



Budenberg



Made in Britain

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Model: 65ND

The 65ND range of Five Valve Manifolds are designed to directly couple onto industry standard Pressure, Flow / Level Transmitters with 54mm centres. These lightweight manifolds can enable operation, isolation, equalisation and venting / calibration of the instrument within a single unit.

This solution not only provides the minimum number of inter-connections, thereby eliminating potential leak paths, but also being 'close coupled' to the instrument reduces errors to give better accuracy on the instrument.

The 65ND range is based around the Budenberg Needle Valve technology that includes a full range of features and benefits to make it the ideal manifold for any close coupled Differential measurement application.

These lightweight and compact units can be readily configured or modified to suit any individual application or customer requirement although this datasheet illustrates the more popular configurations currently in use by our customers.

Basic Models

65ND - Female process x Transmitter connection.
For remote mounting versions see additional datasheets

Valve Configuration

2 x Isolation, 2 x Vent, 1 x Equalisation
Other variations are available

Material of Construction

Standard material is 316 St St to NACE MR 01-75. Units can be manufactured in a range of wetted parts materials including Monel and Hastelloy

Standard Connection Sizes

1/4" & 1/2" NPT female connections to ANSI / ASME B1-20-1
1/4" & 1/2" BSP female connections to BS 2779
Other thread sizes available, contact sales for details

Transmitter connection

Flange instrument connection with Graphoil or PTFE Sealing rings to suit standard transmitter with 54mm centres. All units are supplied with sealing rings and transmitter mounting bolts. Flange connections for other transmitters can be supplied

Operating Pressure

6,000 psig Cold Working Pressure designated 62Nx
10,000 psig Cold Working Pressure designated 102Nx

Operating Temperature

-20 to 240°C maximum for units fitted with PTFE stem packing
-20 to 450°C maximum for units fitted with Graphoil packing
For Cryogenic applications then a range of extended head versions are available

Dust Cap Identification

White dust cap indicates PTFE Stem Packing
Black dust cap indicates Graphoil Stem Packing

5 VALVE DIFFERENTIAL MANIFOLD DIRECT MOUNTING VERSION



Fire safe

Designed and certified to BS 6755 Pt 2, API 598, EN 10479

Needle Valve Features

Stem Packing

Fully adjustable, dynamically responsive, multi ring 'gland sandwich' in either PTFE or Graphoil to resist all operating and process requirements. Budenberg offer 100% gland integrity for the lifetime of every valve

Stem Tip

Self centering, non rotating stem tip provides a true metal to metal valve seat whereby the material of the stem tip is one grade harder than the body thus resisting overtightening, preventing wear and guaranteeing a 100% bubble tight seat closure, first time, every time

Anti static, anti blow-out stems

True metal to metal Body / Bonnet joints. Bonnets are assembled with a bonnet locking pin to prevent accidental removal

Pressure & Temperature ratings as ASME / ANSI B 16.34
Class 2500

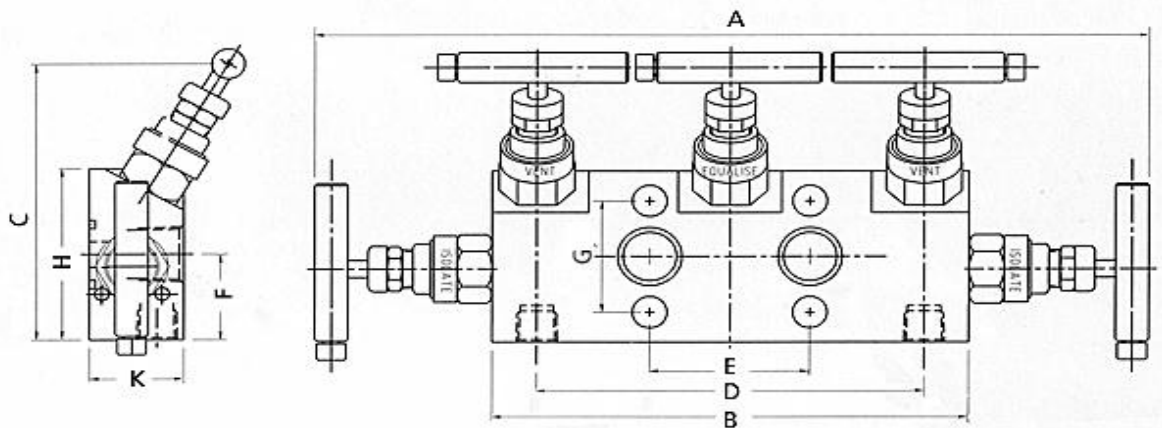
T' Bar operator with anti torque break feature

