



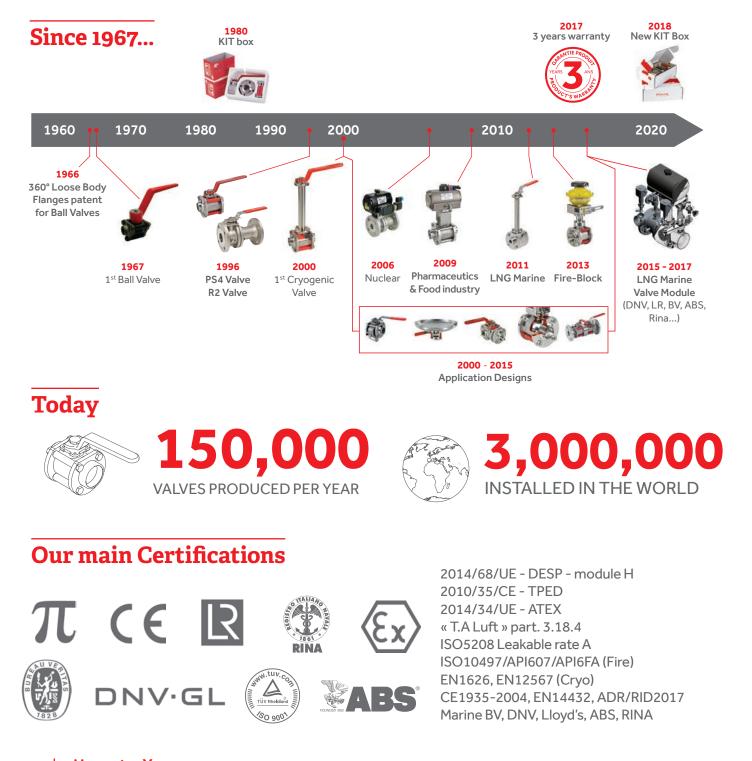
meca-inox.com



HIGH QUALITY BALL VALVES

Expert in stainless steel and carbon steel ball valves technology since almost 50 years, we have developed over the years a complete products offer internationally recognized for its reliability, performance, and flexibility of use.

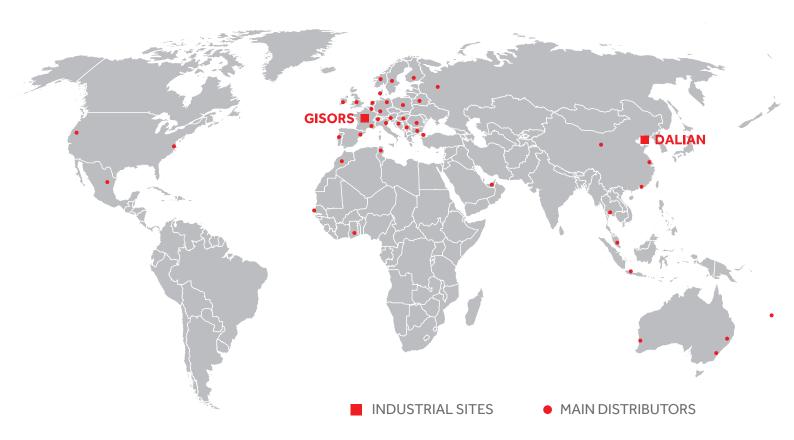
Combining high quality materials and our specific knowhow of design and manufacturing, our products meet the most stringent requirements.



OUR WORLDWIDE FOOTPRINT



From our industrial sites of Gisors in France and Dalian in 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.



BALL VALVES BORN IN FRANCE

WORLDWIDE AVAILABLE

+100 OFFICIAL DEALERS 35 PRESENCE IN WITH STOCKS







OUR MAIN MARKETS

Dedicated to demanding process and for the resolution of technical problems, our valves are used and recommended in many industries.



CHEMISTRY

Plastic Synthesis, Fertiliser Production, Paint Chemistry, Perfumes... since more than 50 years.

