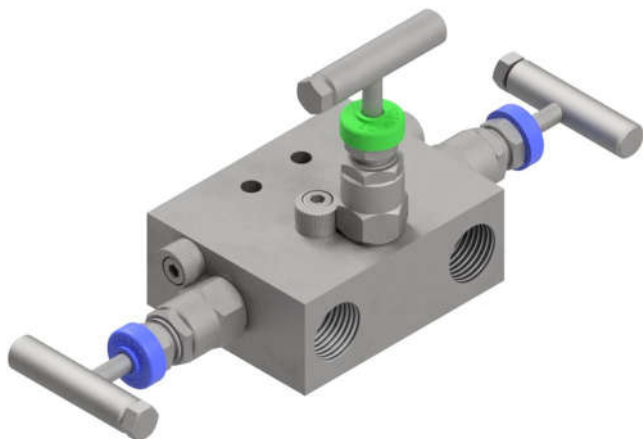


'3VR' SERIES NEEDLE MANIFOLD

3 Valve Needle Manifold 6,000 PSI



The three-valve isolation manifold remote mounted (pipe to pipe). Used mainly in differential pressure transmitters and static instrument applications. The '3VR' has two process isolation valves and one equalisation valve to equalise the two sides. Incorporated all the standard long service life features of the standard 'N' series needle valve, multi-ring piston style packing, back sealing facility. Mounting holes supplied as standard for wall or bracket. Process and instrument sides are both on 54mm centres to correspond with transmitter connections.

DESIGN FEATURES

• 2 x isolation and 1 x equalising valve for instrument balancing applications.	• Temperature range -40°C to 230°C (427°C with GP option)
• Additional purge ports available option -AP	• Ingress seals fitted as standard.
• All valves have 2-piece non-rotating hardened (17-4PH) tips as standard, for bubble tight shut off and long service life.	• Repair / service kits available to extend service life further.
• Metal to metal body bonnet seal for high pressure and high temperature sealing.	• Available in 316ss, Duplex, Monel and other exotic materials.
• 2 x 6mm diameter mounting holes as standard.	• Mounting holes as standard to allow for fixing to pipe stands or enclosures.
• Positive no slack stem action.	• Full material traceability.
• Unique anti-rotational cam device for extra safety.	• Materials of construction can be supplied to meet the requirements of NACE MR 0175.

