Guichon Valves was created in 1921, successfully expanded into the Polymer sector in 1979 and has been in the specific market of PE/PP/PS since then. Today, we rank among the leading European suppliers of valves thanks to our long experience and capability to supply custom-made valves solutions. The Company has full control over the design, manufacturing and testing of its products and also provides 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.
Process Valves for PE/PP

Specific requirements for PE/PP process
Continuous polymerization process

Constraints related to applications in PE/PP process:
- Insure a perfect tightness
- Meet corrosion requirements
- Ability to withstand high temperature
- Large range of pressure classes (150 to 2500 Lbs)
- Be referenced by the main process licensors

Features
- Stainless Steel cast body (A351 CF8M / CF3M)
- Polished piston
- Conical metal-to-metal piston seating
- Fixed or interchangeable seat
- On/Off or regulating valve
- PTFE/Silicon + Graphite sealing

Competitive advantages
- Full bore, low pressure drop
- Higher efficiency
- Live loaded stuffing box
- Low maintenance
- Polished piston
- Smooth surface, no retention
- Easy maintenance

Optimal tightness: metal-to-metal sealing

Hard facing of the piston and/or seat
Extra polishing or mirror polished piston and/or seat (Ra 0.8 um to 0.4 um)

Dead space free design / No retention area

Selected materials: A351 CF8M/CF3M stainless steel or 316L for welded construction

Thanks to its 30 years experience in PE/PP, Guichon Valves is referenced by the main process licensors

Guichon Valves’ range

Our specific answers to the constraints of your applications

Rising disc type
DN 3” x 2”
Class 150 - A351 CF8M

Sampling Valve
DN 1” x 3/4”
Class 150 - A351 CF8M

Piston valve
DN 2” - Class 300 - in 304L
Double acting pneumatic actuator

Piston valve
DN 1” x 1”
Class 600 - in A351 CF8M
Double acting pneumatic actuator

Piston valve
DN 3/4”x1/2”
-Class 1500 - in 304L
Double acting diaphragm piston type pneumatic actuator (closing time < 3s)

Control piston valve
DN 3/4”
Class 600 - Single acting piston type pneumatic actuator with positioner
Specific requirements for PE/PP process
Continuous polymerization process

Constraints related to applications in PE/PP process:
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- Meet corrosion requirements
- Ability to withstand high temperature
- Large range of pressure classes (150 to 2500 Lbs)
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Guichon Valves’ range

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- PTFE/Silk + Graphite sealing

Competitive advantages
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- Higher efficiency
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- Low maintenance
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Control piston valve
DN 3/4”x1” - Class 600
Single acting piston type pneumatic actuator with positioner

Piston valve
DN 1”x1” - Class 600
Double acting pneumatic actuator

Piston valve
DN 3/4”x1/2” - Class 1500
Double acting diaphragm piston type pneumatic actuator (closing time < 3s)

Stellited piston and seat according to temperature and pressure
- Longer life
- Rising non turning piston
- Reduced packing wear

Rising disc type
DN 3” x 2” - Class 150 - A351 CF3M

Sampling Valve
DN 1” x 3/4” - Class 150 - A351 CF3M

Guichon Valves’ range
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ASPELL POLYMERS
AMOCO
APPRYL
BATAAN POLYETHYLENE
BEIJING YANSHAN PETR. CO.
BP
CHEMOPETROL
CNPC
CPIC
E.C. VERB
ELF ATOCHEM
FOSTER WHEELER
INDIAN PETROCHEMICALS CORP (IPCL)
INVENTA FISCHER
JAPAN GAS CORPORATION (JGC)
LANZHOU CHEM. IND.
PETROLEUM CHINA DAGANG OILFIELD
POLYETHYLENE MALAYSIA SDN
P.T. PENI INDONESIA
SAMSUNG ENGINEERING
SINOKELLOG
SINOPEC
SNNG NCPP
SORESID
TECHNIP
UBE INDUSTRIES
UHDE INVENTA-FISCHER
YANGZI PETROCH. CORP.
YISHENG DAHUA PETROCHEMICAL
ZHANJIANG DONGXING OIL ENTERPRISE
ZHEJIANG HUALIAN SUNSHINE PETROCHEMICAL

Some of our worldwide clients

Guichon Valves for process
PE/PP
Polyethylene/Polypropylene

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