Rosemount 305 and 306 Integral Manifolds

ROSEMOUNT 305 AND 306 FEATURE...

- Unique Coplanar™ design of the Rosemount 3051 and 3095 families allows “flangeless” valve integration
- Coplanar, traditional, and inline styles
- Compact, lightweight assembly
- Factory assembled, seal-tested and calibrated
- Easy in-process calibration
- 50% fewer possible leak points than conventional manifold/transmitter assemblies
- Direct-mount capability

Contents

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Rosemount 305 and 306 Manifolds

Rosemount 305R Coplanar Style Integral Manifolds

305R TWO-VALVE
This two-valve manifold is used with Rosemount 3051 gage and absolute pressure transmitters. The first valve provides instrument isolation. The second valve allows venting, draining, or calibration through the test port.
- 305RC2
- 305RT2
- 305RM2
- 305RC7

305R THREE-VALVE
This three-valve manifold is used with Rosemount 3095 and 3051 differential pressure transmitters. It provides two blocking valves and one equalizing valve. Two drain/vent valves are also installed at the test ports.
- 305RC3
- 305RT3
- 305RM3
- 305RC8

ROSEMOUNT 305R FIVE-VALVE
This five-valve manifold is used with 3095 and 3051 differential pressure transmitters. It provides two blocking valves, two test/vent valves, and one equalizing valve. The two vent valves allow for 100% capture of vented or drained process, and simplified in-process calibration capability. We also offer a five-valve integral manifold with a metering pattern for Natural Gas installations.
- 305RC5
- 305RC6
- 305RC9
- 305RM5

NOTE
Standard two-valve and standard 5-valve manifold Test/Vents receive plastic caps to protect threaded connections.

FIVE-VALVE NATURAL GAS
Coplanar Transmitter

NOTE
Five-valve Natural Gas Test (Plugged) connections receive 1/4-in. NPT plug.
Rosemount 305 and 306 Manifolds

306RT TWO-VALVE MANIFOLDS
This two-valve pressure manifold is used with 3051 and 2088 gage and absolute pressure transmitters. The first valve provides instrument isolation. The second valve allows venting, draining, or calibration through the test port. Available in 1/2–14 NPT male or female process connections.
- 306RT2

306RT BLOCK-AND-BLEED MANIFOLDS
This pressure manifold is used with 3051 and 2088 gage and absolute pressure transmitters. It provides a single block valve for instrument isolation. There is also a plug for drain/vent capabilities. Available in 1/2–14 NPT male process connection.
- 306RT1
Specifications

**FIGURE 1. 305R integral Manifolds - Pressure vs. Temperature**

<table>
<thead>
<tr>
<th>Pressure psig (bar)</th>
<th>Temperature °F (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>(-18)</td>
</tr>
<tr>
<td>100</td>
<td>38</td>
</tr>
<tr>
<td>200</td>
<td>93</td>
</tr>
<tr>
<td>300</td>
<td>149</td>
</tr>
<tr>
<td>400</td>
<td>204</td>
</tr>
<tr>
<td>500</td>
<td>260</td>
</tr>
<tr>
<td>600</td>
<td>316</td>
</tr>
<tr>
<td>700</td>
<td>371</td>
</tr>
<tr>
<td>800</td>
<td>427</td>
</tr>
<tr>
<td>900</td>
<td>482</td>
</tr>
<tr>
<td>1000</td>
<td>538</td>
</tr>
</tbody>
</table>

**TABLE 1. 305R Integral manifolds - pressure and temperature ratings**

<table>
<thead>
<tr>
<th>Packing</th>
<th>Seat</th>
<th>Pressure and Temperature Ratings</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTFE Integral</td>
<td>6092 psi @ 200°F (420 bar @ 93°C)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4000 psi @ 400°F (276 bar @ 204°C)</td>
<td></td>
</tr>
<tr>
<td>Graphite Integral</td>
<td>6092 psi @ 200°F (420 bar @ 93°C)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1500 psi @ 750°F (103 bar @ 399°C)</td>
<td></td>
</tr>
<tr>
<td>Graphite (ASME B31.1) Integral</td>
<td>6092 psi @ 100°F (420 bar @ 38°C)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2915 psi @ 1000°F (201 bar @ 538°C)</td>
<td></td>
</tr>
</tbody>
</table>

