



Fine chemicals

Process Valves for Fine Chemicals & Pharmaceuticals



General Chemicals



Petrochemicals



Plastics and Polymers



Nuclear and Navy



Cryogenic Service



Other Applications

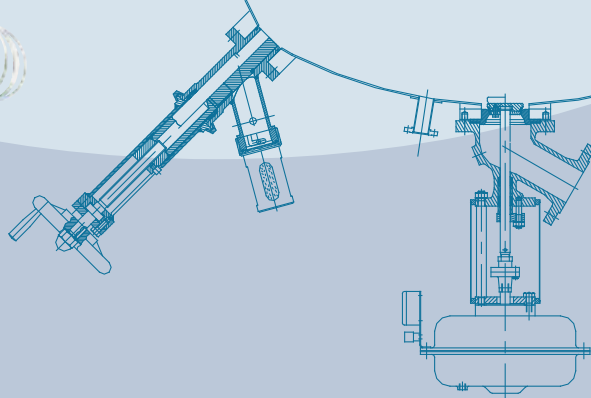


State-of-the-art valves to comply with the strict requirements of the fine chemicals and pharmaceutical sectors

Our aim

Supply valves serving the increasingly complex industrial processes and their highest quality and reliability requirements, in accordance with GMP standards.

Tank bottom valve with laterally mounted actuator

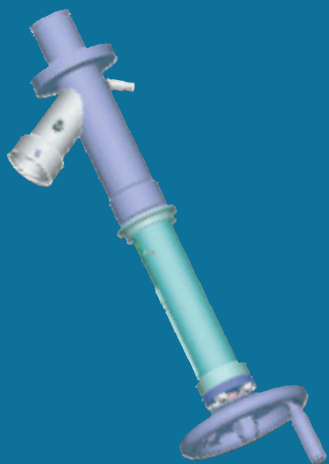


Tank bottom valve with temperature sensor



Constraints related to applications in fine chemicals & pharmaceutical industries

- Eliminate risks of product contamination
- Safety for the operators and for the environment
- Easy handling and maintenance : CIP (Cleaning in Place), SIP (Sterilization in Place)
- Traceability of production
- Genuine sample (representativity)



Our specific answers to the constraints of your applications

■ Sampling valve

➤ Dead space free design

- No product built-up
- No bacteriological contamination

➤ Easy dismantling

- Cleanliness

➤ Inside and outside surface polish

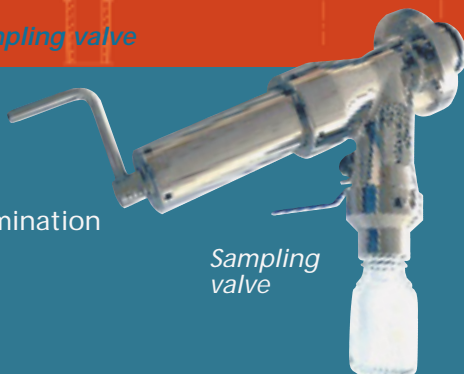
- Cleaning in Place
- No bacteriological contamination

➤ Full traceability (materials, operators, machines) as per ISO 9001 : 2008

- Reliability

➤ Special adaptations to meet process requirements, e.g.

- Integrated temperature sensor for a better process control, avoiding extra nozzles on vessel
- Laterally mounted actuator to fit in the available space under the reactor



