Low pressure multiturn valves, bellows seal type, for high purity fluids, manually actuated

KEY FEATURES
- Reduced gas absorption and desorption from seal material
- Fully contained seat
- Electronic shooting or laser welded bellows ensure high leak tightness integrity
- Metal to metal sealing to atmosphere
- Checkport allows on line monitoring of bellows tightness

STANDARD SPECIFICATION
- Working pressure $p_{max}$: 30 bar/435 psi
- Temperature range: -20°C to +80°C
- Helium leak rate at $p_{max}$:
  - internal: $10^{-9}$ mbarl/sec
  - external: $10^{-9}$ mbarl/sec
- Flow coefficient $Cv$: 2.7 - 34
- Nominal seat diameter: 12 - 50 mm
- Weight: 1.5 - 12.2
- Material:
  - body: 316 L
  - bellows: 316 L
  - seat: PCTFE
**BASIC MODELS**
- Butt weld connections
- Surface finish Ra 0.4μm
- High purity cleaning
- Passivation

**OPTIONS**
- Working pressure: 100 bar (1450 psi) for K 320
- GAZEL */VCR® connections
- Purge ports right or left, male GAZEL */VCR® 1/4" or 3/8", caps
- Electropolished surfaces Ra 0.2 μm or 0.4 μm (ex: EP 0.2)
- Microcleaning for high purity application according
- Vespel seat - Stainless steel seat, others on request
- Back panel mounting (only K312 and K320)
- Brass body

**ORDERING**
When ordering, please specify:
- Series number
- Connections
- Type of gas
- Example: K312 - I/K - MGAZEL */VCR® 1/2" - MGAZEL */VCR® 1/2" - EP 0.4 - Nitrogen (See attached order template)

**CHARACTERISTICS**
See Valve Sizing Guide

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