# PRESENTATION

In partnership with the German family-based company AS-Schneider, Georgin markets a broad range of manifolds.

You should choose your 2, 3 or 5 valve manifold according to two essential criteria:
- The design of the valve body that makes installation easier and optimises ease of use by offering ready access to the process in the maintenance phases.
- Consideration of the nature of the fluid, both in the selection of the material of the body (carbon steel, rust-proof or duplex materials, alloys, titanium, etc.) and of the material of the tap seals (PTFE as standard).

As shown below, the coloured rings identify the insulation, drain and balancing. Optional markings can be added to identify the graphite seal, a PCTFE endpiece, reinforced sealing solutions or equipment that can be used with oxygen.

The modularity of the range also allows for a broad choice of taps that meet normative requirements (emissions of volatiles), process safety requirements (OS&Y valve) or site security (anti-vandalism systems).

Every assembly is tested at 1.5 times the maximum service pressure, as per EN 12266-1.

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**Temperature and pressure rating**

**Drain valve**
- PTFE packing (Standard)
- TA packing with reinforced sealing

**Fixed needle**
- for minimum wear

**Shut-off valve**
- PTFE packing (Standard)
- Graphite seal option

**Balancing valve**
- ISO-FE standard
- sealed packaging

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**Graphite**

Temperature limits for Soft Tips:
- POM: max. 100°C (212°F)
- PCTFE: max. 150°C (302°F)

**O-Ring FKM**

Temperature limits for Soft Tips:
- POM: max. 100°C (212°F)
- PCTFE: max. 150°C (302°F)
## MANIFOLDS FOR ONLINE INSTALLATION

These constructions are typically designed for insulation and draining of products mounted online: sticks transmitters, process transmitters for direct mounting, pressure gauges, relative or absolute pressure switches.

The process connections and instrument are in standard in connection 1/2"NPT male or female, drain in 1/4"NPT and PTFE packing.

Options on demand: body material, packing material, specific process connections, cleaning...

### Type | Number of valves | Connection instrument - Process | Material | Options
--- | --- | --- | --- | ---
1 A3301 | 2 valves | 1 1/2" NPTF – 1/2" NPTF, 2 1/2" NPTF – 1 1/2" NPTM, 5 1/2" NPTM – 1/2" NPTM, 6 1/2" NPTM – 1/2" NPTF | 0 Stainless steel + PTFE, G Stainless steel + Graphite | 0 Standard, 2 O² Cleaning

Options on demand: body material, packing material, specific process connections, cleaning...

### MANIFOLDS FOR ONLINE OR REMOTE INSTALLATION

These constructions are typically designed for insulation and draining of products mounted on panel in remote installation: sticks transmitters, transmitters process of direct mounting, pressure gauges, relative or absolute pressure switches.

The connections process and instrument are in standard in connection 1/2"NPT female, drain in 1/4"NPT and PTFE packing.

Options on demand: body material, packing material, specific process connections, cleaning...

### Type | Number of valves | Connection instrument - Process | Material | Options
--- | --- | --- | --- | ---
1 A3301 | 2 valves | 1 1/2" NPTF – 1/2" NPTF, 2 1/2" NPTF – 1 1/2" NPTM, 7 1/2"GF – 1/2"NPTF | 0 Stainless steel + PTFE, G Stainless steel + Graphite | 0 Standard, 2 O² Cleaning

Options on demand: body material, packing material, specific process connections, cleaning...
MANIFOLDS FOR FLANGE MOUNTING

These constructions are designed for insulation and draining of products type flange-mounted: FKC, FKA and FKH models (ProcessX family) but also all the flange transmitters made according to the standards IEC 61518-A, IEC 61518-B or Coplanar (Rosemount).

The connections are in standard of 1/2”NPT male type side process, and flange side instrument, drain in 1/4”NPT and PTFE packing. Options on demand: body material, packing material, specific process connections, cleaning...

Connection DIN EN 61518 / IEC 61518

The design IEC 61518 require a holding in pression in 413 bar (420 bar in pratice on the constructions AS) and a maximal temperature de 120°C for liquid, gas or vapours. It will therefore be necessary to use the usual accessories of reduction in the temperature. A proper O’ring can be used under more severe fluid conditions.

Input connection of manifold under the design DIN_EN_61518/ IEC_61518

Flange connections to transmitter of construction under DIN_EN_61518/ IEC_61518

A Type    B Type
MANIFOLDS FOR FLANGE MOUNTING (CONTINUE)

A33F1-2***

Construction similar to A33F2-5 design
Feature: drain downward
IEC 61518-A Design

A33F2-2***

Construction similar to design A33F2-5
Feature: drain downward
IEC 61518-B Design

A33F2-3***

Compact construction
Model 3 valves without drain in standard
Model 5 valves with drain

A33F2-5***

A33F2-5***-DINB

A33F3-5***

Construction similar to design A33F2-5
Feature: drain downward
IEC 61518-B Design

A33F3-5***-DINB

A33F4-3***

Compact construction
Model 3 valves with drain

A33F4-5***

A33F4-3***-P
### MANIFOLDS FOR FLANGE MOUNTING (CONTINUE)