VALVES FOR STRONG ACIDS GAS TIGHTNESS 10⁻⁵ MBAR/L.S⁻¹ ADR/RID 2017 - EN14432 VALVES HIGH-RELIABILITY ISOLATION VALVES



FOOD INDUSTRY Sodas, Brewery, Sugar, Oil, Chocolate, Flavours... since more than 35 years.

FDA & CE1935 MATERIALS FULL COMPONENTS TRACEABILITY GAS, STEAM, LIQUID & POWDER STEAM JACKET VALVES



INDUSTRIAL GAS

Since 15 years serving leaders of industrial gases (N_2, O_2, CO_2, He...)

EN12300 100% DEGREASED VALVES CRYOGENIC EN1626 ADR/RID 2017 - TPED - EN14432 VALVES FDA & CE1935 MATERIALS



PHARMA & BIO TECH

Reactors, clean fluids, sampling and injection units.

USP CLASS VI & FDA SEATS 1.4435 LOW FERRITE BALL & ENDS FULL TRACEABILITY OF COMPONENTS ALLOY 22 VALVES

THEY TRUST US



AIR LIQUIDE, AKZO-NOBEL, ARKEMA, BASF, BAYER, BOEHRINGHER, BOC, CARGILL, CHART, CRISTAL UNION, CRYOSTAR, DANONE, DRT, FIRMENICH, GEA, GIVAUDAN, GSK, HENKEL, LINDE, L'OREAL, MANE, MARS CHOCOLAT, MERCK, MESSER, NESTLE, NOVARTIS, ORIL, PPG, PROCTER & GAMBLE, ROQUETTE, SANOFI, SOLVAY, SPX, TETRA PAK, TORAY, WÄRTSILÄ, YARA ...



LNG

Fuel Stations, Stationary Tanks, Tank Trailers, ISO Tanks... since more than 10 years.

EN12567 CERTIFIED VALVES ISO10497 FIRE CERTIFIED VALVES AUTOMATIC SHUT-OFF VALVES FULL COMPONENT TRACEABILITY



MARINE LNG Fuel Ships, LNG Tankers, LNG Floating Storages...

DIVERTOR FOR TANK SAFETY VALVES BUNKERING VALVES MODULE NITROGEN FLUSHING UNITS TYPE APPROVAL ABS, BV, DNV, LR, RINA...



INDUSTRIAL APPLICATIONS

Painting line, industrial refrigeration, water desalination, water treatment plant, since more than 30 years.

FLUSH VALVES DOUBLE BLOCK & BLEED VALVES HIGH RELIABILITY VALVES LOW MAINTENANCE COSTS

ENERGY

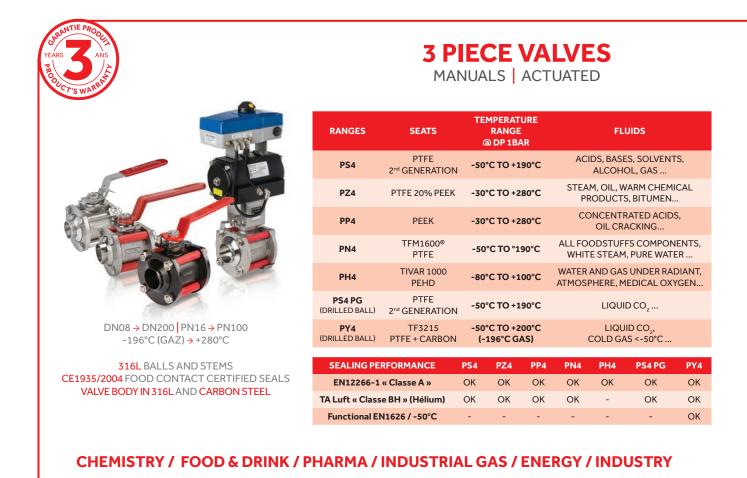
Cooling circuits, Heating circuits, Heat generation, cogeneration.