(1) Except option HK:
- PTFE, Integral seat: 2324 psi @ 200°F (160 bar @ 93°C), 1680 psi @ 400°F (116 bar @ 204°C)
- Graphite, Integral seat: 2324 psi @ 200°F (160 bar @ 93°C), 1125 psi @ 750°F (78 bar @ 399°C)
TABLE 2. 306R Integral manifolds - pressure and temperature ratings

<table>
<thead>
<tr>
<th>Packing</th>
<th>Seat</th>
<th>Pressure and Temperature Ratings</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTFE</td>
<td>Integral</td>
<td>10000 psi @ 85°F (689 bar @ 29°C)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4000 psi @ 400°F (276 bar @ 204°C)</td>
</tr>
<tr>
<td>Graphite</td>
<td>Integral</td>
<td>6000 psi @ 200°F (414 bar @ 93°C)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1500 psi @ 750°F (103 bar @ 399°C)</td>
</tr>
<tr>
<td>Graphite (ASME B31.1)</td>
<td>Integral</td>
<td>6000 psi @ 100°F (414 bar @ 38°C)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2915 psi @ 1000°F (201 bar @ 538°C)</td>
</tr>
</tbody>
</table>

TABLE 3. Process Wetted Materials of Construction - Typical\(^1\)

<table>
<thead>
<tr>
<th>Component</th>
<th>316SST</th>
<th>Hastelloy C</th>
<th>Monel</th>
<th>316 SST with SG option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body(^2)</td>
<td>316 SST</td>
<td>Hastelloy C-276</td>
<td>Monel 400</td>
<td>316 SST</td>
</tr>
<tr>
<td>Ball / Tip</td>
<td>316 SST</td>
<td>Hastelloy C-276</td>
<td>Monel 400 / K500</td>
<td>Hastelloy C-276</td>
</tr>
<tr>
<td>Stem</td>
<td>316 SST</td>
<td>Hastelloy C-276</td>
<td>Monel 400 / R-405</td>
<td>Hastelloy C-276</td>
</tr>
<tr>
<td>Packing</td>
<td>PTFE / Graphite</td>
<td>PTFE / Graphite</td>
<td>PTFE / Graphite</td>
<td>PTFE / Graphite</td>
</tr>
<tr>
<td>Bonnet</td>
<td>316 SST</td>
<td>Hastelloy C-276</td>
<td>Monel 400 / R-405</td>
<td>316 SST</td>
</tr>
<tr>
<td>Pipe Plug</td>
<td>316 SST</td>
<td>Hastelloy C-276</td>
<td>Monel 400 / R-405</td>
<td>316 SST</td>
</tr>
<tr>
<td>Bleed Screw</td>
<td>316 SST</td>
<td>Hastelloy C-276</td>
<td>Monel 400 / R-405 / K500</td>
<td>Hastelloy C-276</td>
</tr>
<tr>
<td>Drain / Vent Valve</td>
<td>316 SST</td>
<td>Hastelloy C-276</td>
<td>Monel 400</td>
<td>Hastelloy C-276</td>
</tr>
</tbody>
</table>

\(^1\) Non-wetted parts are 300 series SST.

\(^2\) Body may be supplied as appropriate cast equivalent.
Shipping Weights

TABLE 4. 305 Manifold Weights Without Options, lb (kg)