Adjustable multi stage stem packing in either PTFE or Graphoil

Certification

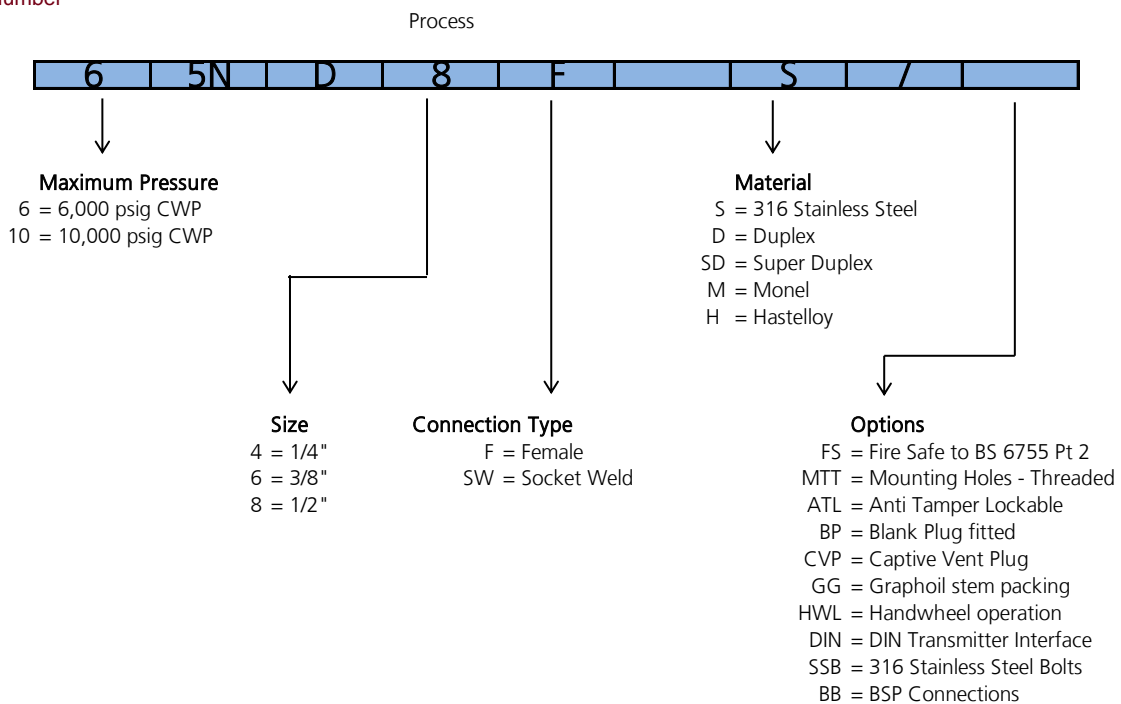
Material Certification to EN 10204 3.1b inc Mill Certificates
Pressure Test Certificate
CE Certificate of Conformity

Other testing / documentation / certification can be supplied dependant upon the contract / project requirements.



| A | B | C | D | E | F | G | H | K | Weight |
|-------|-------|-------|-------|------|--------|--------|--------|--------|---------|
| 280mm | 160mm | 102mm | 130mm | 54mm | 31.7mm | 41.3mm | 63.5mm | 31.8mm | 2.86 Kg |

Model Number



Notes

- 1 Standard Screwed connections are NPT
- 2 For units on Cryogenic Service please contact our sales office
- 3 All wetted parts material conform to NACE MR 01-75 latest version
- 4 For details of mounting brackets and other accessories please see additional datasheets
- 5 For interfacing onto other Transmitter types or configurations, please contact our sales office
- 6 Multiple options can be specified if separated by a forward slash symbol (/)