



Plastics and Polymers

Valves for process

PE/PP

Polyethylene / Polypropylene



General Chemicals



Fine Chemicals



Petrochemicals



Nuclear and Navy



Cryogenic service



Other applications





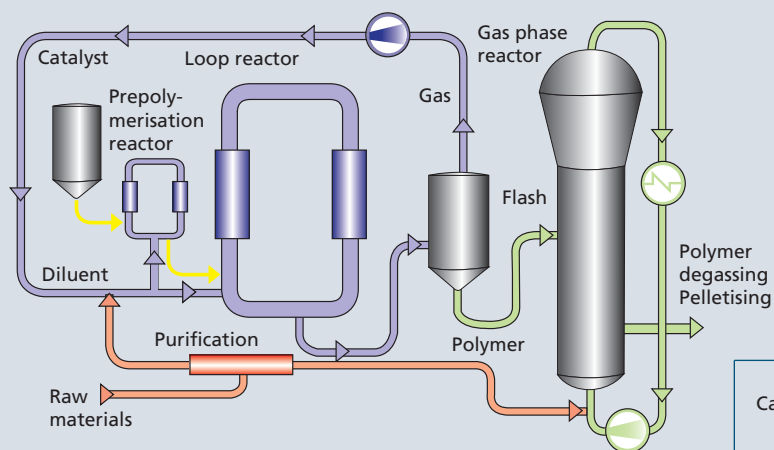
Specific requirements for PE/PP process

Continuous polymerization process

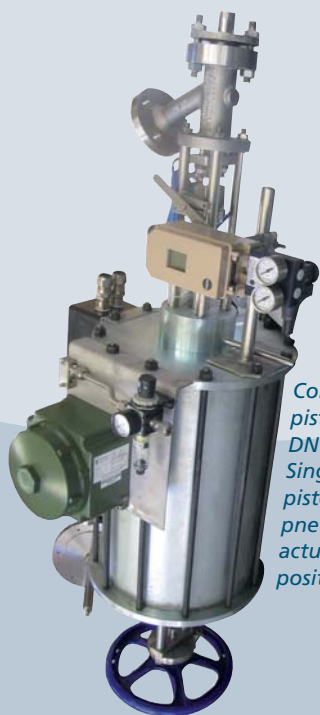
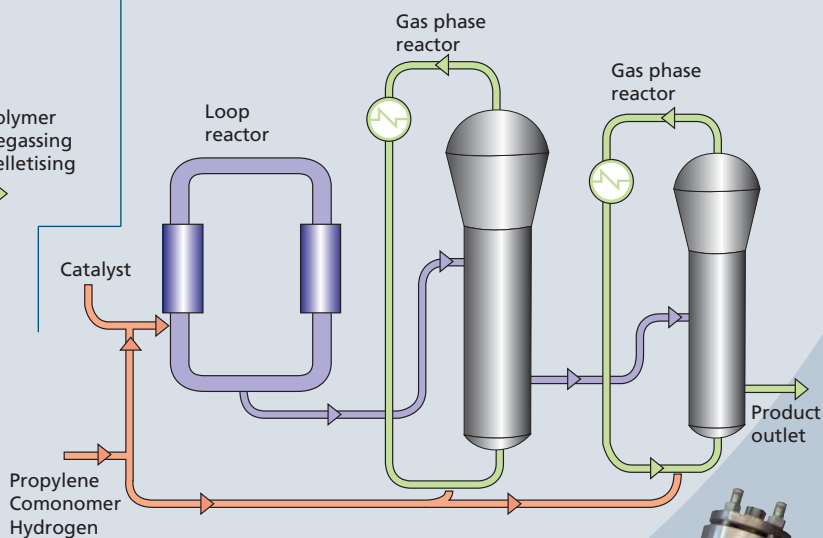
Constraints related to applications in PE/PP process:

- 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**

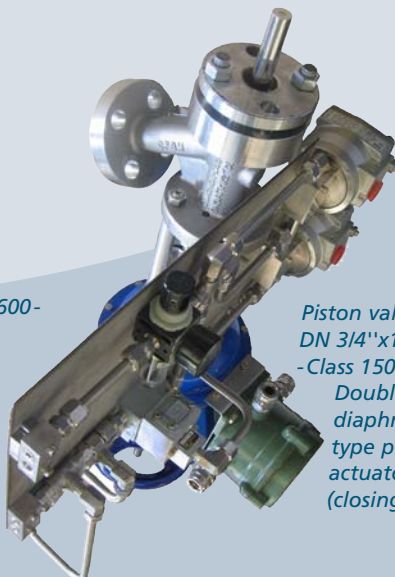
PE Process example



PP Process example



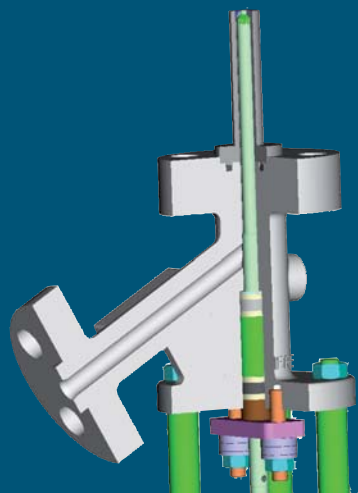
Control piston valve
DN 1"x1" - Class 600-
Single acting
piston type
pneumatic
actuator with
positioner



