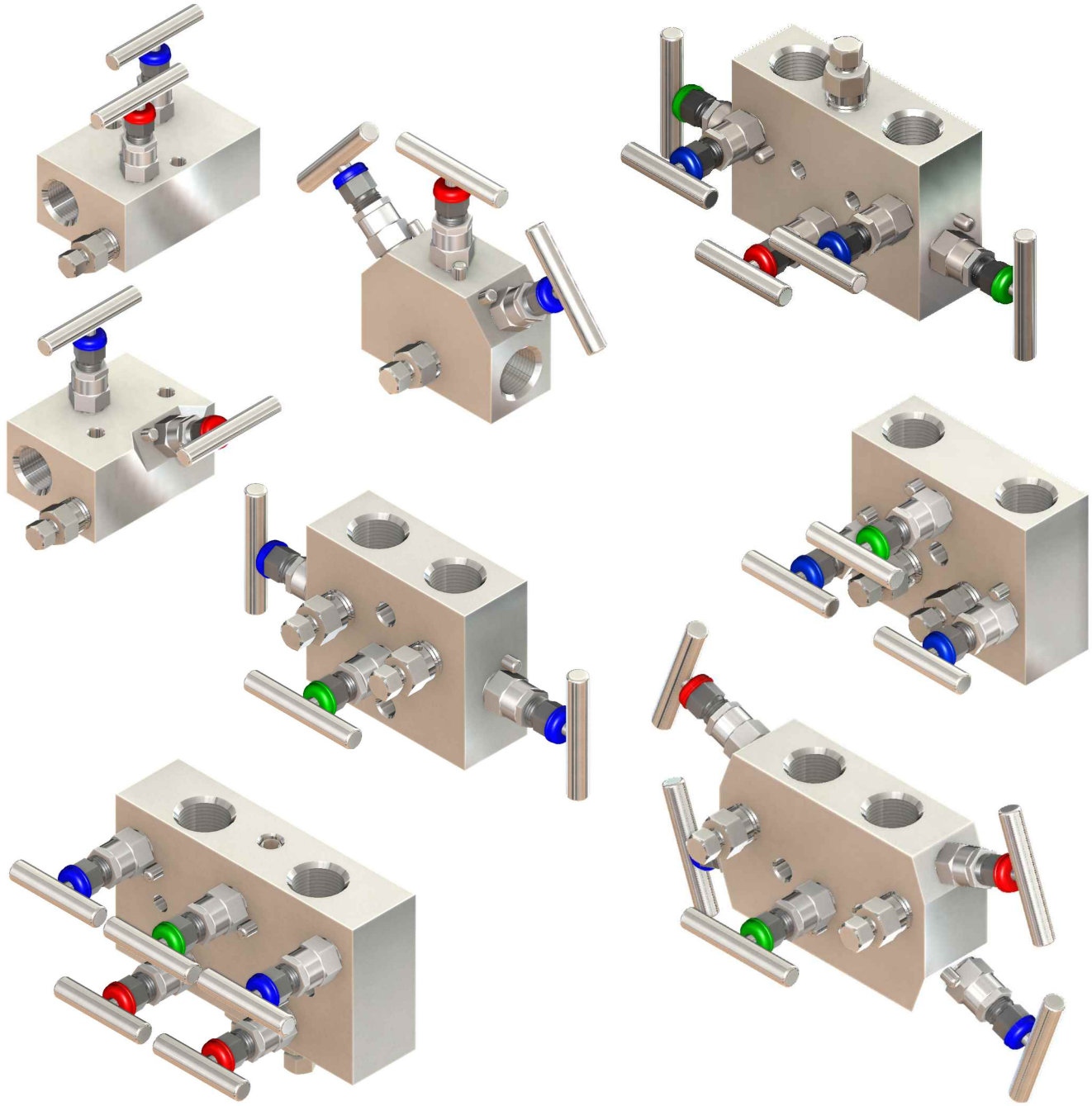
SUSTECH

PRECISION ISO 9001:2008



Remote Mount Manifolds

L Series

- Rated up to 10 000 psi
- Compact design
- Ease of use

www.sustech.com

sales@sustech.com I +27 11 452-9545

Contents

Manifolds and Accessories

Valvehead Design

Documentation

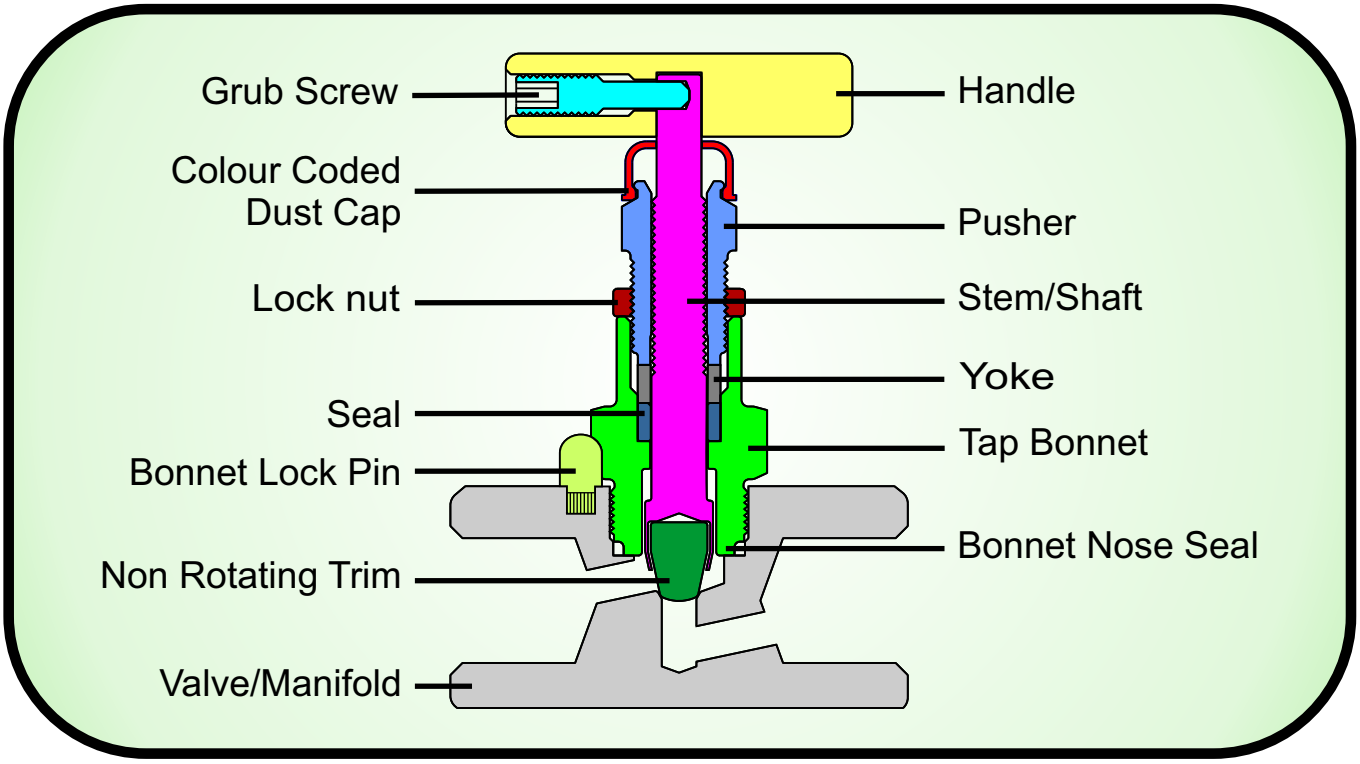
Remote Mount Manifolds

2 Way

3 Way

5 Way

L-Series Valve Head



Features and Benefits

- **Low Operating Torque**
- **Safety Back Seating of Stem**
- **Anti Blow-Out Shaft**
- **Stem Seal below the Threads**
- **Bonnet Seal located below Threads**
- **Bonnet Lock Pin**
- **Non-Rotating Ball-Nose Trim**
- **External adjustment of packing seal**
- **Stem dust cap**
- **Colour Coded Valve Function**
- **Tracker Code**
- **Hidden Tap Handle Locating Screw**
- **Full Traceability**
- **Locknut**
- **Seal Yoke**
- **Low Friction Coating on Pusher**
- **Mirror Finish Burnished Stem Seal Surface**
- **Single Point Machined Threads**
- **2 Times Overpressure Safety Margin**
- **100% Pressure Tested**
- **Anti Tamper Option Available** (with removable key)
- **Lockable Option Available** (with contained key)
- **Panel Mount Option Available**

L-Series Valve Head

Features and Benefits Explained

Safety Back Seating of Stem
This function prevents accidental removal of the stem while in operation. When the tap is in the fully opened position the stem produces a metal to metal secondary back seal, removing continuous pressure from the packing.

Anti Blow-Out Shaft
Reduces risk of injury as the shaft will be contained in the unlikely event of a shaft thread failure due to unforseen circumstances.

