



A B S C I S S E

Designer and manufacturer of stainless steel equipment
for the food, cosmetics and pharmaceutical industries

Production range

- 1 Standard valves**
Sterile sampling cocks - Valves - Check valves - Sight glasses - Filters - Safety valves - etc.
- 2 Special valves and accessories**
Change-over valves - Double butterfly - Tank bottom valves - Flow control - Static mixer - etc.
- 3 Pigging and cleaning**
Pigging of hoses and piping - Pipe and tank cleaning - etc.
- 4 Equipment for tanks and containers, and accessories**
Pressure/Vacuum safety - Pressure control - Retractors - Sight glasses - Vents - Silencers - etc.
- 5 Automated units, and automatic systems**
Pressure/Relief valves - Cyclical dosing - Coupling - In-line mixing - Cleaning system - etc.
- 6 Carbonators, deaeration, proportional injection**
Carbonation with automatic CO₂ measure and regulation - Dissolved CO₂ measurement - Blending - Mixing.
- 7 Hoses, connectors and miscellaneous products**
Coupled hoses - Standard connections - Piggable connections - Revolving connections.





SAMPLING COCKS

1 Standard valves

Flush membrane sterile sampling cock :

- REC → Automatable sampling cock, flame sterilizable.
- RES → Automatable sampling cock, with sterilizing fitting.
- REC/RES → Tube section with sampling cock (machined body).
- REC/RES → Sampling cock, syringe version.
- Actuator Normally Closed → DN6, DN10, DN15.
- Actuator Normally Opened → DN6.
- Membrane support with syringe fitting.

Filters :

- Angle-pattern flow path strainer filter.
- Y-pattern flow path strainer filter.
- In-line strainer filter, concentric or off-centered body.



ANGLE-PATTERN STRAINER FILTER

Valves :

- Ball non-return valves.
- Spring non-return valves.
- Membrane non-return valves.

Manual or automatic valves :

- Butterfly valves (single or double effect).
- « Sandwich » type butterfly valve (single or double effect).
- Single tightness safety block and bleed valves (small diameters).
- Manifold.
- Membrane valves.
- Ball valves.

Sight-glasses :

- Micro tubular sight-glasses, full flow (as from DN6).
- Tubular sight-glasses, full flow.
- Parallel sight-glasses.



SIGHT GLASSES

Liquid safety valves :

- Spring non-return valves.

Miscellaneous :

- Manometer on stainless steel separator (machined body, flush mounting).

- All special requirements upon request.

2 Valves

and special manual or automatic accessories

- Double butterfly safety valves with automatic leakage detection.
- Independent double tightness safety block and bleed valve with leakage detection.
- Double tightness safety block and bleed valves with leakage detection.
- Single tightness safety block and bleed valves.
- Manifolds.
- Tank bottom valves (ascending or descending obturator) single or double tightness.
- Tank bottom membrane valve.
- In-line or angle-pattern flow regulating valves.
- In-line, modulating valves, sterilizable.
- Machined ball valves, sterilizable.

- All flow liquid pressure regulator (upstream or downstream).
- High pressure liquid reducing valve.
- Low pressure liquid reducing valve.
- High pressure liquid discharge valve.
- Low pressure liquid discharge valve.

- Compact in-line static mixers.
- Filling gun.
- Plunging tubes.
- Goosenecks.

- All type of special valves upon request.



MANIFOLD



IN-LINE STERILIZING MODULATIVE VALVE



DOUBLE BUTTERFLY SAFETY VALVE

3 Pigging and cleaning systems



A COMPLETE RANGE OF BI-DIRECTIONAL PIGS



IN-LINE PIGGING STATION

Pipe and hose cleaning systems :

- Pigs with interchangeable seals.
- In-line sterilizing departure and arrival stations.
- By-pass departure and arrival stations.
- Arrival station with automatic destination selection (configuration: 1 departure/several arrivals).
- Departure station with off-centered arrival (application : jam with whole fruits, sauces, etc.).
- Mobile departure and arrival stations for container drainage.

Cleaning of pipes and tanks :

- Fixed balls for tank cleaning.
- TOFTEJORG rotating balls for tank cleaning.
- TOFTEJORG rotating jet heads for tank cleaning.
- Retractable systems for stationary or rotating cleaning heads.
- Mobile cleaning in place CIP for cleaning tank and pipes.
- Stationary cleaning in place CIP for cleaning tank and pipes.
- Cleaning booths for containers.
- Mobile strainer tank cleaning head frame.
- Cleaning accessories (wash piping, etc.).

- All type of cleaning and pigging systems upon request.

4 Equipments for tank, container, and miscellaneous

4.1 Tank equipment

Safety/Process/Cleaning combination

- Accessory tank top plates.
- Vertical or horizontal tank top pipes.

Vacuum safety accessories :

- Vacuum breaker valves.
- Vacuum sensors.
- Tank vents.