<table>
<thead>
<tr>
<th>Model</th>
<th>Approximate Manifold Weight</th>
<th>Manifold with 3051C</th>
<th>Manifold 3051S_C⑴</th>
<th>Manifold with 3095</th>
</tr>
</thead>
<tbody>
<tr>
<td>0305_C2</td>
<td>4.5 (2.0)</td>
<td>9.4 (4.3)</td>
<td>7.6 (3.4)</td>
<td>9.9 (4.5)</td>
</tr>
<tr>
<td>0305_C3</td>
<td>4.7 (2.1)</td>
<td>9.6 (4.4)</td>
<td>7.8 (3.5)</td>
<td>10.1 (4.6)</td>
</tr>
<tr>
<td>0305_C5</td>
<td>6.5 (3.0)</td>
<td>11.4 (5.17)</td>
<td>9.6 (4.4)</td>
<td>11.9 (5.4)</td>
</tr>
<tr>
<td>0305_C6</td>
<td>6.4 (2.9)</td>
<td>11.3 (5.1)</td>
<td>9.5 (4.3)</td>
<td>11.8 (5.35)</td>
</tr>
<tr>
<td>0305_C7</td>
<td>4.7 (2.1)</td>
<td>9.6 (4.4)</td>
<td>7.8 (3.5)</td>
<td>10.1 (4.6)</td>
</tr>
<tr>
<td>0305_C8</td>
<td>5.0 (2.3)</td>
<td>9.9 (4.5)</td>
<td>8.1 (3.7)</td>
<td>10.4 (4.8)</td>
</tr>
<tr>
<td>0305_C9</td>
<td>6.3 (2.85)</td>
<td>11.2 (5.1)</td>
<td>9.4 (4.25)</td>
<td>11.7 (5,3)</td>
</tr>
<tr>
<td>0305_T2</td>
<td>6.0 (2.7)</td>
<td>10.9 (4.9)</td>
<td>9.1 (4.1)</td>
<td>–</td>
</tr>
<tr>
<td>0305_T3</td>
<td>6.0 (2.7)</td>
<td>10.9 (4.9)</td>
<td>9.1 (4.1)</td>
<td>–</td>
</tr>
<tr>
<td>0305_T7</td>
<td>6.2 (2.8)</td>
<td>11.1 (5.0)</td>
<td>9.3 (4.2)</td>
<td>–</td>
</tr>
<tr>
<td>0305_T8</td>
<td>6.2 (2.8)</td>
<td>11.1 (5.0)</td>
<td>9.3 (4.2)</td>
<td>–</td>
</tr>
</tbody>
</table>

⑴ 3051S Module only; see Rosemount product data sheet 00813-0100-4801 for additional information.

TABLE 5. 306 Manifold Weights Without Options, lb (kg)

<table>
<thead>
<tr>
<th>Model</th>
<th>Approximately Manifold Weight</th>
<th>Manifold with 3051T</th>
<th>Manifold 3051S_T⑴</th>
<th>Manifold with 2088</th>
</tr>
</thead>
<tbody>
<tr>
<td>0306_T1</td>
<td>1.1 (0,5)</td>
<td>4.1 (1,9)</td>
<td>2.5 (1,1)</td>
<td>3.1 (1,4)</td>
</tr>
<tr>
<td>0306_T2</td>
<td>2.5 (1,1)</td>
<td>5.5 (2,5)</td>
<td>3.9 (1,7)</td>
<td>4.5 (2,0)</td>
</tr>
<tr>
<td>0306_T3</td>
<td>2.5 (1,1)</td>
<td>5.5 (2,5)</td>
<td>3.9 (1,7)</td>
<td>4.5 (2,0)</td>
</tr>
</tbody>
</table>

⑴ 3051S Module only; see Rosemount product data sheet 00813-0100-4801 for additional information.

Test Connections

1¼-18 NPT

Adapters

DF option, CF-8M (Cast version of 316 SST, material per ASTM-A743)

Bolts for Manifolds

Standard material is plated carbon steel per ASTM A449, Type 1

Alternative bolt materials offered through Option Codes

- L4 Austenitic 316 Stainless Steel Bolts
- L5 ASTM-A-193, Grade B7M Bolts
- L8 ASTM-A-193, Class 2, Grade B8M Bolts
Rosemount 305 and 306 Manifolds

Dimensional Drawings

Rosemount 305R Two-Valve *Coplanar* Style Manifold

Dimensions are in inches (millimeters)

Rosemount 305R Three-Valve *Coplanar* Style Manifolds

Dimensions are in inches (millimeters)
Rosemount 305 and 306 Manifolds

**Rosemount 305R Five-Valve Coplanar Style Manifold**

- Dimensions are in inches (millimeters)
- 1/2-14 NPT on Manifold for Process Connections, 2.125 inch center-to-center
- 1/4-18 NPT for test/vent connection.

