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

**KEY FEATURES**
- Reduced level of particulate emission
- Fully contained seat
- Double walled, 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

**STANDARD SPECIFICATION**
- Working pressure $p_{\text{max}}$: 30 bar/435 psi
- Temperature range: -200°C to +100°C
- Helium leak rate:
  - Internal: $10^{-9}$ mbarl/sec
  - External: $10^{-9}$ mbarl/sec
- Flow coefficient $C_v$
  - K905: 0.72
  - K908: 0.78
- Nominal seat diameter: 6.8 mm
- Weight: 0.7 kg
- Material:
  - Body: 316 L
  - Bellows: 316 L
  - Seat: PCTFE
### BASIC MODELS
- Butt weld connections
- Surface finish Ra 0.4 μm
- Cleaning according to ST-017
- 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)
- Brass body (Ref: L)
- Vespel seat, stainless steel seat
- Front or back panel mounting (Ref: FT or FP)
- Electric or pneumatic limit switches (Ref: MRE2 or MRP1)

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

(See attached order template)