Pressure safety accessories :

- Spring-loaded safety valves.
- Safety valves with counter-weight.
- Pressure valve, low pressure model (collected or non-collected exhaust).
- Micro Pressure-relieve valve.
- Pressure-relieve device.
- Bursting graphite disc supports.
- Tank vents.

Pressure and vacuum safety valves, SDD and SDE types :

- DN76 combined pressure and vacuum safety valves, SDD type.
- DN104 combined pressure and vacuum safety valves, SDD type.
- Polypropylene combined pressure and vacuum safety valves, SDE type.

Pressure regulating devices with precise pressure piloting :

- Precise gas pressure reducing valve.
- Precise gas pressure relieving valve.
- Combined pressure reducing/relieving valve, neutral gas constant pressure regulator (inerting).



VERTICAL TANK TOP PIPES



PRESSURE AND VACUUM SAFETY VALVES, SDD AND SDE TYPES

4.2 Tank accessories, SDC type

- Pressure safety valves.
- Vacuum safety valves.
- Combined pressure and vacuum safety valves.

4.3 Miscellaneous accessories

- Flush sight glasses to be welded on tank walls (with or without halogen spot).
- Rotating cleaning head retractable systems.
- Mobile strainer filter cleaning head support.
- Automatic cleaning valve.
- Cleaning obturators (valve isolation during cleaning.).
- Cleaning accessories (wash piping, etc.).
- Sparging lanterns.
- Exhaust silencer.
- Tank level devices.

• All type of tank and piping equipment upon request.

5 Automated units and automatic systems

- Turn-key pigging system.
- Cyclical dosing.
- Single and double body automatic coupling devices.
- In-line mixing with proportion measure and control of Finish Product set point.

- Mobile cleaning unit.
- Cleaning in place unit (CIP).
- Automatic pressurized tank cleaning.

- Automatic purging devices (220V or 24 V supply).
- Precise gas pressure reducing valve.
- Precise gas pressure relieving valve.
- Combined pressure reducing/relieving valve, neutral gas constant pressure regulator (inerting).



CLEANING IN PLACE UNIT (CIP).



AUTOMATIC PURGING DEVICE

• All type of special units upon request.

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Carbonation, deaeration, and proportional injection

- Manual carbonation devices.
- Portable dissolved CO₂ measuring device.
- Carbonation with automatic CO₂ measure and regulation.
- OENOSAT type wine carbonation.
- Water deaeration.
- Blending, mixing.



DEAERATION OF LIQUID



WINE SATURATOR, OENOSAT TYPE

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Hoses, fittings, and miscellaneous



COMPLETE RANGE OF FITTINGS AND FLEXIBLE HOSES

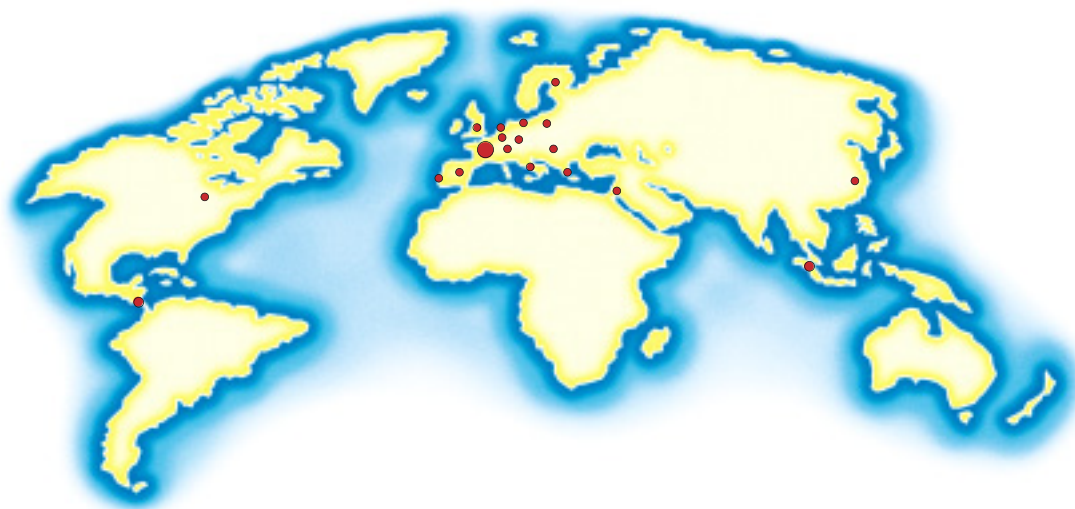
- Hoses with crimped connections without retention area.
- Piggable hoses.
- Fixed or mobile reels for hoses.
- DIN11851 connections, SMS, Clamp, BSP, elbows, tee junctions, reducers, etc.
- Full flow piggable connection, metal/metal tightness.
- Heat protection for connections.
- Anti-impact protection for connections.

▶ *Activity*

Design and manufacture of stainless steel equipment
for food, cosmetics and pharmaceutical industries.

▶ *Production range*

For further information please refer to specific technical instruction sheets.



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We thank them for their confidence.



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