Low pressure cryogenic line valves, bellows seal type, for high purity reactive gases, pneumatically actuated

KEY FEATURES
- Reduced level of particule emission
- Fully contained seat
- Electronic shooting or laser welded bellows ensure high leak tightness integrity
- Metal to metal sealing to atmosphere
- Reduced gas absorption and desorption from seal material
- Secondary sealing through NITRILE packing prevents atmospheric contamination in case of bellows failure
- Checkport allows on line monitoring of bellows tightness
- Visual indication of valve position (open/closed)
- Cryogenic application
- Normally closed (NF)
- Actuator operating pressure: 5-7 bar

STANDARD SPECIFICATION
- Working pressure $p_{max}$: 30 bar/435 psi
- Temperature range: -200°C to +100°C
- Helium leak rate
  - internal: $10^{-9}$ mbar/sec
  - external: $10^{-9}$ mbar/sec
- Flow coefficient $C_v$: K905: 0.72, K908: 0.78
- Nominal seat diameter: 6-8 mm
- Weight: 1 kg
- Material
  - body: 316 L
  - bellows: 316 L
  - seat: PCTFE
  - actuator: anodized aluminium (black or white (HP))
**BASIC MODELS**

- Butt weld connections
- Surface finish Ra 0.4 μm
- HP cleaning
- Passivation
- Back mounting (M8)

**OPTIONS**

- Purge ports male GAZEL®/VCR® 1/4"
- GAZEL®/VCR® connections
- Electropolished surfaces Ra 0.2 μm or 0.4 μm (ex: EP 0.2)
- Body brass (L)
- Vespel seat, stainless steel seat
- Back panel mounting
- Electric or pneumatic limit switches
- Normally open (NO)

**ORDERING**

When ordering, please specify:
- Series number
- Connections
- Type of gas
- Example: K908 PP50 - NF-J/K - MGAZEL®/VCR® 1/2" - MGAZEL®/VCR® 1/2" - MRE2 - Nitrogen

(See attached order template)