

# 5VR Series Needle Manifold - Oil

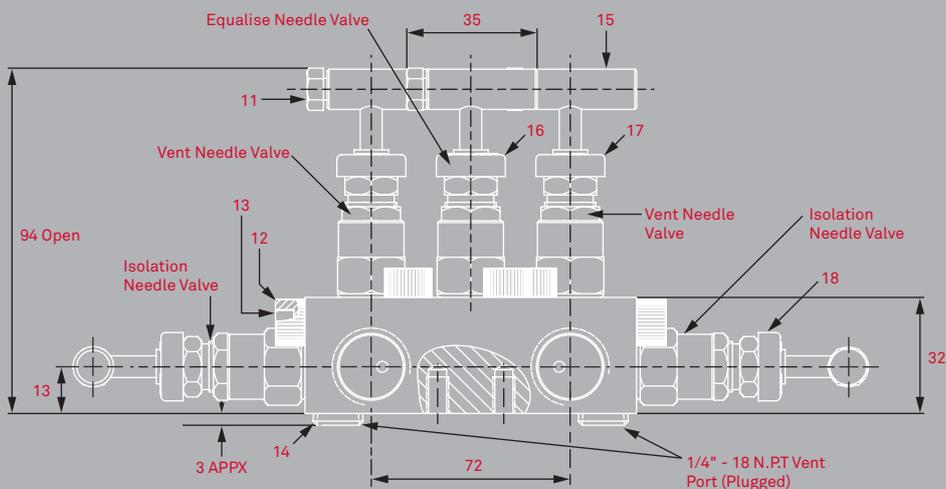
## Overview

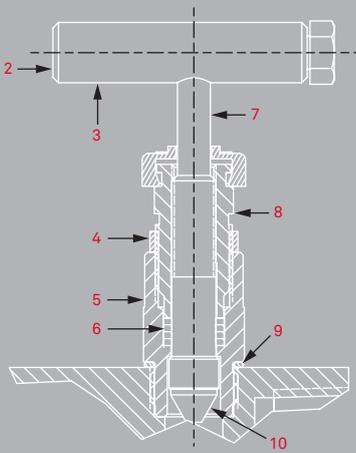
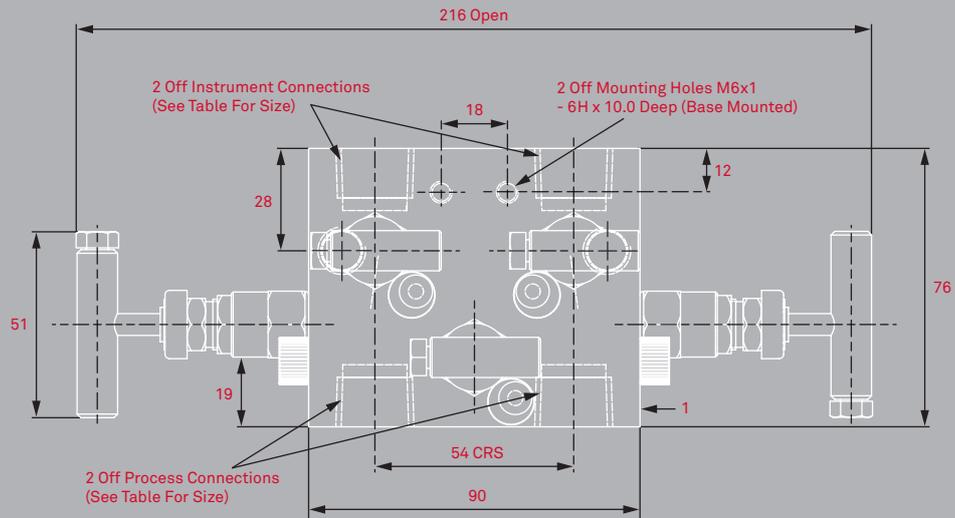
### 5 Valve Needle Manifold 6,000 PSI

Remote mounted, pipe to pipe configuration five valve manifold. Offering two isolation valves, two vent valves and one equalising valve (see attached drawing). Used in differential pressure transmitters and static instrument applications. Standard 2 x 1/2" inlet x 2 x 1/2" outlet all on 54mm instrument centres with 2 x 1/4" vent port. Incorporating 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 mounting.