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

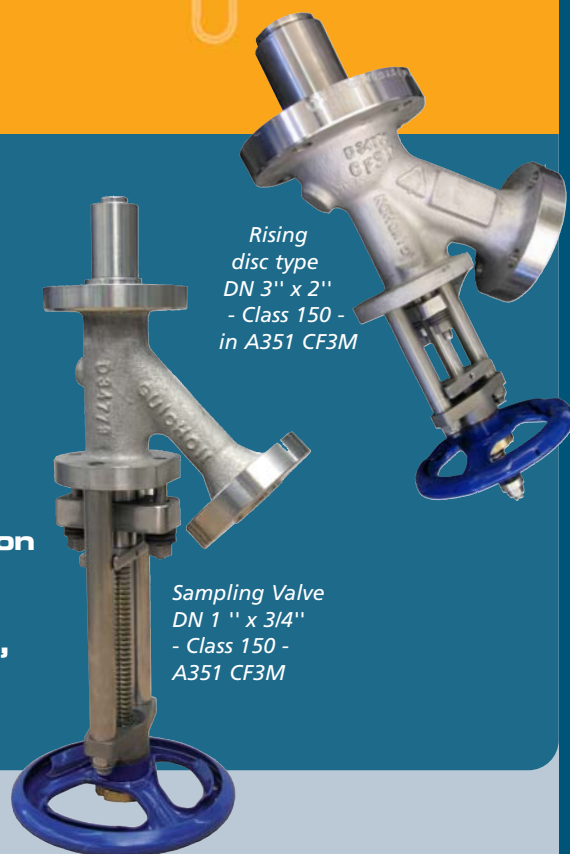


Piston valve
DN1"x1"
- Class 600-
in A351 CF8M
Double acting
pneumatic
actuator



**Our specific answers
to the constraints
of your applications**

- ➡ **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 µm to 0,4 µm)**
- ➡ **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**



*Rising
disc type
DN 3" x 2"
- Class 150 -
in A351 CF3M*

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

Guichon Valves' range



*Sampling
piston valve
DN 4" x 1"
- Class 300 -
in A351 CF8M*

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

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/Silk + Graphite sealing
- Manual operator, single or double acting actuator with/without manual override
- Outlet angle: 45° or 60°
- Bolted stuffing-box, live loaded (with spring washers)
- Rising non turning stem with outside threads
- Position indicator
- Solid connection flanges class 150 to 2500

Competitive advantages

- Full bore, low pressure drop
 - ➡ Higher efficiency
- Live loaded stuffing box
 - ➡ Low maintenance
- Polished piston
 - ➡ Smooth surface, no retention
 - ➡ Easy maintenance
- Stellite piston and seat according to temperature and pressure
 - ➡ Longer life
- Rising non turning piston
 - ➡ Reduced packing wear

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**, 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



Polymers

GUICHON Valves also has special know-how in following applications:

- Polyester
- Latex
- Nylon
- Polyamide
- PA 6
- Resins-rubber
- PET / PBT / PTA
- PVC
- MVC

Sampling
piston valve
DN 6" / 8" x 3 / 4 "
- Class 300 -



Some of our worldwide clients

ASPELL POLYMERS

AMOCO

APPRYL

BATAAN POLYETHYLENE

BEIJING YANSHAN PETR. CO.

BP

CHEMOPETROL

CNPC

CPIC

E.C. VEBA

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

SNCG NCPP

SOFRESID

TECHNIP

UBE INDUSTRIES

UHDE INVENTA-FISCHER

YANGZI PETROCH. CORP.

YISHENG DAHUA PETROCHEMICAL

ZHANJIANG DONGXING OIL ENTERPRISE

ZHEJIANG HUALIAN SUNSHINE PETROCHEMICAL

26 rue Paul Girod - Z.I. Bissy
73000 Chambéry France

Tél : + 33 (0)4 79 44 59 00

Fax : + 33 (0)4 79 44 59 01

E-mail : info@guichon.com

www.guichon.com