**Guichon Valves** also has a special know-how in transfer line and deoxing line valves for steam cracking applications.

### Some of our worldwide clients

- **End users**
  - ADNOC
  - ANCAP
  - CHENNAI PETROLEUM
  - CHINA PETROLEUM
  - FORMOSA CHEMICAL FIBER COMPANY
  - IOCL
  - MOZYR REFINERY
  - PEMEX
  - PETROCHINA
  - PETRONOR
  - REPSOL
  - SHELL
  - SSANGYONG / S-OIL
  - TAMOIL
  - TOTAL
  - ...

- **Engineering Companies**
  - AXENS
  - ENGINEERS INDIA LTD
  - FLUOR DANIEL
  - FOSTER WHEELER
  - JGC
  - QAPCO
  - LARSEN & TOUBRO
  - MIGHTY ENGINEERING & TECHNOLOGY
  - MECANICA DE LA PENA
  - REPSOL
  - SAMSUNG ENGINEERING
  - SASOL TECHNOLOGIES
  - SINOP SINTEC
  - SK ENGINEERING
  - TECHNIP
  - TECNICAS REUNIDAS
  - VINCI TECHNOLOGIES

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www.guichon.com
Increase valves reliability in Reforming and FCC processes

Reforming regeneration loop
- Upper Surge Drum
- Catalyst Collector
- Catalyst Tight Valve (CCTV)
- Gas Tight Valve (CTGV)
- Lock Hopper
- Catalyst Tight Valve (CCTV)
- Gas Tight Valve (CTGV)
- Catalyst Regenerator

Catalyst draw-off system in Fluid Catalytic Cracking (FCC) applications
- Ball valve
  Type 355 CCTV Catalyst Tight Valve,
  Size 3” and 4” - class 300 - A351 CF8C
  Single acting pneumatic actuator with manual override + accessories
- Restriction orifice
  Size 3” - class 300
  Fabricated construction
  Stainless steel (321) - ceramic lining
- Gate valves for high temperature service
  Type 755
  Size 2” to 6” - class 150 to 600
  Fabricated construction
  Stainless steel (e.g. 321, 304...)
- Catalyst sampling device
  Type 100
  Size 3” - class 300 or 600
  Stainless steel (321)

Main requirements of FCC applications:
- resistance to abrasion
- high temperature suitability
- long life and reliability

25 years experience in catalyst applications

Our features include:
- All weldable high temperature materials
- Ceramic, concrete and full stellite linings allowing for longer service duration and improved safety.

Double slide valves for high temperature
- Type 258
- Size 1” to 8” - class 150 to 600
- Stainless steel (e.g. 321, 304...)

Image captions:
- Fluid Catalytic Cracking
- Increase valves reliability in Reforming and FCC processes
- 25 years experience in catalyst applications
- Our features include:
- Double slide valves for high temperature