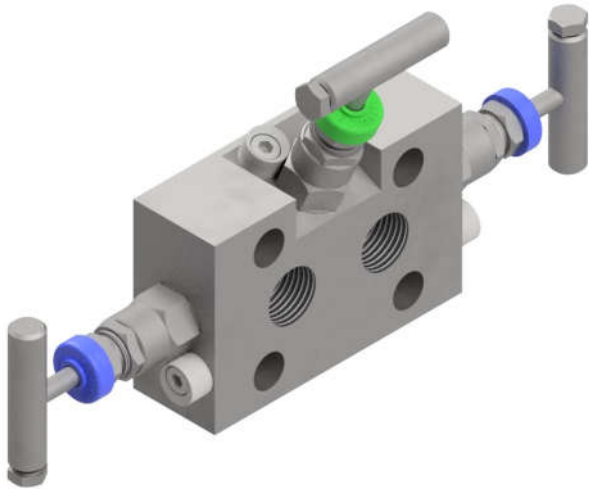


'3VBD' SERIES NEEDLE MANIFOLD



Direct Mounted 3 Valve Needle Manifold 6,000 PSI

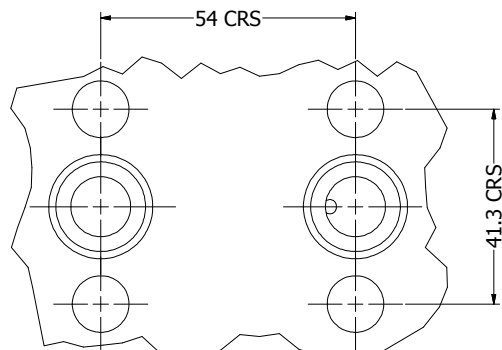
Direct mounted 3 valve manifold, instrument mount to pipe connection. Offering two isolation valves, and one equalising valve for differential pressure transmitter or static instrument applications. This slim, compact 3 valve manifold offers all the features of Alco's high integrity needle valve head design incorporated in one common instrument manifold block that mounts directly to an instrument.

DESIGN FEATURES

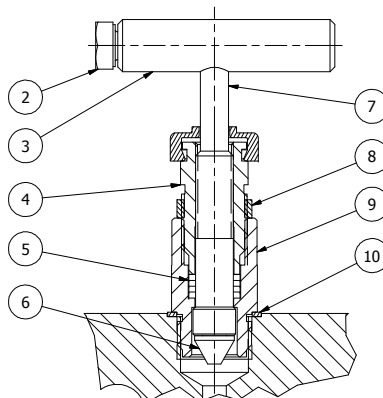
• Compact bodied instrument manifold block.	• Temperature range -40°C to 230°C (427°C with GP option)
• All valves have 2-piece non-rotating hardened (17-4PH) tips as standard for first time seal and long life service.	• Available in 316ss, Monel, Duplex, and other exotic materials.
• Bubble tight shut off.	• 54mm (2 1/8") instrument centres.
• Positive no slack stem action.	• Repair / service kit available to extend field life further.
• Supplied with bolt pack and PTFE seals as standard.	• Base mounting holes to allow fixing to enclosure or mounting boss.
• Metal to metal body bonnet seal for high pressure and high temperature use.	• Full material traceability.
• Ingress seal fitted as standard.	• Materials of construction can be supplied to meet the requirements of NACE MR 0175.

REVISIONS

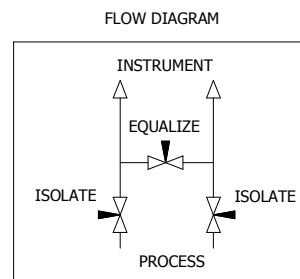
REV No.	DATE	DETAILS OF CHANGE	REV BY
1	05/05/2015	ISSUED	~



DIRECT MOUNT INSTRUMENT CONNECTION
DETAIL A-A



NEEDLE VALVE DETAILS



ITEM	DESCRIPTION	MATERIAL	QTY
1	VALVE BODY	A479 UNS S31600	1
2	HANDLE BOLT	A4 ST/ST	3
3	"T" HANDLE	UNS S31600	3
4	GLAND ADJUSTER	UNS S31600	3
5	PACKING	RTFE	12
6	VALVE TIP	A564 UNS S17400	3
7	NEEDLE STEM	A479 UNS S31600	3
8	GLAND LOCKNUT	UNS S31600	3
9	BONNET HOUSING	A479 UNS S31600	3
10	BONNET SEAL	UNS S31600	3
11	ISOLATE DUST CAP	PVC	2
12	EQUALISE DUST CAP	PVC	1
13	CAM SCREW	A4 ST/ST	3
14	LOCKING CAM	UNS S31600	3