Sampling
valve

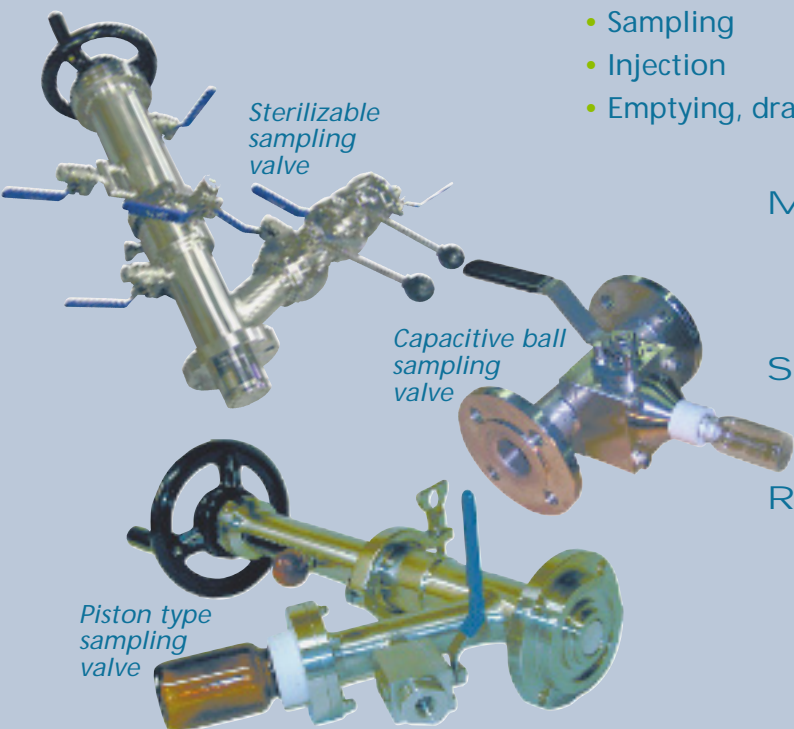


Sampling
valve



Tank bottom
valve

Our range of valves



Sterilizable
sampling
valve

Capacitive ball
sampling
valve

Piston type
sampling
valve

- Sampling

- Injection

- Emptying, draining

- Piston valves / Ball valves

- Injection valves

- Tank bottom valves

Materials

- Stainless steel and special alloys
- FDA grade seals

Surface finish

- Mirror polished up to $R_a = 0,4 \mu m$

Range of application

- Fluids : liquids, gas, powders
- Pressure : from full vacuum to 30 bars
- Temperature : $-20^{\circ}C$ à $+170^{\circ}C$

Agreements and Quality Management

ISO 9001

ISO 9001 certified since 1991. ISO 9001: 2008
Notified Body: Lloyd's Register Quality Assurance.

ISO 14001

Environmental Management certified to ISO 14001: 2004
Standards by Lloyd's Register Quality Assurance.

PED 97/23/EC

Compliance with the European Pressure Equipment Directive.
Guichon Valves is certified according to Appendix III
Module H of Directive 97/23/EC.

Welding

Welding procedures qualified as per ASME and EN standards.



*Experienced and
qualified welders*



*Machining shop equipped
for in-house production*



*Design department:
the company's heart*



New production plant

Leading Valves Manufacturer

GUICHON VALVES was created in 1921. The company successfully expanded to the fine chemicals sector in 1985 and has been in the specific market of pharmaceuticals since 1991.

Today, we rank amongst the leading European suppliers of special valves thanks to our long experience and capability to supply custom-made valve solutions.

The Company has full control over the design, manufacturing and testing of its products and also provides a full after sales service.

Our know-how in manufacturing high performance valves, added to the expertise of our engineering and design department, have ensured constant progress in the development of innovative and effective solutions, produced by our Company.

Guichon Valves : an expert to optimize your process

Fine chemicals



GUICHON Valves

also has special know-how in the fabrication of special valves for following sectors:

- Cosmetics and perfumes
- Animal nutrition
- Agrochemicals
- Paints and varnishes

Some of our worldwide client

AVENTIS PHARMA

BHARAT STARCH

BOEHRINGER MANNHEIM

CLARIANT

CRYSTAL PHARMA

DE DIETRICH PROCESS SYSTEM

HOLVRIEKA

JANSSEN PHARMACEUTICAL

KRKA

LONZA

MERCK

NOVARTIS

PFIZER-PHARMACIA

PLIVA

PCAS

ROCHE

ROSENMUND GUEDU

SANOFI SYNTHELABO

SCHERING

SINOPHARM

SYNGENTA

UCB PHARMA

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