

'U2VR' SERIES NEEDLE MANIFOLD

2 Valve Needle Manifold 10,000 PSI



The two-valve isolating and venting manifold used mainly in gauge and static instrument applications such as pressure switches, pressure transmitters and manometers. The manifold will isolate instrumentation from the process and allow venting of the instrument for calibration / removal from the circuit without affecting the process / application and recovery of a sample, etc. Incorporated are all the standard long service life features of the standard 'UN' series needle valve, multi-ring piston style packing, back sealing facility. Mounting holes supplied as standard for pipe or wall mounting to suit quick installation.

DESIGN FEATURES

Offset vent valve for ease of operation.	Temperature range -40°C to 230°C (427°C with GP option)
Valve flow can be reversed so calibration can be conducted in situ.	Fine control of venting.
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.	Ingress seals fitted as standard.
Unique bonnet anti-rotational cam device.	Mounting holes as standard to allow for fixing to pipe stands or enclosures.
Positive no slack stem action.	Full material traceability.
Blanking plugs supplied as standard	Materials of construction can be supplied to meet the requirements of NACE MR 0175.

REVISIONS

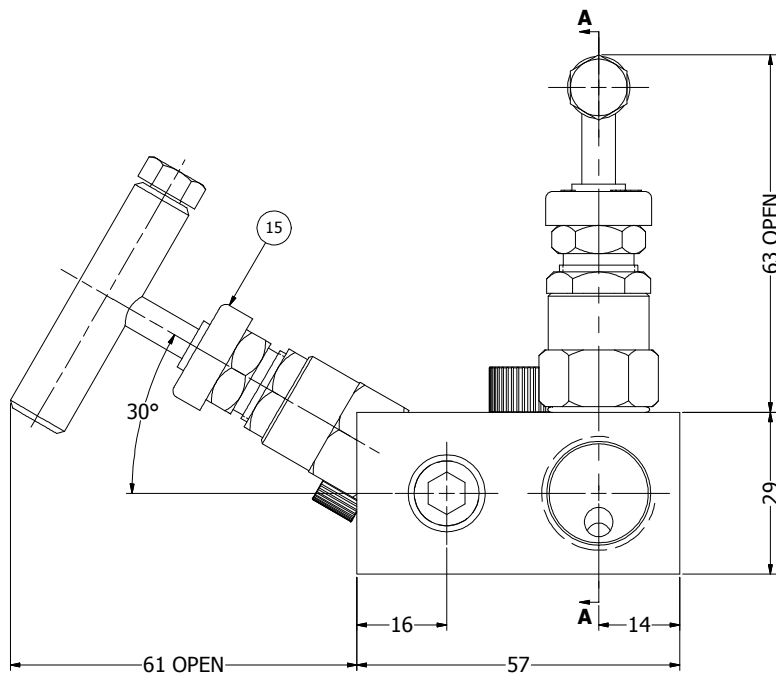
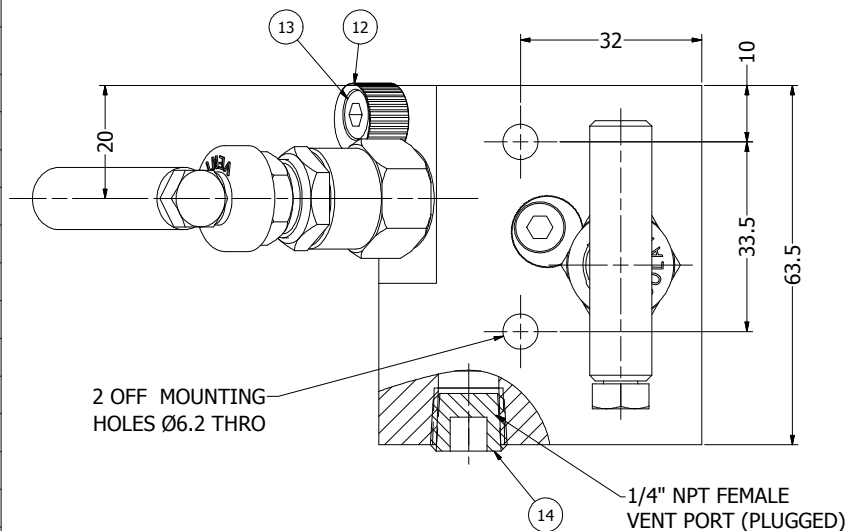
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IMPORTANT - THIS DOCUMENT
MAY CONTAIN CONTROLLED
INFORMATION AND COULD
THEREFORE REQUIRE EXPORT
PERMISSIONS FROM RELEVANT
AUTHORITIES IN YOUR COUNTRY