PART NO	CONNECTION SIZE	BORE	WEIGHT
3VBD4NS-TM	1/2" NPT	4	1.6 Kg

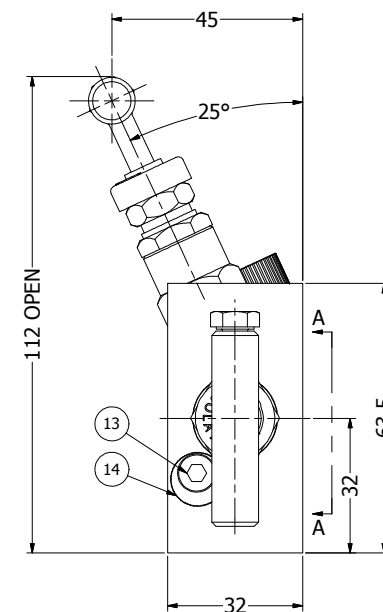
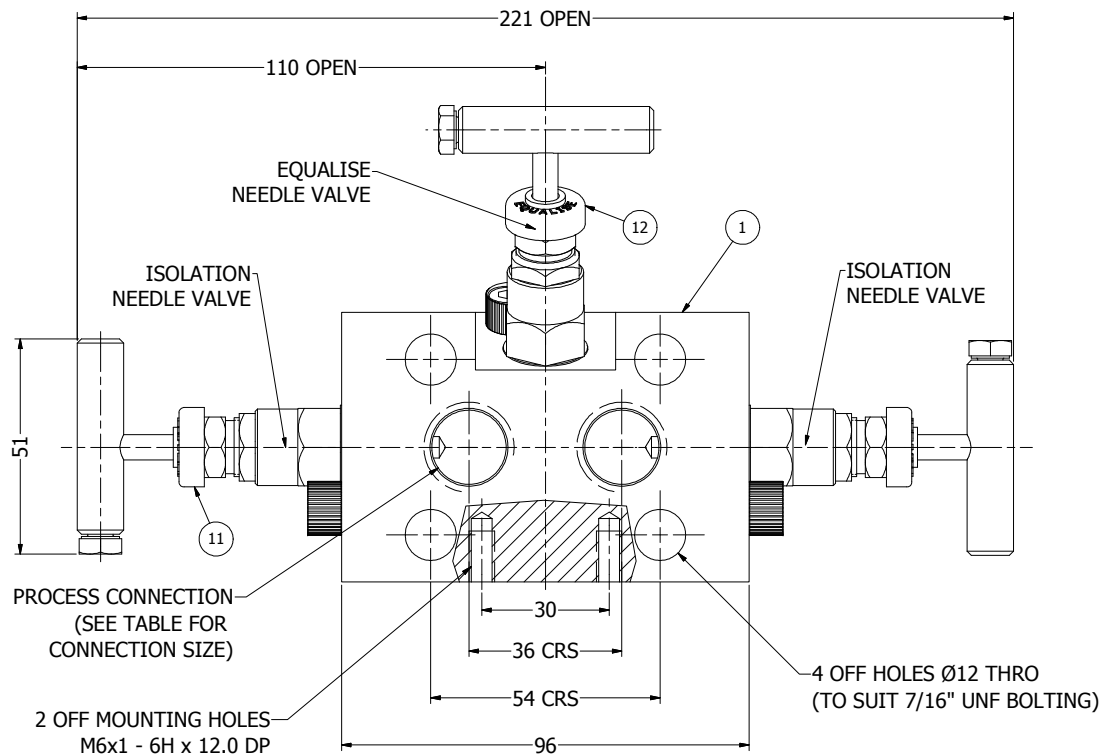


'IMPORTANT' - THIS DOCUMENT MAY CONTAIN CONTROLLED INFORMATION AND COULD THEREFORE REQUIRE EXPORT PERMISSIONS FROM RELEVANT AUTHORITIES IN YOUR COUNTRY

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



Brighouse, West Yorkshire,
United Kingdom
Tel: 01484 710511
Fax: 01484 502200
Intl: +44 1484 710511
Website: www.alco-valves.com
e-mail: uk@alco-valves.com

TITLE:

1/2" NPT FEMALE PROCESS x DIRECT MOUNT INSTRUMENT
'3VBD' SERIES NEEDLE MANIFOLD IN 316 ST/ST MATERIAL
COMPLETE WITH 'T'-BAR HANDLE. RATED 6,000psi.

SCALE:	N.T.S.
--------	--------

DATE: 05/05/2015

DRAWING NUMBER				DRWN	C.L.	CHKD	I.M.	APRD	A.P.M
3VBD#NS-TM TABULATED				REVISION No.		1			