

Product Training



New KP Series Total Separation Solenoid valve







Agenda

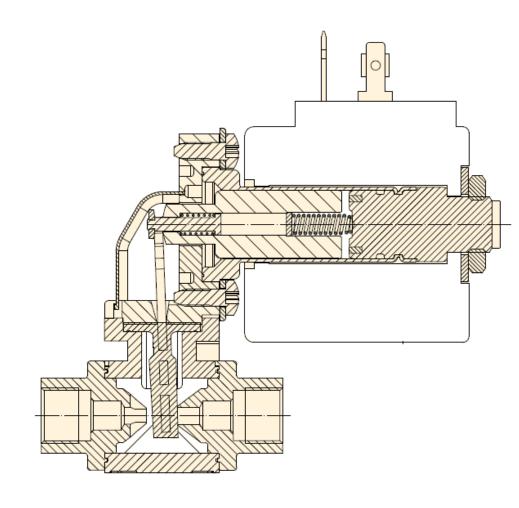
- What's a total separation valve?
- Technical characteristics
- Production process
- Certifications
 - UL
 - VDE
 - NSF
- Applications
- Competitors







- Fully developed in ODE
- Different design
- In line orifices
- Lever Control System
- Simple and reliable Design









- Different Materials
 - Polysulfone
 - Silicon
 - EPDM (on development)
 - VITON (on development)
- Sonic welding system
- As usual 100% test
- Safety Factor: 5









- Flow: 3,2 & 4 L/min
 - 2/2 NC Kv 3,2
 - 3/2 Diverting Kv 4,0
- In line orifices
- Silicon Sealing
 - Viton (on development)
 - EPDM (on development)
- Latching system available









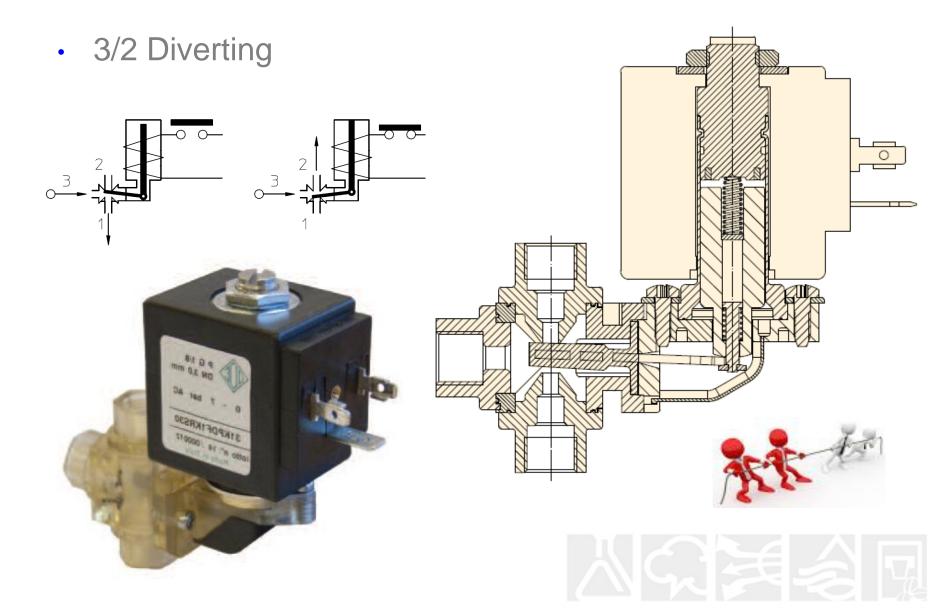
- Connections
 - G 1/8" Female STD
 - G 1/8" Male on Demand
 - Hose Tail 6x4 on Demand
- Functions
 - 2/2 N.C. (3-6 bar)
 - 3/2 Diverting (4-7 bar)
 - 2/2 N.O. (coming soon)
 - 3/2 Selecting (coming soon)
- Piloting separated from fluid
- Available for sterilized or aggressive fluids













Production Process

- Well known Technology
- New @ ODE
- Widely used in the home appliances
- Not used in the industrial valves







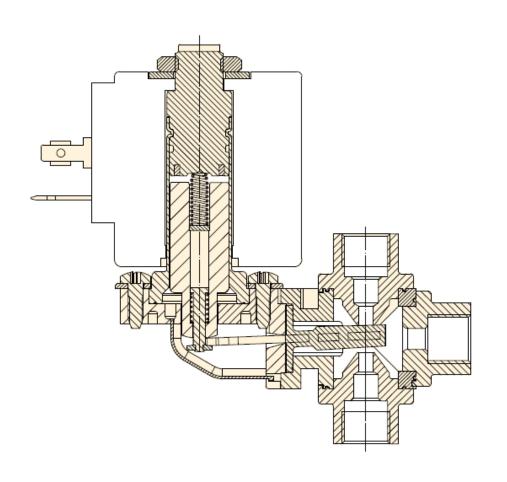




Certifications

- NSF
- UL & CSA
- Materials certified
- Sealing approved
- Temperatures:
 - -10°C ->100°C
- LCT
- Thermal Cycling









Pressurize or move a fluid ... without contaminations...

Washing plants and sterile rooms:

- Aggressive fluids
- Guarantee of purity
- Controlling or deviating the fluid
- Avoid contamination
- Cip
- Washing processes









Agriculture – Milking plants

- Automatic plant
- Employers costs
- Fluid temperature
- Avoid contamination











Medical Sector – Sterilizers

- Sterilized fluid & sterilizers
- Process / Product Criticality
- Fluid at ambient temperature
- Avoid contamination
- Fluid without contamination
- Aggressive fluids











Agriculture

- Fertilizers
- Aggressive fluids
- Dosing (costs)
- · Green world













Vending

- Drink dispensers
- Juices
- Mixture of concentrates
- Water management















Food - Dosing

- Packaging
- Nobile Gases N₂, He₂ etc...
- End use date
- Food essences















ODE thanks...



for the attention



solenoid valves