**Rosemount 305RT Two-Valve Traditional Style Manifold**

- Dimensions are in inches (millimeters)
- 1/2-14 NPT on optional Process Adapter*
- 1/4-18 NPT on traditional manifold for process connection without the use of a process adapter
Rosemount 305 and 306 Manifolds

**Rosemount 305RT Three-Valve Traditional Style Manifold**

Dimensions are in inches (millimeters)

* Adapters can be rotated to give adapter connection centers of 2.0 (51), 2.125 (54), or 2.25 (57).

**Rosemount 305RM Two-Valve Traditional Style Manifold**

Dimensions are in inches (millimeters)
**Rosemount 305 and 306 Manifolds**

**Rosemount 305RM Three-Valve Traditional Style Manifold**

Dimensions are in inches (millimeters)

- **Drain/Vent Valve**
  - 3.75 (95) Max Open
  - 1.05 (27)

- **½-14 NPT on optional Process Adapter**

- **½-18 NPT on traditional manifold for process connections without the use of process adapters**
  - 1.10 (28)
  - 4.55 (116)
  - 7.70 (196)

* Adapters can be rotated to give adapter connection centers of 2.0 (51), 2.125 (54), or 2.25 (57).

**Rosemount 305RM Five-Valve Traditional Style Manifold**

Dimensions are in inches (millimeters)

- **Drain/Vent Valve**
  - 4.2 (107) Max Open
  - 2.6 (66)

- **½-14 NPT on optional Process Adapter**

- **½-18 NPT on traditional manifold for process connections without the use of process adapters**
  - 1.10 (28)
  - 2.125 (54)
  - 2.5 (63)
  - 6.5 (165) Max Open
  - 9.0 (229) Max Open

* Adapters can be rotated to give adapter connection centers of 2.0 (51), 2.125 (54), or 2.25 (57).
Rosemount 305 and 306 Manifolds

**Rosemount 306R Pressure Style Manifold (3051T Shown)**

**BLOCK AND BLEED STYLE**

- Dimensions are in inches (millimeters)

**TWO-VALVE STYLE**

- Dimensions are in inches (millimeters)

**Installations for Rosemount 3051T and 3051S_T Transmitters for 2-in. Pipe Mounting**

**ROSEMOUNT 3051T**

- Dimensions are in inches (millimeters)

**ROSEMOUNT 3051S_T**

- Dimensions are in inches (millimeters)

NOTE: Dimensions are in inches (millimeters).
Rosemount 305 and 306 Manifolds

**Coplanar Manifold with Optional Bracket for 2-in. Pipe Mounting**

Dimensions are in inches (millimeters)

**Traditional Manifold with Optional Brackets for 2-in. Pipe Mounting**

Dimensions are in inches (millimeters)
### Ordering Information

**TABLE 6. Rosemount 305R Integral Manifolds**

<table>
<thead>
<tr>
<th>Code</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0305</td>
<td>Integral Manifold</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Manufacturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>R</td>
<td>Rosemount Inc.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Manifold Style</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>Coplanar</td>
</tr>
<tr>
<td>T</td>
<td>Traditional</td>
</tr>
<tr>
<td>M</td>
<td>Traditional (Rosemount 3095-compatible; DIN-compliant flange)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Manifold Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>2-valve</td>
</tr>
<tr>
<td>3</td>
<td>3-valve</td>
</tr>
<tr>
<td>5&lt;sup&gt;(1)&lt;/sup&gt;</td>
<td>5-valve</td>
</tr>
<tr>
<td>6&lt;sup&gt;(2)&lt;/sup&gt;</td>
<td>5-valve for natural gas/metering pattern</td>
</tr>
<tr>
<td>7&lt;sup&gt;(2)(3)&lt;/sup&gt;</td>
<td>2-valve (per ASME B31.1[ANSI] power and piping code)</td>
</tr>
<tr>
<td>8&lt;sup&gt;(2)(3)&lt;/sup&gt;</td>
<td>3-valve (per ASME B31.1[ANSI] power and piping code)</td>
</tr>
<tr>
<td>9&lt;sup&gt;(2)(3)&lt;/sup&gt;</td>
<td>5-valve (per ASME B31.1[ANSI] power and piping code)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Materials of Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>316 SST</td>
</tr>
<tr>
<td>3</td>
<td>Hastelloy&lt;sup&gt;®&lt;/sup&gt; C</td>
</tr>
<tr>
<td>4</td>
<td>Monel&lt;sup&gt;®&lt;/sup&gt;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Process Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>½–18 NPT (Traditional manifold styles T and M)</td>
</tr>
<tr>
<td>B</td>
<td>1½–14 NPT (Coplanar manifold style only)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Packing Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Teflon</td>
</tr>
<tr>
<td>2&lt;sup&gt;(6)&lt;/sup&gt;</td>
<td>Graphite-based</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Valve Seat</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Integral</td>
</tr>
<tr>
<td>5</td>
<td>Soft delrin (only available with natural gas/metering pattern)</td>
</tr>
</tbody>
</table>