Construction with process connection by the low design IEC 61518-A

<table>
<thead>
<tr>
<th>Type</th>
<th>Number of valves</th>
<th>Instrument connection - Process connection</th>
<th>Material</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1 A33F1</td>
<td>2</td>
<td>2 valves</td>
<td>Flange-mounted* – ½” NPTF</td>
<td>0 Stainless steel + PTFE</td>
</tr>
<tr>
<td>F2 A33F2</td>
<td>3</td>
<td>3 valves</td>
<td>Flange-mounted* – ½” GF</td>
<td>G Stainless steel + Graphite</td>
</tr>
<tr>
<td>F3 A33F3</td>
<td>5</td>
<td>5 valves</td>
<td>Flange-mounted* – ½” GF</td>
<td>H Hastelloy C276 + PTFE</td>
</tr>
</tbody>
</table>

Note: The standard screw of the A33F1 model at 5 is on type 1”3/4, A33F6 is to type 2”

Construction with process connection by the low design IEC 61518-B

Construction similar to A33F2-5 design

Feature: drain downward

Applications on Natural Gas

IEC 61518-A Design on standard

### MANIFOLDS FOR MOUNTING IN A CABINET

These constructions are typically designed for insulation and draining of products type flange-mounted: FKC, FKA and FKH models (ProcessX family) but also all the flange-mounted transmitters made under the standard IEC 61518-A or IEC 61518-B.

The feature of the A33A1 models lay in a design adapted to mounting by protection housing against storm damage.

The process connections are on standard of 1/2”NPT female type. The connection instrument side is under flange-mounted type, drain in 1/4”NPT and PTFE packing.

Options on demand: body material, packing material, specific process connections, cleaning...
**MANIFOLDS FOR FLANGE TRADITIONAL MOUNTING**

These constructions are typically designed for insulation and draining of products type flange-mounted: FKC, FKA and FKH models (ProcessX family) but also all the flange-mounted transmitters made under IEC 61518-A or IEC 61518-B standard. The connections are on standard of type 1/2"NPT female side process, for the A33P2 model, or flange-mounted for the A33P1 model. The connection instrument side is type flange-mounted, drain in 1/4"NPT and PTFE packing. Options on demand: body material, packing material, specific process connections, cleaning...

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**MANIFOLDS FOR MOUNTING COPLANAR TRANSMITTERS**

These constructions are typically designed for isolating and draining of products Rosemount 2051/3051 Coplanar type.

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**MANIFOLDS FOR DIFFERENTIAL PRESSURES GAUGES**

These constructions are typically designed for insulation and draining of differential pressures gauges. The process connections are on standard of 1/2"NPT female type. The connection instrument side is of rotary type by sleeve. Options on demand: body material, packing material, specific process connections, cleaning...
MOUNTING KITS
Each mounting kit is supplied with threaded stretcher, washers, hexagonal nuts, screws and washers of assembly of the distributor if necessary.

<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3301-ACC1</td>
<td>For manifold A3301 type</td>
<td>Carbon steel</td>
</tr>
<tr>
<td>A3304-ACC1</td>
<td>For manifold A3302, A3303 and A3304 type</td>
<td>Stainless steel, K2 Kit 2&quot;</td>
</tr>
<tr>
<td>A33F0-ACC1</td>
<td>For manifold A33F* and A33M1 except A33F5 type</td>
<td>Stainless steel, G Graphite</td>
</tr>
<tr>
<td>A33F0-ACC3</td>
<td>For manifold A33F5 type</td>
<td>Carbon steel</td>
</tr>
<tr>
<td>A33P0-ACC1</td>
<td>For manifold A33P* type</td>
<td>Stainless steel</td>
</tr>
</tbody>
</table>

SCREWS
Kits of screws for the mounting of manifold on transmitter under DIN EN 61518.

<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>O’ring</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3300-H1</td>
<td>Screws 7/16-20 UNF with washers</td>
<td>2 screws and 1 O’ring</td>
<td>F38 1&quot;1/2</td>
</tr>
<tr>
<td>A3300-H2</td>
<td>Screws M10 with washers</td>
<td>4 screws and 2 O’rings</td>
<td>F44 1&quot;3/4</td>
</tr>
</tbody>
</table>

OVAL FLANGE
This accessory makes it possible to adapt a connection DIN EN 61508 on a 1/2"NPT female connection.

<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>Connection</th>
<th>Type</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3300-B</td>
<td>Oval flange</td>
<td>3 1/2&quot;NPT</td>
<td>TD</td>
<td>- Standard</td>
</tr>
<tr>
<td></td>
<td>316 Stainless steel</td>
<td></td>
<td>T4</td>
<td>B O² Cleaning</td>
</tr>
<tr>
<td></td>
<td>Others on demand</td>
<td></td>
<td></td>
<td>Others on demand</td>
</tr>
</tbody>
</table>
A3300 Manifolds

- PROCESS SINGLE-FLANGE AND INSTRUMENT AND BLOCK WITH DUAL-ISOLATION AND DRAIN

A3300-M

A3300-DBB

Steel carbon or stainless steel body

Flanged or threaded connection

Model with complete or reduced passage

Ball valve or needle valve

Flange under ASME, from 1/2" to 3", from 150 to 2500#

Packing and body O’rings in PTFE or graphite

Fire safety according to ISO 10497/API607