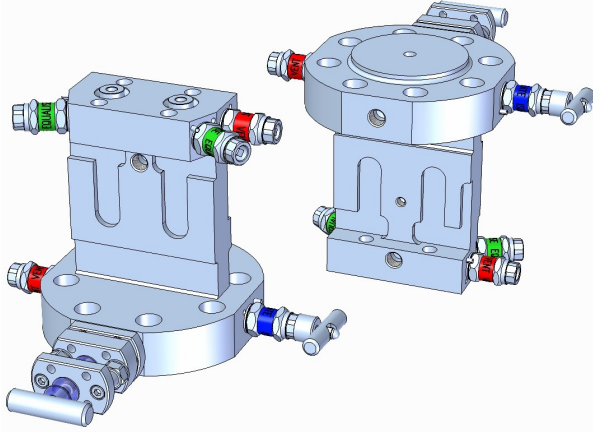


## Model MD59



### 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 Flow/dP/Level close coupled manifold is designed to replace all standard valve assemblies which are usually needed for a differential pressure measurement into one single monoflange/manifold.

It is a combination of the primary process isolation valve (OS&Y), a bleed, secondary valve and a double block/equalize/vent configuration, all integrated in one piece body.

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

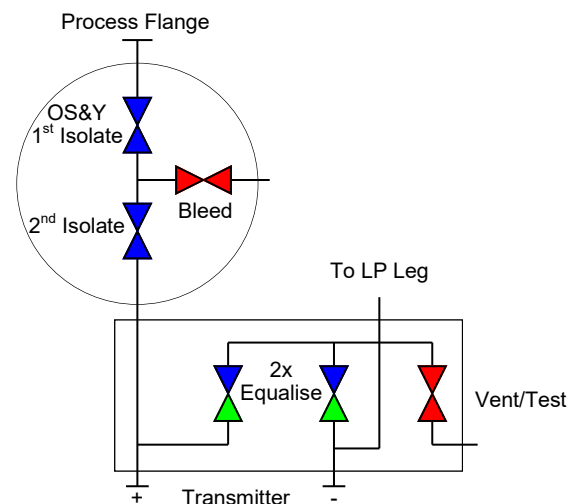
### Options

- Flanges according ANSI, EN1092-1 and JIS
- Flange sizes from 1/2"(DN15) up to 3"(DN80)
- Direct mounted transmitter connections and also Rosemount Integral mount / coplanar style.
- 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

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](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 MD59

### Model selection guide

MD59	.DBB	.OSY	.SG	.A0610	.ISO	.03N	.YP	.YG.FE
------	------	------	-----	--------	------	------	-----	--------

<p><b>Pressure Rating</b></p> <ul style="list-style-type: none"> <li>• <b>01</b> 150# / PN6</li> <li>• <b>03</b> 300# / PN10</li> <li>• <b>06</b> 600# / PN16</li> <li>• <b>09</b> 900# / PN40</li> <li>• <b>15</b> 1500# / PN100</li> <li>• <b>25</b> 2500#</li> <li>• ALP 150-600#</li> <li>• AHP 900-2500#</li> </ul>	<p><b>Flange Size</b></p> <ul style="list-style-type: none"> <li>• <b>03</b> 1/2" - DN15</li> <li>• <b>04</b> 3/4" - DN20</li> <li>• <b>05</b> 1" - DN25</li> <li>• <b>07</b> 1 1/2" - DN40</li> <li>• <b>10</b> 2" - DN50</li> <li>• <b>20</b> 3" - DN80</li> </ul>
<p><b>Flange Standard</b></p> <ul style="list-style-type: none"> <li>• .A ANSI</li> <li>• .D DIN (EN1092-1)</li> </ul>	<p><b>Instrument Interface</b></p> <ul style="list-style-type: none"> <li>• .ISO DIN19213 part 2</li> <li>• .IM Integral Mounting</li> </ul>
<p><b>Material (wetted parts):</b></p> <ul style="list-style-type: none"> <li>• .SG AISI316/L NACE</li> <li>• .M Alloy 400 (Monel)</li> <li>• .H Alloy C276 (Hastelloy)</li> <li>• .INC825 Alloy 825</li> <li>• .INC625 Alloy 625</li> <li>• .D Duplex</li> <li>• .SD Super Duplex</li> </ul>	<p><b>LP Port Connector Options</b></p> <ul style="list-style-type: none"> <li>• .01N 1/4" NPT Female</li> <li>• .02N 3/8" NPT Female</li> <li>• .03N 1/2" NPT Female</li> <li>• .01BP 1/4" BSP.P Female</li> <li>• .02BP 3/8" BSP.P Female</li> <li>• .03BP 1/2" BSP.P Female</li> </ul>
<p><b>Primary Valve Type</b></p> <ul style="list-style-type: none"> <li>• .OSY OS&amp;Y Valve</li> <li>• .NVP Needle Valve PTFE</li> <li>• .NVG Needle Valve Graphite</li> </ul>	<p><b>Manifold Valve(s) Operation Mode</b></p> <ul style="list-style-type: none"> <li>• .YP Mixed PTFE seal</li> <li>• .YG Mixed Graphite seal</li> <li>• .TP All T-Bar PTFE seal</li> <li>• .TG All T-Bar Graphite seal</li> </ul>
<p><b>Primary Valve(s) Function</b></p> <ul style="list-style-type: none"> <li>• .SB Single Block</li> <li>• .SBB Single Block/Bleed</li> <li>• .DB Double Block</li> <li>• .DBB Double Block/Bleed</li> </ul>	<p><b>NOTES</b></p> <ul style="list-style-type: none"> <li>• OS&amp;Y is always T-Bar/Graphite.</li> <li>• Mixed(YP/YG): Vent+Equalize is Anti-Tamper</li> <li>• * PTFE &lt;200°C, Graphite &lt;450°C</li> </ul>
<p><b>Manifold Function</b></p> <ul style="list-style-type: none"> <li>• MD59 dP/Flow/Level "5-valve" DBB</li> </ul>	<p><b>Additional options</b></p> <ul style="list-style-type: none"> <li>• YG.FE Fugitive Emission Design, class AH</li> </ul>