Continued on Next Page
TABLE 6. Rosemount 305R Integral Manifolds

<table>
<thead>
<tr>
<th>Code</th>
<th>305R Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>P2</td>
<td>Cleaning for special services (Not available with graphite-based packing)</td>
</tr>
<tr>
<td>Sg(5)(7)</td>
<td>316 SST NACE option (316 SST body and bonnet; Hastelloy C drain/vent, stem and tip/ball) for H2S Service</td>
</tr>
<tr>
<td>L4(8)</td>
<td>Austenitic 316 SST bolts</td>
</tr>
<tr>
<td>L5</td>
<td>ASTM-A-193-B7M bolts</td>
</tr>
<tr>
<td>L8</td>
<td>ASTM-A-193, Class 2, Grade B8M bolts</td>
</tr>
</tbody>
</table>

**Coplanar Options**

<table>
<thead>
<tr>
<th>Code</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>B4</td>
<td>SST bracket for 2-in. pipe mount with series 300 SST bolts</td>
</tr>
</tbody>
</table>

**Traditional Options**

<table>
<thead>
<tr>
<th>Code</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1</td>
<td>Bracket for 2-in. pipe mounting, CS bolts</td>
</tr>
<tr>
<td>B3(8)</td>
<td>Flat bracket for 2-in. pipe mounting, CS bolts</td>
</tr>
<tr>
<td>B7</td>
<td>B1 bracket with series 300 SST bolts</td>
</tr>
<tr>
<td>B9(9)</td>
<td>B3 bracket with series 300 SST bolts</td>
</tr>
<tr>
<td>BA</td>
<td>SST B1 bracket with series 300 SST bolts</td>
</tr>
<tr>
<td>BC(9)</td>
<td>SST B3 bracket with series 300 SST bolts</td>
</tr>
<tr>
<td>BD</td>
<td>SST Bracket with Series 300 SST Bolts for 305RM5 Manifolds</td>
</tr>
<tr>
<td>DF</td>
<td>1/2–14 NPT flange adapters, Material of construction; match body material and packing material</td>
</tr>
<tr>
<td></td>
<td>(Not available with graphite-based packing or HK, HL options)</td>
</tr>
<tr>
<td>HK(10)</td>
<td>10mm (M10) process flange bolting connection</td>
</tr>
<tr>
<td>HL(10)</td>
<td>12mm (M12) process flange bolting connection</td>
</tr>
</tbody>
</table>

**Typical Coplanar Integral Manifold Model Number:** 305RC32B11B4

**Typical Transmitter Model Number:** 3051CD2A02A1AS5

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(1) Not available with traditional manifold style T.
(2) Only available with Coplanar manifold style
(3) Only available with 316SST materials of construction and graphite-based packing.
(4) Not available with traditional manifold Style M.
(6) Includes graphite tape on drain/vent valves and plugs.
(7) Only available with Materials of Construction Code 2: 316 SST body and bonnets; Hastelloy C stems, tip/balls, and drain/vents.
(8) Not available with manifold codes 7, 8, and 9.
(9) Not compatible with the Rosemount 3095 transmitter.
(10) Only available with traditional manifold style M.
### TABLE 7. Rosemount 306RT Integral Manifolds

<table>
<thead>
<tr>
<th>Model</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0306</td>
<td>Pressure Manifold</td>
</tr>
</tbody>
</table>