QC EDF-UTO VALVES SEISMIC RATING DOUBLE BLOCK & BLEED VALVES FULL COMPONENT TRACEABILITY



OUR VALVES SERVING YOUR PROCESSES

Stainless steel, carbon steel, manual valves, pneumatic and electric actuators, high quality polymer soft seats from cryogenic to high temperature...



DESIGNER'S & MANUFACTURER'S WARRANTIES

Reliability & quality

- ✓ Mechanical parts designed for 1,000,000 cycles (0 → PN)
- Fully traceable materials and components
- ISO9001 quality system
- PED 2014/68/EU module H

Storage & installation

- KIT Box packaging since 1980 (2018 evolution : 100% recyclable)
- ✓ 360° loose body flanges since 1967 (reduced fitting time -30%)

Performance & service life

- Self-compression spring washers (belleville washers)
- Fully traceable sealing parts
- EN12266-1 "class A" tightness even after 2,500 actuations
- Helium tightness 10-5 mbar/l.S-1

Availability & maintenance

- All ends machined in our workshops
- Permanent stock of more than 50,000 components and valves
- Permanent stock of spare parts

6



More than 4,000 products combinations available.

| YEARS ANS BOOCCT'S WARN | CRYOGENIC VALVES MANUALS ACTUATED | | | | | |
|----------------------------|---|--|---|--------|-----------------------------------|--|
| | RANGES | SEATS | CHARACTERISTICS | | FLUIDS | |
| | PY4 I CY (DRILLED BALL) | TF3215(R) PTFE + CARBON | Body seals : PTFE Long screws PTFE RED spacers | | NITROGEN, OXYGEN, RGON, HELIUM | |
| | | FUNCTIONAL EN1626 : 2008 (-196 ° C / DP MAX 40 BAR AND 10 BAR) CERTIFIED SEALS CE1935 / 2004 FOOD CONTACT | | | | |
| | PY4 I CY SF (DRILLED BALL) | TF3215 PTFE + CARBON | Fire-Safe Design Body seals : Graphite Distance piece Stainless steel threaded Short screws | | LNG | |
| | | CERTIFIED EN12567 : 2000 PART A & B (-196°C / DP MAX 40BAR AND 30BAR) CERTIFIED FIRE ISO10497 / API607 / API6FA | | | | |
| DN08 → DN125 PN15 → PN100 | SEALING PERFORMANCE | | NCE | PY41CY | PY41CY SF | |
| -196°C → +200°C | EXTERNAL TIGHTNESS HELIUM < 10-5 mbar/l.s-1 | | ОК | ОК | | |
| 316L STAINLESS STEEL BODY | IN LINE TIGH | TNESS HELIUM < 10 | 0-3 mbar/l.s-1 | ОК | ОК | |