## Design Features

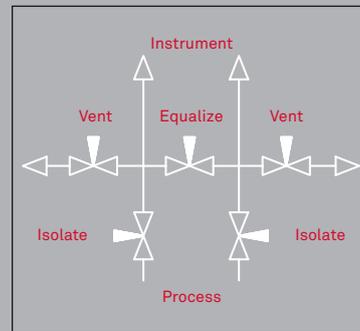
- All valves have 2-piece non-rotating hardened (17-4PH) tips as standard
- Positive no slack stem action
- Bubble tight shut off
- Vent porting in base for piping away (oil type only)
- Metal to metal body bonnet seal for high pressure and high temperature use
- Unique bonnet locking cam
- Ingress seals fitted as standard
- Temperature range -40°C to 230°C
- Available in 316/316L
- 54mm (2 1/8") instrument centres
- Full material traceability
- Oil configuration
- Repair/service kit available to extend field life further
- Materials of construction supplied to meet the requirements of NACE MR 0175





Needle Valve Details

Flow Diagram



Components Key

Item No.	Description	Material	Quantity
1	VALVE BODY	A479 UNS S31600	1
2	M6 X 20 HEX BOLT	A4 ST/ST	2
3	"T" HANDLE	UNS S31600	2
4	GLAND LOCKNUT	UNS S31600	5
5	BONNET HOUSING	A479 UNS S31600	5
6	PACKING	RTFE	20
7	NEEDLE STEM	A479 UNS S31600	5
8	GLAND ADJUSTER	UNS S31600	5
9	INGRESS SEAL	VITON	5
10	VALVE TIP	A564 UNS S17400	5
11	M6 X 12 HEX BOLT	A4 ST/ST	3
12	LOCKING CAM	UNS S31600	5
13	CAM SCREW	A4 ST/ST	5
14	BLANK PLUG	A479 UNS S31600	2
15	"T" HANDLE (SHORT)	UNS S31600	3
16	EQUALISE DUST CAP	PVC	1
17	VENT DUST CAP	PVC	2
18	ISOLATE DUST CAP	PVC	2

