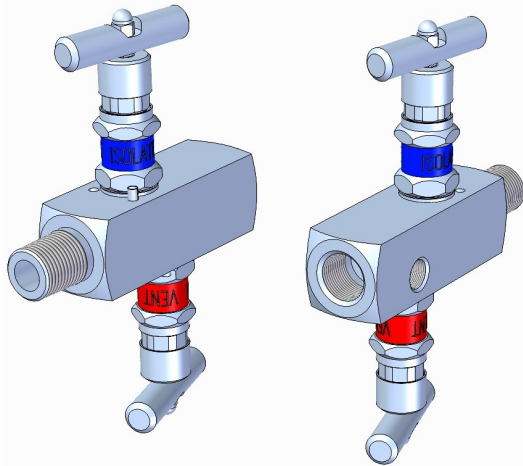


## Model IV02



### 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 optional Anti-Tamper operated valves
- Full traceability of all materials
- 100% pressure tested (1,5 x MWP)

### Description

#### **The Multi Instruments Isovent Valves**

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

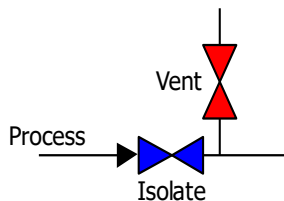
Standard valves in stainless steel are suitable for most process applications, however for severe applications, needle valves in "exotic" materials are available.

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

### Options

- Anti tamper facility with a removable T-bar key to prevent unauthorized operation of the valve.
- Sour Gas Service
- Oxygen Service
- Available in e.g. Monel, Hastelloy, Duplex, Super Duplex, Alloy 825, Alloy 625 materials.
- (NACE MR01-75 compliant)
- High temperature up to 450°C (Graphite packing)
- High pressure up to 680 Bar (10.000 psi)
- Optional: Fire safe OS&Y Primary valve

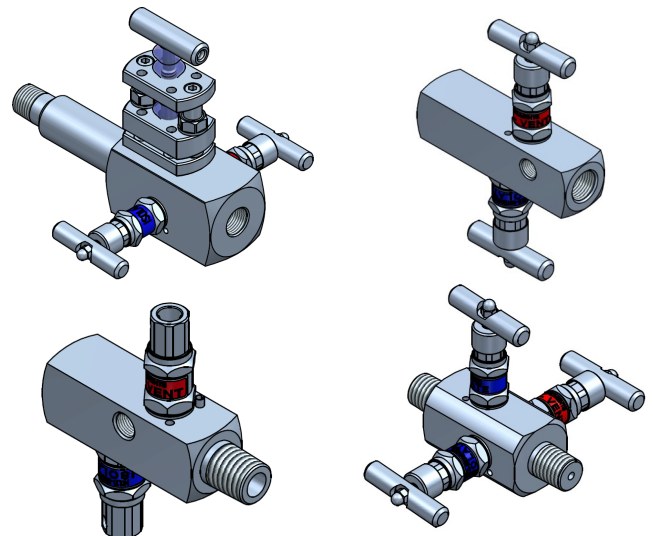
### Valve Diagram



### Connections

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

### Configurations



Head Office: ☎ +31 (0)183 62 88 88 or ✉ to: [instrumentation@multi-instruments.com](mailto:instrumentation@multi-instruments.com)

US + Canada: ☎ +1 587 269 49 88 or ✉ to: [solutions@multi-instruments.com](mailto:solutions@multi-instruments.com)

for additional information: 🌐 [www.multi-instruments.com](http://www.multi-instruments.com)

## Model IV02

### Model number selection guide

IV02

.OSY

.SG

.N04M

.03NF

.TP

.EXT75

#### Process Connection Options:

- .N01M/F 1/4" NPT Male or Female
- .N02M/F 3/8" NPT Male or Female
- .N03M/F 1/2" NPT Male or Female
- .N04M/F 3/4" NPT Male or Female
- .BP01M/F 1/4" BSP.P (G1/4")
- .BP02M/F 3/8" BSP.P (G3/8")
- .BP03M/F 1/2" BSP.P (G1/2")
- .D03M 1/2" BSP.P male (EN837-1)
- .BW03 1/2" Butt weld Sch80
- .PE03 1/2" Plain End (male SW)

#### Output Options:

- .01NM/F 1/4" NPT Male or Female
- .02NM/F 3/8" NPT Male or Female
- .03NM/F 1/2" NPT Male or Female
- .04NM/F 3/4" NPT Male or Female
- .01BPM/F 1/4" BSP.P (G1/4")
- .02BPM/F 3/8" BSP.P (G3/8")
- .03BPM/F 1/2" BSP.P (G1/2")
- .03DF 1/2" BSP.P fem. (EN837-1)
- .03DM 1/2" BSP.P male (EN837-1)
- .03SW 1/2" Socket weld
- .04SW 3/4" Socket weld

#### Material (wetted parts):

- .SG AISI316/L NACE
- .M Alloy 400 (Monel)
- .H Alloy C276 (Hastelloy)
- .INC825 Alloy 825
- .INC625 Alloy 625
- .D Duplex
- .SD Super Duplex
- .6M0 254SMO / 6Mo

#### Valve Operation Mode

- .TP T-Bar valve heads - PTFE packing
- .TG T-Bar valve heads - Graphite packing
- .AP Anti-Tamper valve heads - PTFE packing
- .AG Anti-Tamper valve head - Graphite pack.
- .YP Mixed valve heads - PTFE
- .YG Mixed valve heads - Graphite

#### NOTES

- \* PTFE <200°C, Graphite <450°C
- \* Vent is 1/4" as default.

#### Optional Primary Valve Type

- .OSY OS&Y Valve (Fire Safe)  
(Default: T-bar valve head)

#### Model Description

- IV02 Isovent Valve  
IV02.SG.N03.TP
- IV02.DBB Isovent Valve with  
Double Isolate  
IV02.DBB.SG.N03.TP

#### Extra Valve Options

- .EXT50 50mm extension of the valve
- .EXT75 75mm extension of the valve
- .TST 1/4" female test port (optional: 1/2")
- .LB 10mm Large Bore Internal Drilling
- .OS Cleaned for Oxygen Service

NOTE: Butt Weld connection=sch80(standard)  
or sch160(NON standard)

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