BAR MACHINED SINGLE-PIECE EXTENSIONS (WELD-FREE) 100% DEGREASED VALVES ACCORDING TO EN12300 CRITERIA <50mg/m²



DESIGN DIN LONG PATTERN & DIN SHORT PATTERN CHEMISTRY / FOOD & DRINK / ENERGY / INDUSTRY

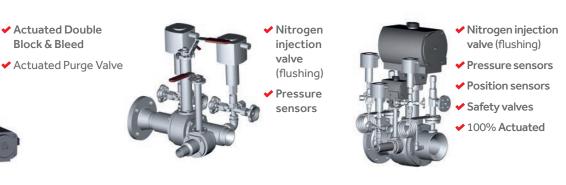




7

APPLICATION VALVES

| CLEAN FLUIDS | REGULATION | CORROSION | | |
|---|---|---|--|--|
| PN4 I Ra 0,4 internal USP Class VI seats CE1935 | Chemical Cryogenic V30° or V60° ball | 304L, 316L, 904L Alloy 22, Duplex Super Duplex | | |
| Clean steam, ingredients, food | Temperature control, progressive opening | Nitric Acid, SIP/CIP, Water Desalination | | |
| TANK BOTTOM | THERMAL FLUIDS | FLUSH MOUNTING | | |
| Low retention zone Body CIP CE1935 | PJ4 I Ammonia, Silicone Oils -80°C / +190°C | CE1935 Sampling, scraping sleeve | | |
| Storage tanks, food reactors | Industrial refrigeration, conditioning, freeze dryer | Food & pharma lines, sugar, painting | | |
| MULTI-FUNCTION Our project teams are able to des technical specifications. | MODULES ign unique solutions by combining | g our technologies to fulfill your | | |
| Steam Valve Module | Natural Cold Gas valve module LNG Transfer Valve Module | | | |



Actuated Double Block & Bleed



STEAM JACKET

MULTI WAYS



25bar jacket, Water, Steam, Oil CE1935

Temperature management, chocolate, caramel, bitumen...



L, T & X Ball Mixing Switching

Line switch, mixing ...

FIRE-BLOCK SYSTEM



Energy free spring shut-off Activation by cable & fuse 90°C

Tanks of LNG, Alcohol, Solvents...

FILTER, CHECK VALVE, SIGHT GLASS



Same dimensions as 3PCS valve

Depollution after welding, anti-reverse, visualisation

DOUBLE BLOCK& BLEED



Standards
Valves' Body
Double
isolating

Steam lines, dangerous and pollutants liquids ...

DIVERTOR COUPLING

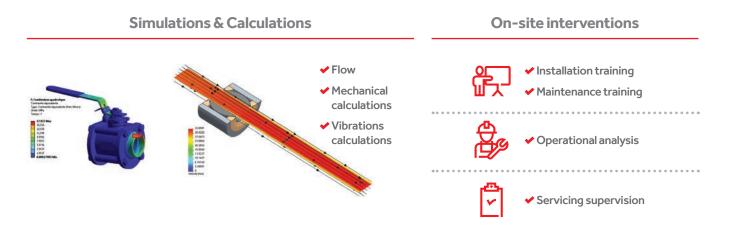


T & L ball Safety valves supports

Industrial Gas, LNG, petrochemicals...

SERVICES & BENEFITS

Our engineers and technicians drive all your requests for calculation notes, simulations and specific certifications (application standards, maritime ...).





2 INDUSTRIAL SITES: 7,000 m²

With more than 5,000 m² of Production and Assembly and 2,000 m² of Offices and Testing areas, our two industrial sites operate in synergy around 3 common pillars :

RESEARCH & DEVELOPMENT, PRODUCTION and QUALITY SYSTEM.







RESEARCH & DEVELOPMENT

The R & D teams work closely around common tools and design guides to ensure a constant level of performance of our products.

10



PRODUCTION

The synergies of production tools, the sharing of good practices and a central piloting allow us one of the best products availability and a recognized reliability.

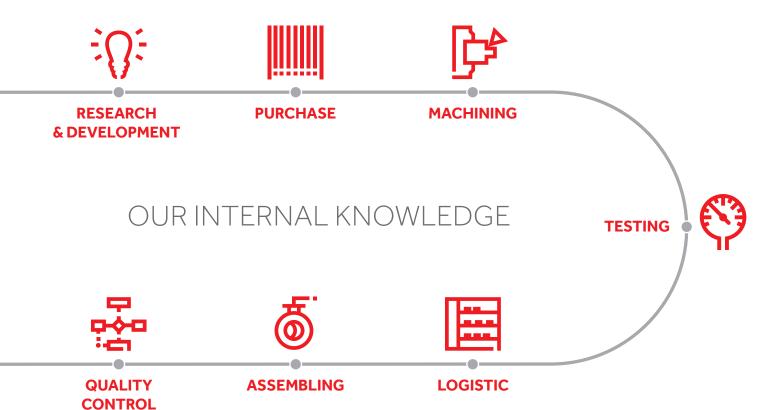


QUALITY SYSTEM

Our central quality system is ISO 9001 certified since 1994. It is the base of our performance on regulated markets as maritime LNG.

