



SELFA

A total component solution, from source to process

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



312 MI-380 MI



KEY FEATURES

- Reduced level of particule emission
- Small 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
- Secondary sealing through Elastomer packing prevents atmospheric contamination in case of bellows failure
- Checkport allows on line monitoring of bellows tightness
- Visual indication of valve position (open/closed)
- No rubbing

STANDARD SPECIFICATION

Working pressure pmax	30 bar/435 psi (K380MI: 15 bar)
Temperature range	-20°C to +80°C
Helium leak rate	at pmax:
• internal	10 ⁻⁹ mbarl/sec
• external	10 ⁻⁹ mbarl/sec
Flow coefficient Cv	2.83 - 14.5
Nominal seat diameter	12 - 80 mm
Weight	1.6 - 33
Material	
• body	316 L
• bellows	316 L
• seat	PCTFE



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BASIC MODELS

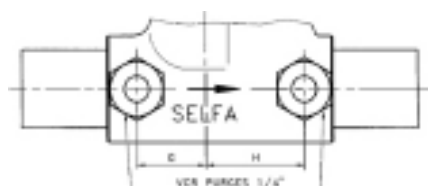
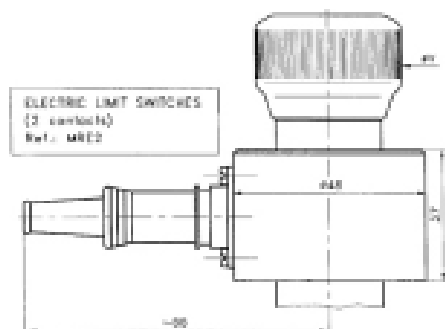
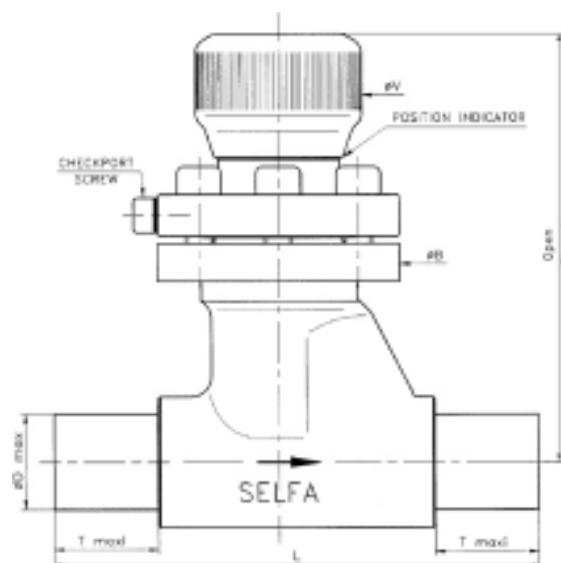
- Butt weld connections
- Surface finish Ra 0.4µm
- High purity cleaning
- Passivation

CHARACTERISTICS

See Valve Sizing Guide

OPTIONS

- GAZEL®/VCR® connections
- Electropolished surfaces Ra 0.2 µm or 0.4 µm (ex: EP 0.2)
- Body brass (except K380)
- Purge ports right or left, male GAZEL®/VCR®
- Microcleaned for ultra high purity application according
- Vespel seat, stainless steel seat, other s on request
- Front or back panel mounting (Only K312 and K320) (Ref: FP)
- pElectric limit switches (Ref: MRE2)



ORDERING

When ordering, please specify:

- Series number
- Connections
- Type of gas
- Example: K312 MI - I/K - MGAZEL®/VCR®1/2" - BWO 1/2" - EP 0.4 -Oxygen (See attached order template)

Inlet - Outlet



www.rotarex.com

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**ISO 9001
CERTIFIED**

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