**Code**

<table>
<thead>
<tr>
<th>Character</th>
<th>Manufacturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>R</td>
<td>Rosemount Inc.</td>
</tr>
</tbody>
</table>

**Code**

<table>
<thead>
<tr>
<th>Character</th>
<th>Manifold Style</th>
</tr>
</thead>
<tbody>
<tr>
<td>T</td>
<td>Threaded</td>
</tr>
</tbody>
</table>

**Code**

<table>
<thead>
<tr>
<th>Character</th>
<th>Manifold Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Block-and-bleed</td>
</tr>
<tr>
<td>2</td>
<td>2-valve</td>
</tr>
<tr>
<td>3(1)</td>
<td>2-valve (per ASME B31.1 [ANSI] power and piping code)</td>
</tr>
</tbody>
</table>

#### Materials of Construction

<table>
<thead>
<tr>
<th>Code</th>
<th>Body</th>
<th>Bonnet</th>
<th>Stem and Tip / Ball</th>
<th>Drain/Vent Plug</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>316 SST</td>
<td>316 SST</td>
<td>316 SST</td>
<td>316 SST</td>
</tr>
<tr>
<td>3(2)(3)</td>
<td>Hastelloy C</td>
<td>Hastelloy C</td>
<td>Hastelloy C</td>
<td>Hastelloy C</td>
</tr>
</tbody>
</table>

**Code**

<table>
<thead>
<tr>
<th>Character</th>
<th>Process Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1/2–14 male NPT</td>
</tr>
<tr>
<td>BA(2)</td>
<td>1/2–14 female NPT</td>
</tr>
</tbody>
</table>

**Code**

<table>
<thead>
<tr>
<th>Character</th>
<th>Packing Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Teflon</td>
</tr>
<tr>
<td>2(4)</td>
<td>Graphite-based</td>
</tr>
</tbody>
</table>

**Code**

<table>
<thead>
<tr>
<th>Character</th>
<th>Valve Seat</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Integral</td>
</tr>
</tbody>
</table>

**Code**

<table>
<thead>
<tr>
<th>Character</th>
<th>306RT Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>P2</td>
<td>Cleaning for special services (Not available with graphite-based packing)</td>
</tr>
<tr>
<td>SG(3)(5)</td>
<td>316 SST NACE option (316 SST body and bonnet; Hastelloy C stem and tip/ball). For H₂S Service</td>
</tr>
</tbody>
</table>

Typical Integral Manifold Model Number: 306RT22BA11

Typical Transmitter Model Number: 3051TG3A2B21AS5B4

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(1) Only available with 316SST materials of construction and graphite-based packing.

(2) Not available with block-and-bleed manifold type

(3) Materials of Construction comply with recommendations per NACE MR0175/ISO 15156 for sour oil field production environments. Environmental limits apply to certain materials. Consult latest standard for details. Selected materials also conform to NACE MR0103 for sour refining environments.

(4) Includes graphite tape on plugs.

(5) Only available with material of construction code 2.
Rosemount 305 and 306 Manifolds

OPTIONS

Module Guard

A sensor module guard is available to protect the transmitter process isolating diaphragms. This guard should be used whenever the transmitter is removed from the integral manifold to avoid damage to the isolating diaphragms.

- Part number: 00305-1000-0001 (5/pack)

P2 Cleaning for Special Services

This option minimizes process contaminants by cleaning wetted surfaces with a suitable detergent.

SG Sour Gas

Materials of Construction comply with recommendations per NACE MR 0175/ISO 15156 for sour oil field production environments. Environmental limits apply to certain materials. Consult latest standard for details. Selected materials also conform to NACE MR0103 for sour refining environments.

ASME B31.1 (ANSI)

The 305 and 306 Manifolds are available in configurations that meet the requirements of ASME B31.1(ANSI) Power and Piping Code. This code specifies design criteria for most air, gas, steam, water, and oil systems used in electric generating systems, central and district heating systems, industrial power plants and geothermal plants. ASME B31.1(ANSI) includes requirements for manifolds, valves, and piping. Transmitters and other measuring devices do not fall within the scope of this code.

Marking

Manifolds are tagged with a part number, schematic drawing, temperature and pressure limits.

Other Publications

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