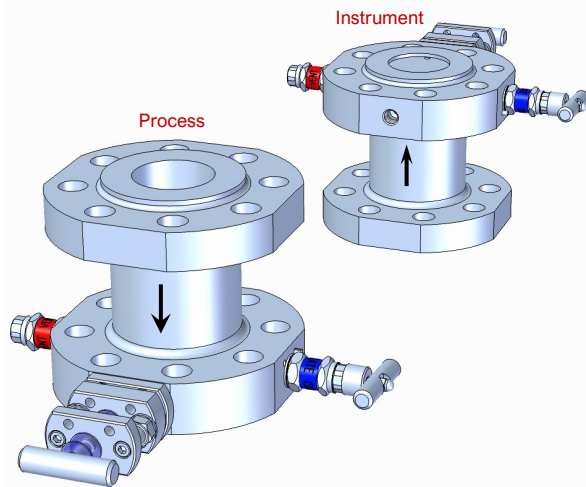


## Model MP01 "Double Flange"



### 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
- Fire safe OS&Y Primary valve
- Full traceability of all materials
- 100% pressure tested (1,5 x MWP)

### Description

#### **The Multi Instruments Slimline Monoflange Manifold**

This slimline monoflange is designed to replace the primary and secondary Process valve assemblies which are usually needed on remote seal (P and dP) pressure measurements.

It is a combination of the primary process isolation valve (OS&Y), an optional bleed and optional secondary valve, and an integrated drip ring, all integrated in one piece body.

The main advantages are less leaking points, weight saving and reduction in installation and maintenance time and costs.

This model is a reversed MP00, eliminating any volume from the MP00 design between block valves and membrane.

### Options

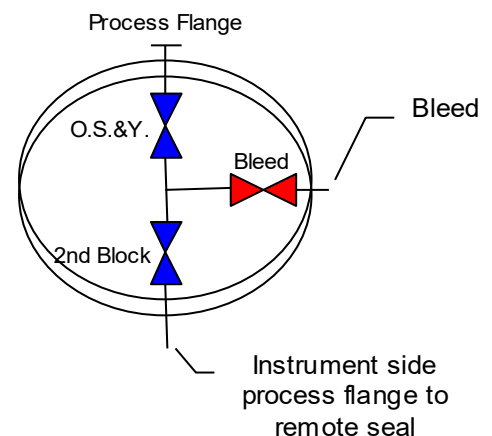
- Flanges according ANSI, EN1092-1 and JIS
- Flange sizes from 1/2"(DN15) up to 3"(DN80)
- Pressure rating from 150# up to 2500#
- Available in e.g. Monel, Hastelloy, Duplex, Super Duplex or Alloy 825/625 compliant materials
- High temperature up to 450°C (Graphite packing)
- High pressure up to 10.000 PSI
- Fugitive Emission design (class AH)

### Connections

As default: Vent and/or test ports will be 1/4" thread size.

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

### Valve Diagram



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## Model MP01 "Double Flange"

### Model selection guide

Process flange    Instrument flange

MP01 . DBB . OSY . SG . A0610 . 0610A . YP . YG.FE . LB

**Pressure Rating**

- **01** 150# / PN6
- **03** 300# / PN10
- **06** 600# / PN16
- **09** 900# / PN40
- **15** 1500# / PN100
- **25** 2500#
- ALP 150-600#
- AHP 900-2500#

**Flange Size**

- **03** 1/2" - DN15
- **04** 3/4" - DN20
- **05** 1" - DN25
- **07** 1 1/2" - DN40
- **10** 2" - DN50
- **20** 3" - DN80

**Flange Standard**

- .A ANSI
- .D DIN (EN 1092-1)

**Manifold Valve(s) Operation Mode**

- .YP Mixed PTFE seal
- .YG Mixed Graphite seal
- .TP All T-Bar PTFE seal
- .TG All T-Bar Graphite seal

**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

**NOTES**

- \* OS&Y is always T-Bar/Graphite
- Mixed(YP/YG): only Vent/Bleed is Anti-Tamper
- \* PTFE <200°C, Graphite <450°C
- \* This valve is used for remote seal Instruments, although stand-alone operation is also possible.

**Primary Valve Type**

- .OSY OS&Y Valve
- .NVP Needle Valve PTFE
- .NVG Needle Valve Graphoil

**Additional options**

- .YG.FE Fugitive Emission Design, class AH
- .LB Large Bore internal drillings (10mm)

**Primary Valve(s) Function**

- .SB Single Block
- .SBB Single Block/Bleed
- .DB Double Block
- .DBB Double Block/Bleed
- .DBV Double Block/Vent<sup>(1)</sup>

**Manifold Function**

- MP01 No additional manifold function