

SINGLE SEALING

ISOLATION

Butterfly valve standard version DPX-DPAX
Low pressure drop - Flow on line without retention.

Butterfly valve between compact flanges DPX EBC-DPAX EBC

Automatic shut-off valve standard version DCX3
Fitted with pneumatic actuator single or double acting.
Interchangeability of the subassemblies.

Shut-off valve Fractional version DCX3 FRACT
Fitted with manual handle with visual opening indicator.
High leak-proof pressure.

Ball valve DBX-DBAX
Full or reduced bore.
For auxiliary lines.

ORIENTATION

Divert valve Standard version DCX4
Fitted with pneumatic actuator single or double acting.
Interchangeability of the subassemblies.

Divert valve Fractional version DCX4 FRACT
Fitted with compact pneumatic actuator single or double acting.
High leak-proof pressure.

Available in manual or automatic version (pneumatic actuator)

MIXPROOF

ISOLATION

Double sealing butterfly valve DPAX DE
Fitted with single or double acting pneumatic actuator.
Leak chamber valve. Inter-plug chamber connection to the atmosphere. Flow on line without retention.
Available with compact flanges DPAX DE EBC

Double sealing shut-off valve DCX3 DE
Fitted with 1 leak indicator and 1 optional cleaning microvalve.
Supports overpressurization under the plug, with release to the leak chamber.

Double sealing shut-off valve NEOS
Fitted with a flexible PTFE diaphragm, 1 leak indicator and 1 cleaning microvalve, optional.
Excluding the use of elastomer seals in contact with the process fluid. Physical barrier thanks to a PTFE diaphragm.

ORIENTATION

Double sealing divert valve DCX4 DE
Fitted with 1 leak indicator and 1 optional cleaning microvalve.
Supports overpressures under the plug, with release to the leak chamber.

Mixproof valve with two independent plugs VDCI MC PFA*
Fitted with double plugs with PFA floating seal, a main pneumatic actuator and a breakaway actuator.
Available in SP version "leak free opening"

Mixproof valve with two independent plugs Leak-free on opening VEOX
Fitted with a lower plug removable without tools and a sliding radial seal with stainless steel insert.
Interchangeable upper plug sealing solutions for the upper plug (PFA - elastomer - PEEK).
Main actuator and break-away actuator ensuring immediate response of the plugs.
Modular, suitable for all types of processes. PEEK version for extreme operating conditions up to 13 bars.

VDCI MC / VEOX: Physical cutoff between two circuits. Resistance against severe constraints on line. Balancer offering resistance to waterhammer.

*Mixproof available in PMO-c version (fitted with an intermediate PEEK plug, 3 identical sliding O-rings on each plug avoiding risk of mixing)

ASEPTIC

ISOLATION

Aseptic diaphragm valve DMX-DMAX
Fitted with a plastic or stainless steel handle with visual opening indicator.
Flow without retention.
Flow diameter kept constant. Reduced pressure drop.
Available in automatic version (single or double acting actuator)

Flush aseptic diaphragm valve with cleaning nozzle DMAX
Fitted with perforated cleaning nozzle and PTFE diaphragm.
Safe cleaning and easy maintenance.

ORIENTATION

Aseptic shut-off diaphragm valve DCX3
Fitted with PTFE diaphragm providing a physical barrier between the inside of the valve and the external environment.
Interchangeability of the subassemblies.

Shut-off valve with aseptic bearing DCX3
Fitted with aseptic guide bearing for steam or fluid flow.
Ensures sterilization of the parts in contact with the external environment.
Available with aseptic and cooling bearing

Double sealing shut-off valve NEOS
Fitted with a flexible PTFE diaphragm, 1 leak indicator and 1 cleaning microvalve, optional.
Excluding the use of elastomer seals in contact with the process fluid. Physical barrier thanks to a PTFE diaphragm.

Shut-off valve with alcohol barrier DCX3
Fitted with PTFE flexible sealing diaphragm.
Available up to DN 250.

ORIENTATION

Aseptic mixproof valve with two independent plugs VDCI MC
Double plugs with PFA floating seal and a sterile barrier.
Guaranteed sterilization of the leak chamber by steam flash or sterile air flow.

REGULATING

ISOLATION

Regulating butterfly valve DPAX regul
Simple regulation (multi-position opening).

Regulating shut-off valve DCX3 regul
Fitted with 4/20mA positioner, to regulate flow.
Small in size. Facility to program its electronics.

Profiled plug
Profiled plug reduced cross section
Profiled plug very reduced cross section
Tight plug
Tight plug reduced cross section
Tight plug very reduced cross section

SAMPLING

ISOLATION

Sampling valve 1 outlet ; flame sterilization PEX1-PEAX1
Various possible connections (including mini and micro-clamp).

Sampling valve 2 outlets ; steam injection sterilization or cleaning with a sterilizing agent PEX2-PEAX2
Various possible connections (including mini and micro-clamp).