A COMPLETE MANAGEMENT OF ALL PRODUCTION STAGES





QUALITY IS THE HEART OF OUR BUSINESS





WOMEN AND MEN OF TALENT

Our teams: 140 women and men trained and experts of their trade.



COMMON VALUES



FOCUSED ON OUR CUSTOMERS SUCCESS



Our Sales Team answer all your technical and commercial demands with the support of our products & design experts. To track your orders and to guarantee your satisfaction, our Customer Service is your partner in our production sites.



"My relationship with our clients goes beyond the role of simple provider, they see us as a real partner, and we accompany them in the development of their markets.

This relationship based on trust and long-term communication is a chance and a strength of Meca-Inox."

DAVID MEYER SALES AREA MANAGER GERMANY / AUSTRIA / SWITZERLAND

SUCCESS STORIES

LNG

WÄRTSILÄ

SINCE 2015

Design, production and delivery of more than 50 Marine certified valve modules for LNG fuel ships : LNG Bunkering Modules, LNG Vapors Modules and DIVERTORS for coupling of LNG Tank safety valves.

PHARMACY

BIOGEN 2016/2017

More than 5,000 PS4 valves delivered for the new plant of Soleure (France). Size DN08 to DN150, manual and actuated, for steam, solvents and utility fluids.

AGRO-FOOD

FIRMENICH

2017

Delivery of 850 valves PN4, PZ4 and PS4 for the new plant of Zhangjiagang in China. Manual and actuated valves for lines and storages of fluids.

INDUSTRIAL GASES

AIR LIQUIDE

2016

As part of the international ITER project based in France, more than 1,200 cryogenic and non cryogenic valves (PY4I, PY4ICY, PS4I) have been delivered for installation into the Cryogenics (Helium and Nitrogen) plant currently under construction.





MECA-INOX GROUP

Independent group, created in 1955 by Mr Guy Beurel around the activity of production of mechanical parts in stainless steel. The Group has a stable shareholding majority-owned by its CEO Mr Hugues Beurel.

With a French managerial and industrial history, the Group invests regularly to open new markets in respect of its values.



« 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. »



Two divisions



BALL VALVES

Main activity of the Group since 1967. International specialist recognized for design, production and sale of high performance ball valves for industrial processes.



DISTRIBUTION

Multi technologies industrial valves and equipment distribution activity, in North Africa.

Values and social commitments

| KNOWLE AND TRAI | _ | Training and capitalization of knowledge are one of the essential pillars of the sustainability and excellence of a business. Nearly half of our employees a involved every year in training programs and we welcome permanently a dozen apprentices in our services . | | | | |
|--------------------------------------|--|---|--|--|--|--|
| CULTURAL & PETRON | | From 2014, Meca-Inox supports the Foundation of the Abbey de Royaumor (France, Val d'Oise) through the Committee Henry Goüin . This action is involved in the conservation of one of the jewels of the French heritage and supports the creation of many musical projects. Meca-Inox also supports the Cergy-Pontoise Jokers ice hockey first team since 2015. | | | | |
| DISABLED PI | | Industrial partnership since 2010 with ANRH Beauvais (ESAT) with the creation of a workshop for assembly and packaging. This workshop, certified ISO 9001 , employs 15 people in situation of disability and their supervisors. | | | | |
| CORPORATE RESPONSA | | In line with our process of continuous improvement, all of this approach of Corporate Social Responsibility (CSR) is evaluated from 2013 by EcoVadis audit firm . Meca-Inox ranks in half top of industrial companies of the same sector of activity on the 4 rating criterias : Environment, Social, Ethics of business and Relationship suppliers. | | | | |
| Industrial SIte in Dalian (China) | New group head Offi in Cergy (France) | in Gisors (France) | | | | |
| | | 69) YEARS | | | | |

Main figures

2007

2010



2015





MECA-INOX

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meca-inox.com

A BRAND OF GROUP



