

Pigging system

Sampling

Filtration

Safety valves



Adapted  
**solutions** for your  
**manufacturing**  
**processes**



*The expertise  
of a designer  
and manufacturer*





The expertise  
of a **designer** and  
**manufacturer**

**Or focus is on optimization of production costs, quality control and environmental standards. ABSCISSE offers solutions for reducing effluent, optimizing line cleaning, making processes secure and increasing the versatility of production lines.**

#### **Our solutions**

With a strong reputation, since 1994 ABSCISSE has been designing and manufacturing complete systems and individual pieces of equipment for both liquid and viscous fluids, for:

- Pigging system
- Sampling
- Filtration
- Breathing and protection of tanks

#### **A tailored approach**

Our team, which has been trained to meet the requirements of the market, provides effective and durable solutions for the various processes of our industrial customers:

- Chemical, petrochemical
- Agri-food,
- Cosmetics,
- Pharmaceutical and biotechnology.

As the prime contractor for all the products that it manufactures, ABSCISSE offers a range of standardized products as well as custom built equipment that meets the needs of its customers.

#### **A modern high-performance production plant:**

Since 2013, our new production plant, including workshops for machining, welding and boiler making, has provided a new manufacturing resource for our range, as well as for the development of new equipment.

#### **Reliability, traceability and compliance with standards:**

With a new MPM, coupled to a system of quality assurance and a network of local approved subcontractors, ABSCISSE guarantees traceability and the compatibility of its products to your applications and your reference system.

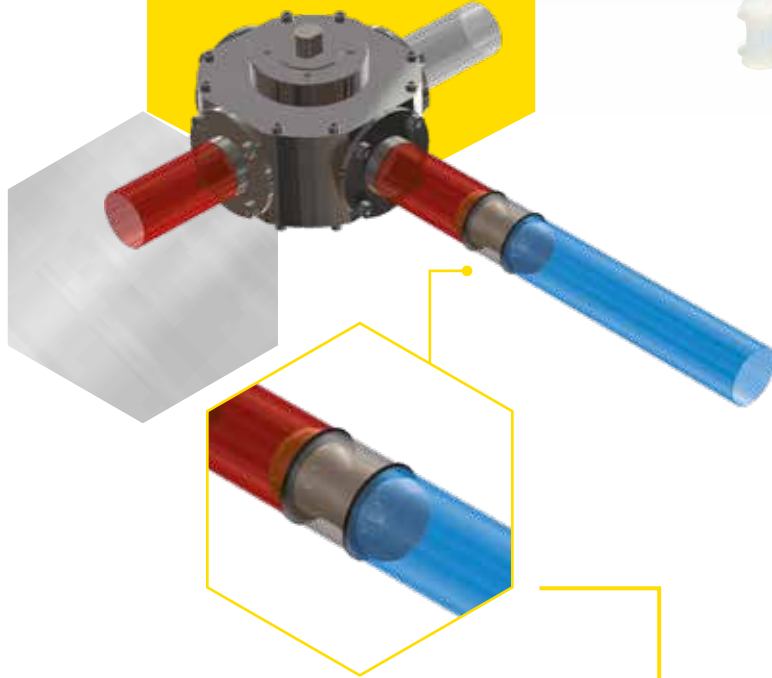
#### **An international presence:**

Considered as an indispensable player in France and Europe, ABSCISSE is strengthening its presence among customers and integrators in Belgium, Spain, Luxembourg, Poland, the Czech Republic and on all 5 continents.





## Pigging system



**A**t the end of each production, the pipework contains residual volumes of manufactured product which are lost and this makes long, costly and inefficient cleaning cycles compulsory. **Pigging allows these volumes, which are often under-estimated, to be recovered and sold**

- Perfect recovery of residual fluids (liquids, viscous fluids and fluids with markers)
- Equipment and constructions tailored to the customer's use, from DN 12 to DN 300
- Hygienic, CIP, SIP
- Low energy requirements
- Low maintenance and operation costs
- Full engineering systems possible:
  - functional analysis realization
  - draft the pipework specifications
  - commissioning and user training



- **Rapid return on investment**
- **Strong reduction in effluent volumes**
- **Productivity increases**
- **Decrease in cleaning cycle times**
- **Improved traceability**



