The Multi Instruments Isovent Valve is a needle pattern valve with a non-rotating spindle tip, ensuring a positive bubble tight shut-off function.

Standard valves in stainless steel are suitable for most process applications, however for severe applications, needle valves in "exotic" materials are available.

Maximum working pressure is 420 Bar (AISI316)
Maximum temperature is 200°C (PTFE packing)

Design Features
- Self aligning metal seats
- Compact Design
- Non-rotating spindle tip
- Metal seal between body and bonnet
- Bonnet Locking pins
- Safety back seating T-Bar and Anti-Tamper operated valves
- Full traceability of all materials
- 100% pressure tested

Options
- Anti tamper facility with a removable T-bar key to prevent unauthorized operation of the valve.
- Sour Gas Service
- Oxygen Service
- Available in Monel, Hastelloy, Duplex or NACE compliant materials.
- High temperature up to 450°C (Graphoil packing)
- High pressure up to 680 Bar

Connections
See ordering information on the back of this specification sheet for port connection types available.

Call us at +31 (0) 183 62 88 88, or email to instrumentation@multi-instruments.com for additional information, or visit us at www.multi-instruments.com

July 31, 2013
Model IV02

Model number selection guide

Process Connector Options
- N02 3/8" NPT
- N03 1/2" NPT
- BW03 1/2" Butt weld Sch80
- BW04 3/4" Butt weld Sch80
- X Special

NOTES
* Vent port is 1/4" NPT Thread.

Valve Operation Mode
- TP T-Bar PTFE
- TG T-Bar Graphoil
- AP Anti-Tamper PTFE
- AG Anti-Tamper Graphoil
- YP Mixed PTFE
- YG Mixed Graphoil

NOTES
* PTFE <200°C, Graphoil <450°C

Valve Options
- OS Oxygen Service

Material
- SG AISI316L NACE compliant
- M Monel 400
- H Hastelloy C276
- D Duplex
- SD Super Duplex
- INC Incoloy 825
- INC625 Incoloy 625

Model Description
- IV02 Isovent Valve Direct mount

Temperature / Pressure ratio for AISI316 acc. ASME B16.34
Table 2.2.2A Standard Class

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