

# DBB 'N' Series Manifold

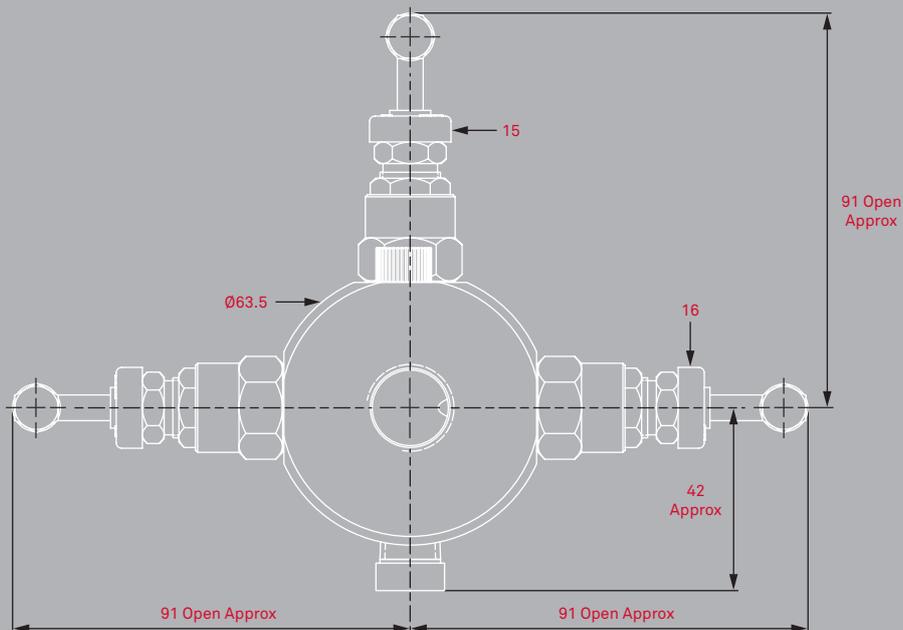
## Overview

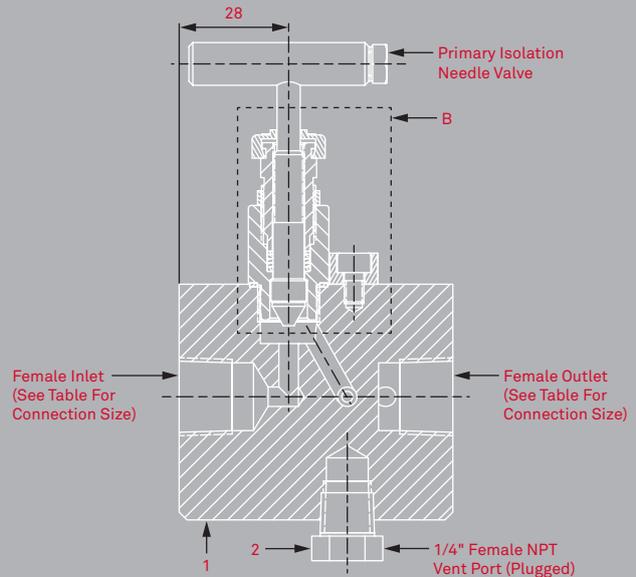
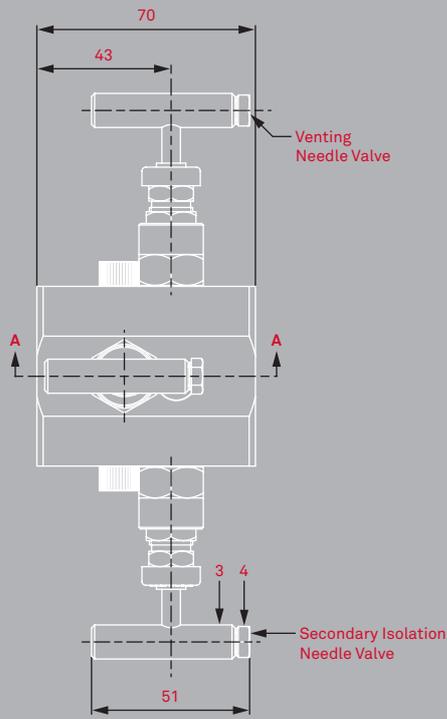
### Double Block & Bleed (Needle, Needle, Needle) 6,000 PSI

The Double Block & Bleed Manifold is fully approved to be supplied to many of the world's oil majors. The design provides an economical method for mounting gauges with facility to test and calibrate gauges and pressure switches. The DBB 'N' series is a slim-line and compact single piece 3 valve manifold. Both isolation and vent valves incorporate the long service firesafe 'N' series needle valve, graphite multi-ring piston style packing and back sealing facility.

## Design Features

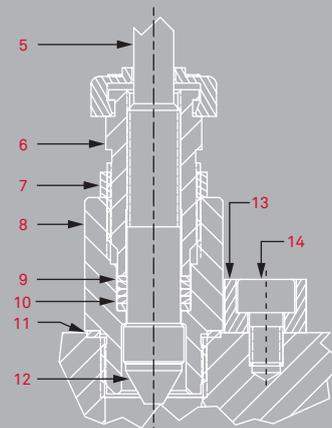
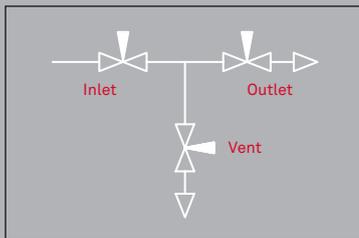
- All valves have 2-piece non-rotating hardened (17-4PH) tips as standard for bubble tight shut off and long service life
- Firesafe design
- Positive no slack stem action
- Metal to metal body bonnet seal for high pressure and high temperature sealing
- Valve flow can be reversed so calibration can be conducted in situ
- Temperature range -40°C to 427°C
- Fine control of venting
- Available in 316/316L
- Full material traceability
- Materials of construction supplied to meet the requirements of NACE MR 0175





Section A-A

Flow Diagram



Needle Valve Detail

Components Key

Item No.	Description	Material	Quantity
1	NEEDLE MANIFOLD	A479 UNS S31600	1
2	BLANK PLUG	A479 UNS S31600	1
3	"T" HANDLE	UNS S31600	3
4	HANDLE BOLT	A4 ST/ST	3
5	NEEDLE STEM	A479 UNS S31600	3
6	GLAND ADJUSTER	UNS S31600	3
7	GLAND LOCKNUT	UNS S31600	3
8	BONNET HOUSING	A479 UNS S31600	3
9	STEM SEAL	RTFE	3
10	GLAND PACKING	GRAPHITE	12
11	BONNET SEAL	UNS S31600	3
12	VALVE TIP	A564 UNS S17400	3
13	LOCKING CAM	UNS S31600	3
14	CAM SCREW	A4 ST/ST	3
15	ISOLATE DUST CAP	PVC	2
16	VENT DUST CAP	PVC	1

Dimensions shown are in metric mm

<b>Part no.</b>	<b>Connection size</b>	<b>Bore</b>	<b>CV</b>	<b>Weight</b>
EDBB-NNN-NV4NS-FS	1/2" NPT	5	0.7	1.9 Kg