REVISIONS

REV No.	DATE	DETAILS OF CHANGE	REV BY
1	01/05/2015	ISSUED	~~

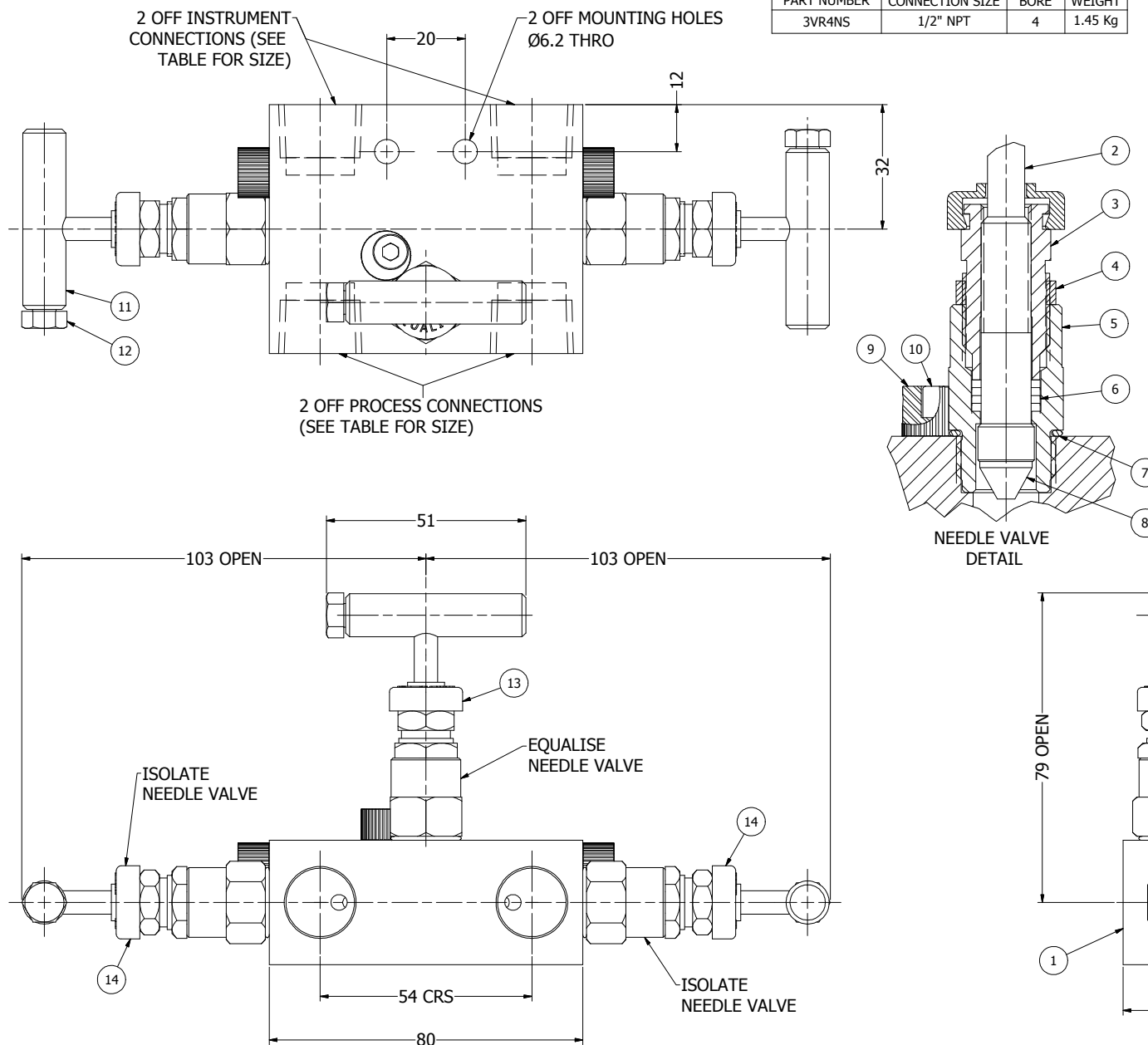
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'IMPORTANT' - THIS DOCUMENT
MAY CONTAIN CONTROLLED
INFORMATION AND COULD
THEREFORE REQUIRE EXPORT
PERMISSIONS FROM RELEVANT
AUTHORITIES IN YOUR COUNTRY

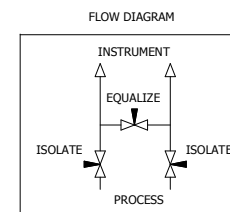
PRESSURE RATINGS ARE COLD WORKING, NON-SHOCK AND SUBJECT TO TEMPERATURE LIMITATIONS, UNLESS OTHERWISE STATED. PLEASE SEE SPECIFIC PRODUCT DATA

DIMENSIONS AND
DESIGNS
ARE SUBJECT TO CHANGE
WITHOUT PRIOR NOTICE

TYPICAL VALVE LAYOUT



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



TITLE: 1/2" NPT FEMALE PROCESS x FEMALE INSTRUMENT '3VR' SERIES REMOTE NEEDLE MANIFOLD IN 316 ST/ST MATERIAL COMPLETE WITH 'T'-BAR HANDLE. RATED 6,000psi.							SCALE: N.T.S.			
							DATE: 01/05/2015			
DRAWING NUMBER					DRWN	C.L.	CHKD	J.H.	APRD	I.M.
3VR#NS TABULATED					REVISION No.	1				