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

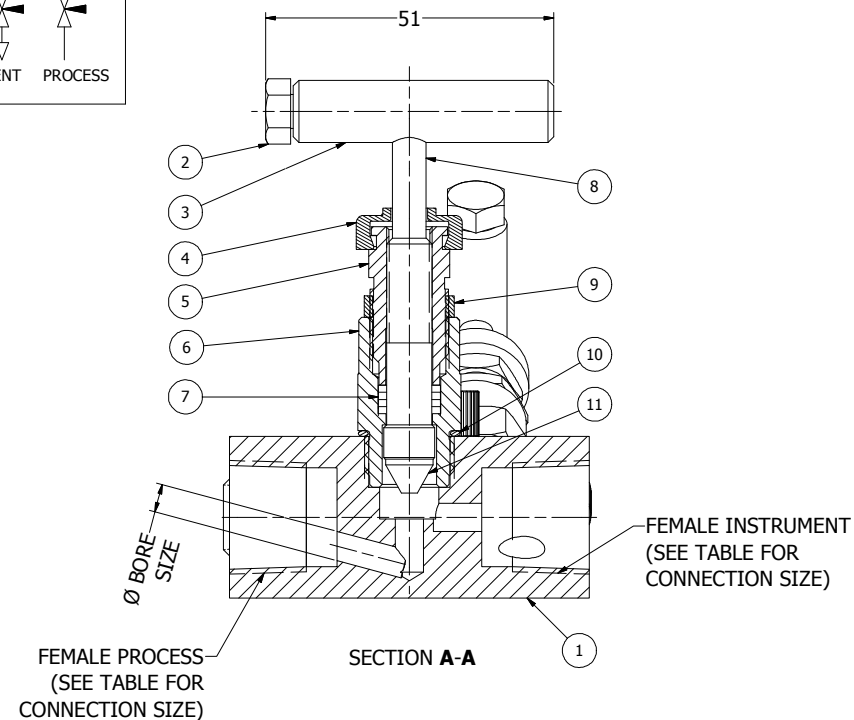
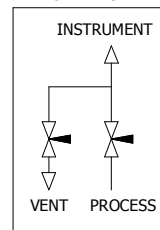
DIMENSIONS AND
DESIGNS
ARE SUBJECT TO CHANGE
WITHOUT PRIOR NOTICE

TYPICAL VALVE LAYOUT



PART NO	CONNECTION SIZE	BORE	CV	WEIGHT
U2VR2NS	1/4" NPT	5	0.7	0.96 Kg
U2VR4NS	1/2" NPT	5	0.7	0.92 Kg

FLOW DIAGRAM



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



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TITLE:

1/4" TO 1/2" NPT FEMALE INLET x FEMALE OUTLET
2-VALVE ANGLED REMOTE MOUNT MANIFOLD IN 316 ST/ST
1/4" NPT VENT (PLUGGED). WITH 'T' BAR HANDLE. RATED 10,000psi.

SCALE:	N.T.S.
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DATE: 20/02/2015

DRAWING NUMBER	DRWN	C.L.	CHKD	J.H.	APRD	I.M.
U2VR#NS TABULATED	REVISION No.	1				