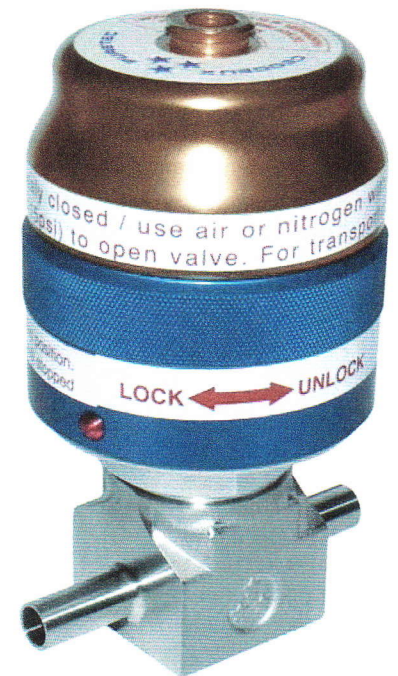


CEODEUX PURETEC

High flow line valves, tied diaphragm seal type, for ultra high purity corrosive gases



APPLICATION

see gas list in annex table

KEY FEATURES

- Tied diaphragm design with minimal gas wetted volume.
- Combined soft and metal seat design with low permeation rate.
- Positive operation due to mechanical link of the upper and lower spindle.
- Threaded weep hole for pipe away connection.
- Strong closing force with the use of a hydraulic amplifier

STANDARD SPECIFICATION

Working pressure p max	200 bar / 3000 psi
Temperature range	-40 °C (-40°F) to + 65 °C (149°F)
Helium leak rate at p max	
• internal	10 ⁻⁸ mbar.l/s
• external	10 ⁻⁸ mbar.l/s
• safety	10 ⁻⁸ mbar.l/s
Flow coefficient Cv	0,5
Seat orifice size	6 mm
Gas wetted materials	see table on backside
Actuator air pressure	5-7 bar (72-100PSI)

DESIGN VARIANT

Seat disc materials: PVDF, PI (VespeI®)

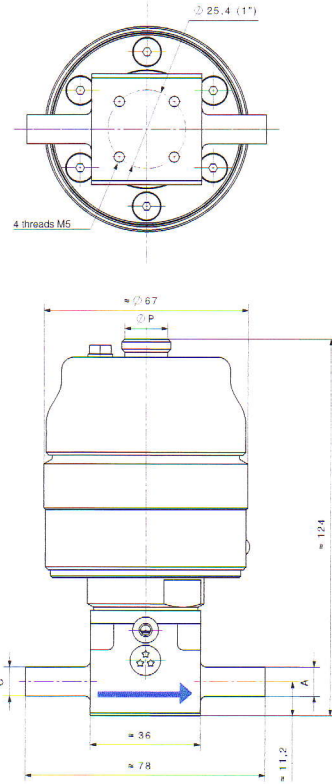
OPTIONS

- Alternative body materials (Hastelloy®)
- electrochemically polished
- Clean room assembling
- O-ring for -40°C(-40°F)
- Inductive proximity switch => air connexion must be M5

REQUEST FOR QUOTATION

please specify using product definition sheet Fr03.5.05.002

- gas service / Working pressure
- valve material
- Inlet & outlet connections (A & C acc. to national standard)
- P Air pressure connection
- Surface treatment
- Packaging and conditioning



Connections:

- A outlet
- C inlet
- P Air pressure connection (M5 or 1/8" NPT or G1/8)

GAS WETTED MATERIALS

BODY	DIAPHRAGM	LOWER SPINDLE	SEAT DISC
AISI 316L	Hastelloy®	<u>STANDARD VALVE</u>	PCTFE
		<u>OPTIONAL (please contact us before ordering)</u>	PVDF PI (VespeI®)
		Nickel	
		Hastelloy®	