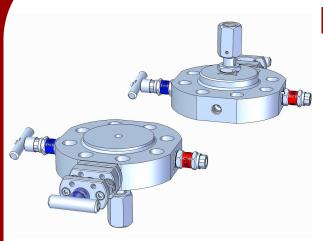


# Instruments Slimline Process Monoflange Manifolds

# Model MP21 "Pancake"



# **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 for Gauge pressure instruments with a threaded connection.

Included: Adjustable adapter for 360° positioning

Option: integral syphon

of manometer or instrument.

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

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

# **Options**

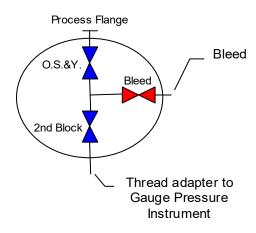
- Flanges according DIN (EN1092-1) and ANSI
- Flange sizes from 1/2"(DN15) up to 3"(DN80)
- Pressure rating from 150# up to 2500#
- Available in e.g. Monel, Hastelloy, Duplex or Alloy 825/625 compliant materials
- High temperature up to 450°C (Graphite packing)
- High pressure up to 10.000 PSI

### Connections

Vent and/or test ports will always be 1/4" thread size, independent of process connection sizes.

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

## Valve Diagram



Head Office: ← +31 (0)183 62 88 88 or ☑ to: instrumentation@multi-instruments.com

US + Canada: +1 587 269 49 88 or ⋈ to: solutions@multi-instruments.com

> for additional information: (2) www.multi-instruments.com



# **Ordering information**

# Model MP21 "Pancake"

# Model selection guide

ΥP MP21 **DBB OSY** SG A0610 03NM DP FE

#### **Pressure Rating**

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

#### Flange Standard

- .A
  - DIN (EN1092-1) .D

#### Material (wetted parts):

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

#### **Primary Valve Type**

- .OSY OS&Y Valve (Fire Safe)
- .NVP Needle Valve PTFE
- .NVG Needle Valve Graphite

#### 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**

MP21 Isolate/Vent manifold function

### Flange Size

- 03 1/2" - DN15 04
- 3/4" DN20 1" - DN25 05
- 07 11/2" - DN40 2" - DN50 10
- 3" DN80 20

#### **Instrument Adapter Options**

- .03NM 1/2" NPT Male adapter
- .03NF 1/2" NPT Female adapter
- .03DF 1/2" BSP.P Female adapter (EN837-1)

Adjustable adapter for 360° positioning of manometer or instrument.

# Manifold Valve(s) Operation Mode

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

- OS&Y is always T-Bar/Graphite, Mixed only Vents/Equalize are Anti-Tamper.
- \* PTFE <200°C, Graphite <450°C
- (1) Vent valve positioned after second block valve.

#### **Additional options**

- Fugitive Emission Design, class AH YG.FE
- DP Dual instrument port (Axial - Radial) (Spare plug for second port included)
- SY **Integral Syphon**

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