Available in manual version (plastic or stainless steel handle) or automatic (compact pneumatic actuator with or without a removable stainless steel lever. It can be fitted with a control top)

Aseptic diaphragm sampling valve DMX PE - DMAX PE
Fitted with a PTFE diaphragm.
Physical barrier. Washing and sterilization by circulation inside the valve.
Available in manual version (plastic or stainless steel handle) or automatic (single or double acting pneumatic actuator)



MEETING YOUR PROCESS REQUIREMENTS

TANK EQUIPMENT

ISOLATION

Butterfly valve Flush version DPAX
Fitted with a wedge-shaped flange suitable for powder and viscous products applications.
Retention areas minimized.
Powder flow facilitated.

Single sealing tank bottom shut-off valve DCX3 FdC
Flush rising or lowering plug.
Long stroke or with complete clearance of the plug for fragile or viscous products, or products with particles.

Cleaning diaphragm shut-off valve Flush version DCX3
Fitted with a cleaning ball and a PTFE diaphragm.
Closest possible cleaning of equipment inside the tank.

Tank bottom mixproof with two independent plugs VDCI MC FdC
Fitted with machined flange and controlled leak microvalve.
Secure physical barrier between the tank and the process. Flush lowering plug for viscous products.

Sampling valves PEX1-PEAX1: 1 outlet ; flame sterilization PEX2-PEAX2: 2 outlets ; steam injection sterilization or cleaning with a sterilizing agent
Various possible connections (including mini and micro-clamp).

Single sealing tank bottom shut-off valve for powder application DCX3 FdC
Plug completely clears the valve orifice to facilitate powder flow.

Cleaning diaphragm shut-off valve Flush aseptic version DCX3
Fitted with a perforated cleaning nozzle, a leak indicator and a PTFE diaphragm.
Safe cleaning.

Hygienic safety air vent AVX1
Full opens air vent
Pressure 0,1 to < 0,5 bar
Vacuum from 0,5 mbar.
Tank protection against vacuum and overpressure, optimising line and equipment cleaning.

Tank top module
Various protecting and cleaning devices mounted on a flange.
Canalized and cleanable by forced opening.

ORIENTATION

PROTECTING DEVICE

ISOLATION

Adjustable relief shut-off valve DCX3
Fitted with standard or balanced plug.
High response accuracy in case of overpressure.
Precise adjustment of the setpoint value.
Available in fractional version

Shut-off valve Relief version with additional air DCX3
Fitted with special spring inside the actuator and a control top with pressure reducer.
Shedding load from the main circuit by predefined pressure to protect closest equipment.

3 functions shut-off valve DCX3
Control top with a pressure reducer.

Adjustable relief valve
Fitted with stainless steel removable handle.
Calibration from 0 to 13 bars according to the spring.

Preset relief valve
Cover to protect the preadjusted setting.
Calibration from 0 to 13 bars according to the spring.

Vacuum pressure relief valve
2" compact version or 4" version with device for manual forced opening.
No chocking thanks to PTFE plug and VMQ seal.

Non return valve CAR
Full bore.
Low pressure drop.
Available in metal/metal version or between flanges

ORIENTATION

PIGGING

ISOLATION

Shut-off valve Double sealing DCX3 DE
Used as a block-plug on piggable lines.
Line can be cleaned without risk of pollution of the equipment.

Mixproof valve Piggable version VDCI MC
Based on technology of mixproof valve with leak chamber.
Reduced leakage chamber which limits sediments and facilitates the cleaning.

ORIENTATION

Single secured pigging stations Non crossing-body version

Double secured pigging stations Crossing-body version
Double secured pigging stations Crossing-body version.
Physical barrier between two different products without any risk of mixing.

Many modular possible configurations and options. Can be easily adapted to various processes. Fitted with security devices (sensor - manual decompression valve, ...).
Increasing operational flexibility and fine operating time. Reducing downtime.

PIGGING STATION

INJECTION

ORIENTATION

Injection mixproof valve with two independent plugs VDCI MC
Based on piggable mixproof valve.
Perfectly cleanable. No risk of mixing between the secondary line for injecting a syrup or dye and the main line carrying the basic flow.

Injection solution STARMANIFOLD
Non-interchangeable injection valves.
Injection through the main pipe wall.

Injection solution STARWHEEL
Interchangeable injection valves.
Customizable injection system.
Combining multi injection points.

SPECIFIC

ISOLATION

Automatic butterfly valve electric version DPAX
Fitted with an electric actuator.
Low pressure drop.
Flow on line without retention.

Metal / metal shut-off valve DCX3
Fitted with single or double actuator. Plug and body pairing.
Suitable for crystallized products.

High pressure shut-off valve DCX3
Automatic (single acting actuator) with balanced plug.
Waterhammer effects minimized thanks to the balanced plug. Working pressure > 12 bars.

Dosing shut-off valve DCX3
Fitted with a plunging cane.
Dosing small flow / high flow.

Long stroke shut-off valve DCX3
Single or double acting pneumatic actuator. Extended actuator and plug.
Plug completely clears the valve orifice. Suitable for fibrous products or with particles.
Available in tank bottom version

REMOTE VALVE COMMAND, CONTROL AND FEEDBACK

Definox control tops are available in a variety of versions:

- Point-to-point, with terminal block
- AS-1 2.1 or 3.0 module
- Multi-voltage module
- Linear sensor
- ATDX version

The resinated electronic modules give the ICS - ACS tops unique characteristics in terms of strength and protection of the components.