Dimensions shown are in metric mm

Part no. 5VR4NS-O Connection size 1/2" NPT Bore 3 CV 0.4 Weight 2.1 Kg

# 5VR Series Needle Manifold - Gas

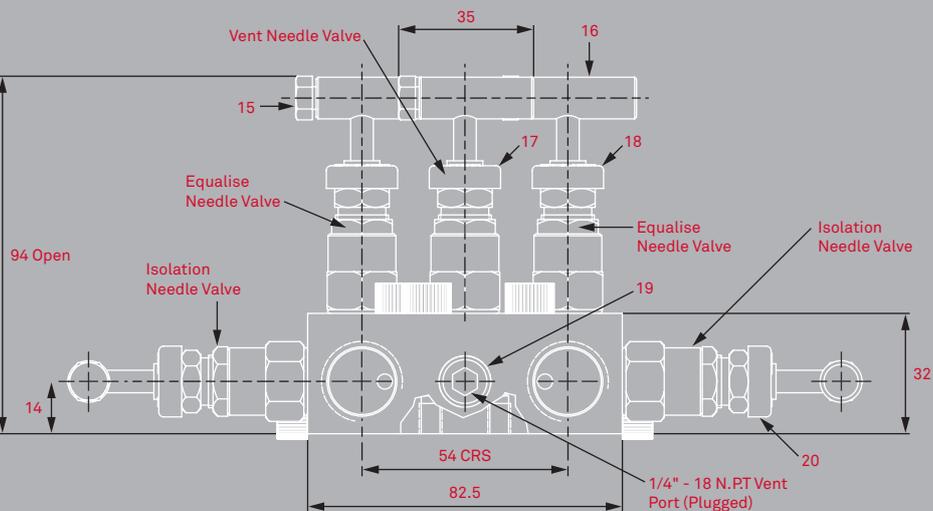
## Overview

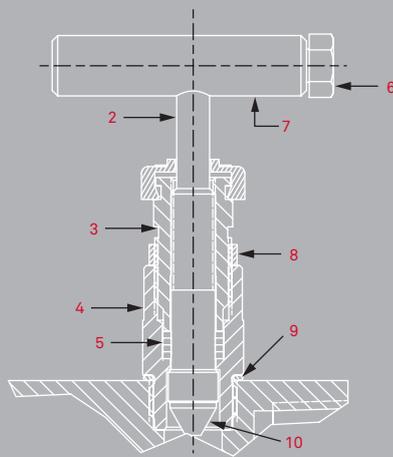
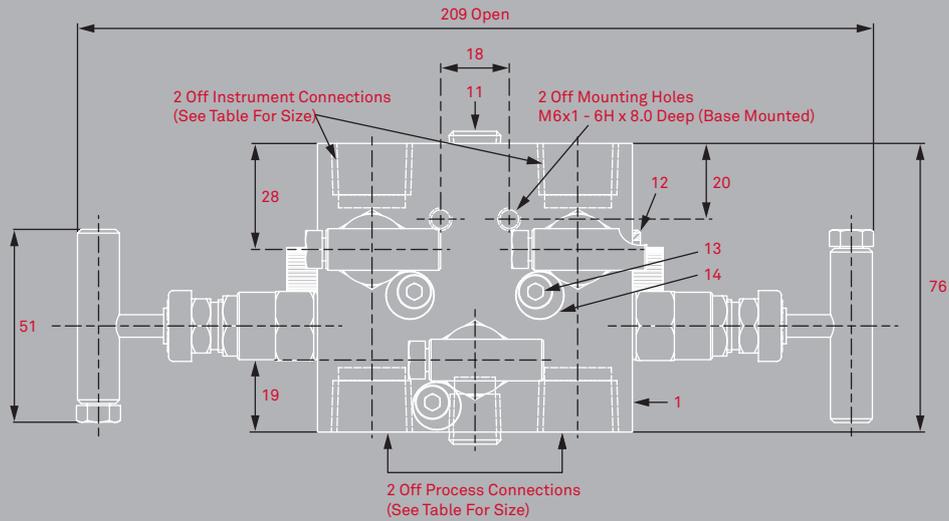
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Remote mounted, pipe to pipe configuration five valve manifold. Offering two isolation valves, one vent valve and two equalising valves (see attached drawing). Used in differential pressure transmitters and static instrument applications. Standard 2 x 1/2" inlet x 2 x 1/2" outlet all on 54mm instrument centres with 2 x 1/4" vent port. Incorporating 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 mounting.

## Design Features

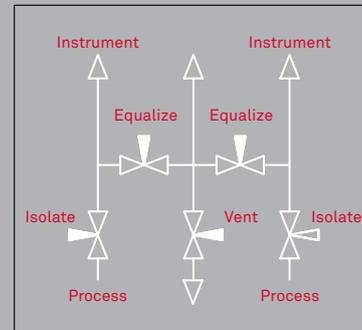
- All valves have 2-piece non-rotating hardened (17-4PH) tips as standard
- Positive no slack stem action
- Bubble tight shut off
- Metal to metal body bonnet seal for high pressure and high temperature use
- Unique bonnet locking cam
- Ingress seals fitted as standard
- Temperature range -40°C to 230°C
- Available in 316/316L
- 54mm (2 1/8") instrument centres
- Full material traceability
- Gas configuration
- Repair/service kit available to extend field life further
- Materials of construction supplied to meet the requirements of NACE MR 0175





Needle Valve Details

Flow Diagram



Item No.	Description	Material	Quantity
1	VALVE BODY	A479 UNS S31600	1
2	NEEDLE STEM	A479 UNS S31600	5
3	GLAND ADJUSTER	UNS S31600	5
4	BONNET HOUSING	A479 UNS S31600	5
5	PACKING	RTFE	20
6	M6 X 20 HEX BOLT	A4 ST/ST	2
7	"T" HANDLE	UNS S31600	2
8	GLAND LOCKNUT	UNS S31600	5
9	INGRESS SEAL	VITON	5
10	VALVE TIP	A564 UNS S17400	5
11	1/4" NPT BLANK PLUG *	A479 UNS S31600	2
12	1/8" NPT BLANK PLUG *	A479 UNS S31600	1
13	CAM SCREW	A4 ST/ST	5
14	LOCKING CAM	UNS S31600	5
15	M6 X 12 HEX BOLT	A4 ST/ST	3
16	'T' HANDLE	UNS S31600	3
17	VENT DUST CAP	PVC	1
18	EQUALISE DUST CAP	PVC	2
19	1/4" NPT VENT PLUG	A479 UNS S31600	1
20	ISOLATE DUST CAP	PVC	2

Components Key

Dimensions shown are in metric mm

Part no. 5VR4NS-G Connection size 1/2" NPT Bore 4 CV 0.6 Weight 1.9 Kg

\* THESE PLUGS ARE USED SOLELY FOR THE PURPOSE OF RETAINING PRESSURE (DO NOT REMOVE)