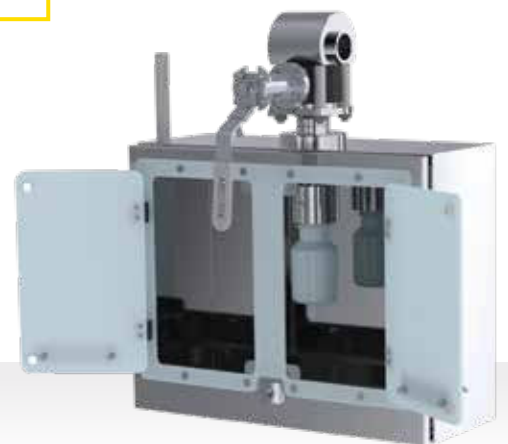


## Sampling

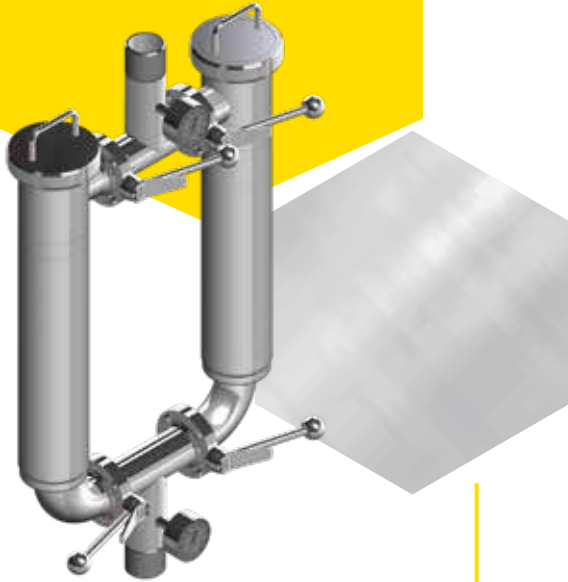
**Q**uality is an imperative. It is ensured by sampling, performed at the various stages of manufacture and by more or less binding environmental surroundings.

- Suitable for hot, liquid and viscous fluids or fluids with markers
- Perfect cleanability
- Securing of samples
- Flush construction without retention points
- Safety of the sample taken
- Simplicity and low cost of maintenance
- Materials and constructions tailored to the customer's use, from DN6 to DN300
- Operating pressures from -1 to +40 bar, according to the models
- Membrane or capacitive sphere construction

- **Perfect representativeness of samples taken**
- **Simple automation**
- **Can be included in cleaning cycles of the pipework or tank**
- **Simplicity of use, maintenance and development**



## Filtration

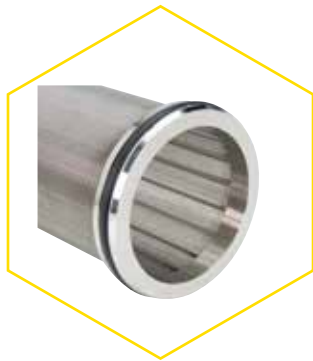


**T**he safety of consumers and equipment, as well as energy costs, are strategic factors in the definition of operating procedures.

A suitable filtration system, upstream of the dynamic equipment, guarantees the process against unwanted effects and losses.

- Suitable for hot, liquid, viscous and marked fluids
- Rigid triangular mesh filtration profile
- Wide flow cross-section
- Filtration thresholds possible from 10 to 6000 µm
- Manual or automatic unclogging system
- Can include a double jacket for heating, magnetic stirring bar, strainer for presence detection, drain valve, etc.
- Assembly delivered, tested and proven

- **Low load loss**  
= **Less energy consumption**
- **Easier and less frequent cleaning**
- **Consistent filtration**
- **Ease of installation**





## Safety valves



**T**he process and rate of manufacture can evolve, in its entirety or in part, without changing the preparation, transfer and storage equipment.

To maintain the sterility or safety of their contents, tanks cannot be directly connected to the atmosphere.

Being subject to variations in level during the filling, emptying and washing phases, they must therefore be equipped with breather valves.

- Inerting, CIP, SIP
- Pressure/vacuum
- Construction suitable for thermal shocks
- Open or collectable exhaust
- Possibility of opening detection, cleaning at the valves, heating, anti-insect grill
- Minimum calibration of -1 mb and +30 mb
- DN50 to 300
- Assembly delivered tested and proven, with calibration certificate

- **Wide flow cross-section and performance guarantee**
- **Ease of installation**
- **Ability to develop the construction**
- **Low maintenance frequency**
- **Ease of cleaning**





Our  
**international**  
presence

### **They trust in our technology**

AGRANA, AIR LIQUIDE, BASF, BLEDINA, CEMOI, CENEXI, COCA-COLA, COLGATE-PALMOLIVE, DANONE, FAREVA, FIRMENICH, GERFLOR, GYMA, HENKEL, JOHNSON & JOHNSON, LA MARTINIQUAISE, L'OREAL, LESIEUR, LESSAFRE, MOËT & CHANDON, NESTLE, PIERRE FABRE, PERNOD RICARD, ROQUETTE, SANOFI, SARBEC, SERVIER, SOLVAY, TEREOS, TORAY, VALRHONA, VEOLIA, YOPLAIT, YVES ROCHER...

Your partner



*The expertise  
of a designer  
and manufacturer*