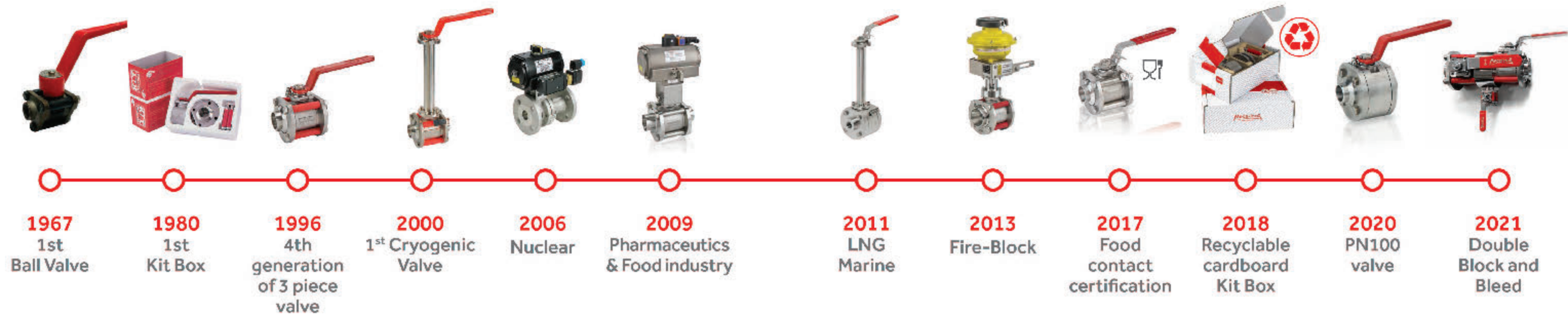
Meca-Inox has developed partnership relations with its long-standing customers on each of these markets.

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

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



## The meca-inox 3 piece ball valve

**360° LOOSE BODY FLANGE**  
30 % TIME SAVED  
ON INSTALLATION



### MODULARITY

4,000 possible combinations with customer connections and actuation options :  
Manual / Electric / Pneumatic.



### PERFORMANCE

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



### RELIABILITY

Mechanical parts designed for 1 million cycles (from 0 bar to PN max)  
Fully traceable material and components.



### DURABILITY

Maintenance spare parts available during 20 years.

# Standard valves ranges



## 3 Piece valves

DN08 → DN200 | PN16 → PN100

-50°C → +280°C

Ranges	Seats	Temperature range @ dp 1bar	Fluids
PS4	PTFE 2 <sup>nd</sup> 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	TFM/2000/PTFE	-50°C TO +150°C	all foodstuffs components, white steam, pure water ...
PH4	TM4 1000/PEHD	-80°C TO +100°C	tobacco, atmosphere, medical oxygen...
PS4 PG (Drilled ball)	PTFE 2 <sup>nd</sup> generation	-50°C TO +190°C	liquid co. ...
PY4 (Drilled ball)	TF32150 P.FE - CARBON	-50°C TO +200°C (-196°C GAS)	liquid co. , cold gas <-50°C ...

## Cryogenic valves

DN08 → DN125 | PN15 → PN100

-196°C → +200°C



Ranges	Seats	Characteristics	Fluids
PY41CY (Drilled ball)	TF32150 P.FE - CARBON	Functional EN 1626	helium...
PY41CY SF (Drilled ball)	TF32150 P.FE - CARBON	EN 12567 & ISO 10497 certified	LNG

## 2 Piece valves

DN15 → DN200 | PN16 → PN40

-50°C → +280°C



Ranges	Seats	Temperature range @ dp 1bar	Fluids
R2Z	PTFE 20% PEEK	-30°C TO +280°C	steam, oil, warm chemical products, bitumen...
R2M fire safe	PTFE 2 <sup>nd</sup> generation	-50°C TO +210°C	flammable gases & liquids

Short or long DIN pattern

# Valves for specific applications



## MT4

PN100 up to DN50



## Multi-ways

In L, T or X to mix or switch fluids



## Regulation

V-ball, 30° et 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 gaz, LNG



## Corrosion

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