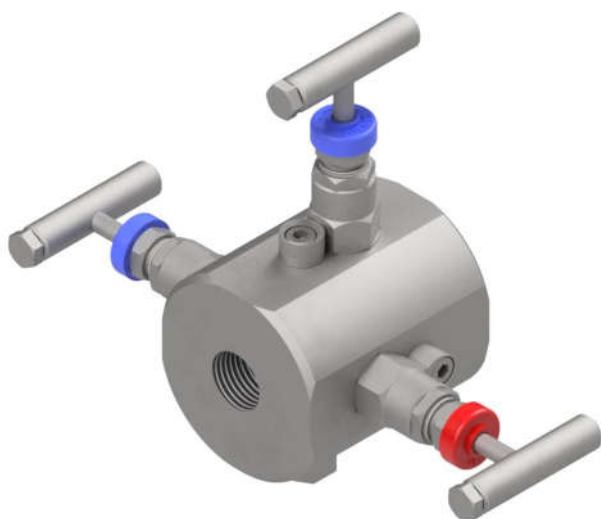


DBB 'N' SERIES MANIFOLD

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. Many options available including hand wheels and locking devices.

DESIGN FEATURES

All valves have 2-piece non-rotating hardened (17-4PH) tips as standard for bubble tight shut off and long service life.	Temperature range -40°C to 427°C (other temperatures available on request)
Firesafe design.	Fine control of venting.
Positive no slack stem action.	Available in 316ss, Duplex, Monel and other exotic materials.
Metal to metal body bonnet seal for high pressure and high temperature sealing.	Full material traceability.
Valve flow can be reversed so calibration can be conducted in situ.	Many options available such as locking devices.
Choice of end connections, such as BSPP, BSPT, and any additional fittings	Materials of construction can be supplied to meet the requirements of NACE MR 0175.

REVISIONS

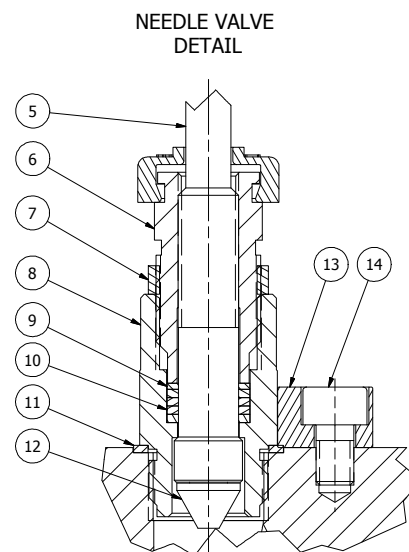
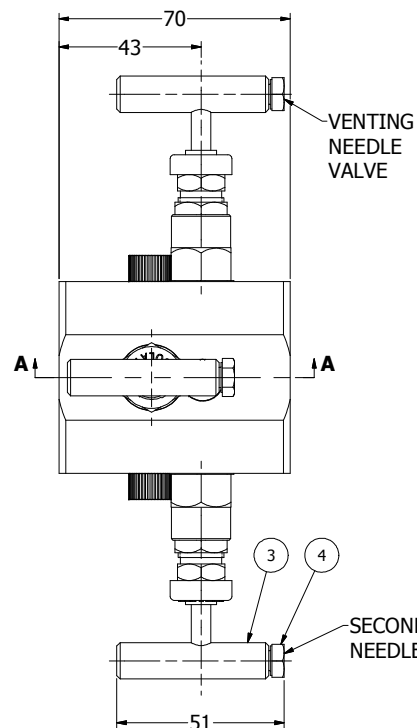
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IMPORTANT - THIS DOCUMENT
MAY CONTAIN CONTROLLED
INFORMATION AND COULD
THEREFORE REQUIRE EXPORT
PERMISSIONS FROM RELEVANT
AUTHORITIES IN YOUR COUNTRY

PRESSURE RATINGS ARE COLD WORKING, NON-SHOCK AND SUBJECT TO TEMPERATURE LIMITATIONS, UNLESS OTHERWISE STATED. PLEASE SEE SPECIFIC PRODUCT DATA

DIMENSIONS AND
DESIGNS
ARE SUBJECT TO CHANGE
WITHOUT PRIOR NOTICE

TYPICAL VALVE LAYOUT



ITE	DESCRIPTION	MATERIAL	QT
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

PART NO	CONNECTION SIZE	BORE	WEIGHT
EDBB-NNN-NV4NS-FS	1/2" NPT	5	1.9 Kg

