



**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 CO<sub>2</sub> measure and regulation - Dissolved CO<sub>2</sub> 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.

## 6

## Carbonation, deaeration, and proportional injection

- Manual carbonation devices.
- Portable dissolved CO<sub>2</sub> measuring device.
- Carbonation with automatic CO<sub>2</sub> measure and regulation.
- OENOSAT type wine carbonation.
- Water deaeration.
- Blending, mixing.



DEAERATION OF LIQUID



WINE SATURATOR, OENOSAT TYPE

## 7

## Hoses, fittings, and miscellaneous



COMPLETE RANGE OF FITTINGS AND FLEXIBLE HOSES

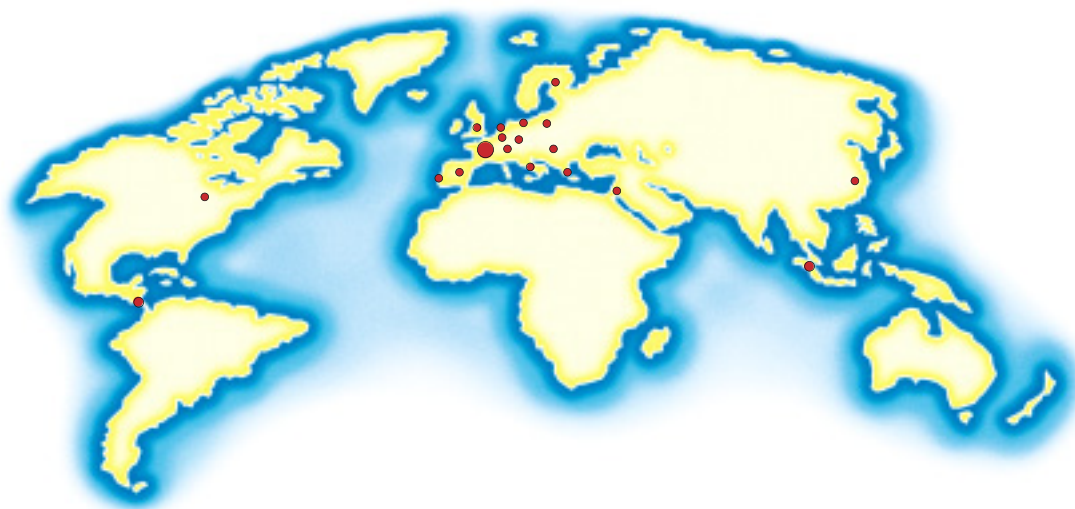
- Hoses with crimped connections without retention area.
- Piggable hoses.
- Fixed or mobile reels for hoses.
- DIN11851 connections, SMS, Clamp, BSP, elbows, tee junctions, reducers, etc.
- Full flow piggable connection, metal/metal tightness.
- Heat protection for connections.
- Anti-impact protection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



## ***Expertize, Quality & Service***

*are our reputation with renown customers  
in France, and abroad.*

AIR LIQUIDE, ANDROS, BADOIT, BASF, BEGUIN SAY, BOIRON, BROSSARD, BOURJOIS, BOURSIN, C.G.E., CANDIA, CHAMBOURCY, COCA COLA, COLGATE PALMOLIVE, CUSENIER, DANONE, DAVIGEL, DUPONT D'ISIGNY, DUVAL LEROY, E.D.F., ELIDA FABERGÉ, ERTA, EVIAN, EXPANSCIENCE, FINDUS, FISON, GARNIER, GLAXO, GUERBET, GRACE, HEINEKEN, HENKEL, HOECHST MARION ROUSSEL, INTERMARCHÉ, JANSSEN CILAG, KRONENBOURG, LAFON, L'ORÉAL, MOET & CHANDON, MC CAIN, NESTLÉ, ORANGINA, PAMPRYL, PARKE DAVIS, PASTEUR MÉRIEUX, PFIZER, PERNOD RICARD, PHARMASCIENCE, PIERRE FABRE, PIPER HEIDSIECK, PROCTER & GAMBLE, PROGIPHARM, RAISON, RECKITT & COLMAN, RHÔNE POULENC, ROC, ROCHE, ROQUETTE, R.P. SCHERER, SANOFI, SCHWEPPES, SYNTHELABO, SMITHKLINE BEECHAM, UPSA, VERNIS SOUDÉE, VIRBAC, VITTEL, VOLVIC, YOPLAIT, YVES ROCHER.

*We thank them for their confidence.*



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