Stem Seal below the Threads
This isolates the stem threads from the process media, preventing thread corrosion and keeps solids from entering the thread area which can cause galling. It also isolates the thread lubricant from the process, preventing process contamination as well as lubricant washout.

Bonnet Seal located below Threads
A metal to metal seal is utilized to provide a positive seal that also provides a great seal even at high temperatures. This seal is located below the bonnet threads isolating the bonnet threads from the process media.

Bonnet Lock Pin
All taps are secured by a Bonnet lock pin. These pins are machined from billet rather than using a roll pin. The end result is a shouldered bonnet dwell pin that is knurled on the insertion point.

Non-Rotating Ball-Nose Trim
This stops galling or damage to the seat face by allowing the trim to not rotate while lift off of, and seating down on, the seating surface. For added security the trim is produced from billet rather than using a sphere (pure ball) as a ball does not have polarity. This ensures the trim can only rotate around the same axis as the stem.

External adjustment of packing seal
The stem seal can be easily adjusted in position, without any disassembly of the valve or manifold.

Stem dust cap
Protects stem threads against contaminants in the atmosphere.

Colour Coded Valve Function
Tap function easily identifiable through colour coded dust caps.

Tracker Code
All taps are assembled with a tracker code to ensure 100% traceability.

Full Traceability
All components are fully traceable back to source.

Locknut
Ensures safe operation under high vibration conditions.

Seal Yoke
The high precision yoke provides good encapsulation and integrity of the stem seal.

Low Friction Coating on Pusher
The low friction coating is applied to the pusher so that both the stem threads and seal adjusting threads are protected. This greatly reduces friction, galling and wear of the stem threads increasing valve life. It also supplies protection to the seal adjusting threads.

Hidden Tap Handle Locating Screw
This improves the feel to the user when operating the tap as there are no sharp edges or protruding bolts.

Mirror Finish Burnished Stem Seal Surface
The face where the seal contacts the stem is burnished to a mirror like finish. This reduces operating torque and extends the life of the seal

Single Point Machined Threads
Produces high accuracy threads as opposed to tapping. This ensures NACE compliance as no cold working operations such as thread rolling are performed on the material.

2 Times Overpressure Safety Margin

100% Pressure Tested
Each valve is tested with nitrogen gas to a minimum of 1000 psi. Optional 1.5X hydrostatic testing is available on special request.

Anti Tamper Option Available (with removable key).

Lockable Option Available (with contained key).
This option has a handle and key which can be disengaged from the stem and locked using a traditional padlock. The main advantage of this option is that the handle and key remain attached to the valve or manifold reducing the possibility of losing the key.

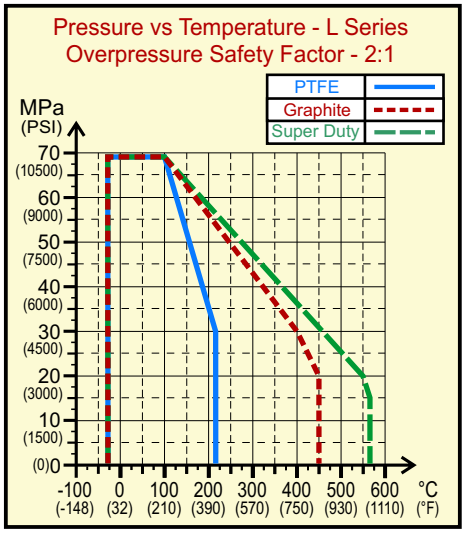
Panel Mount Option Available

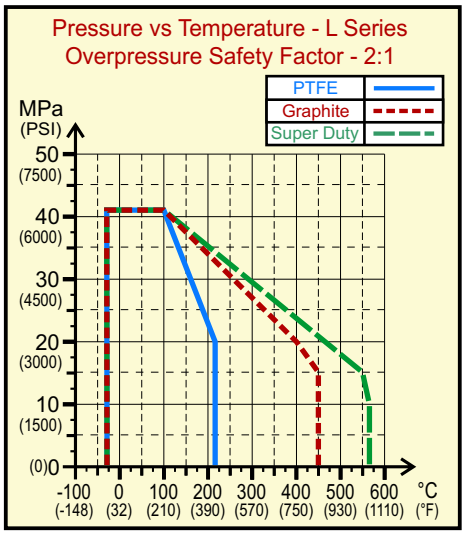
Valve Head Materials,Pressure/Temperature Ratings

Standard Materials Makeup

Sustech's L Series valveheads are assembled with the best possible components. All wetted components of the valvehead are produced from the same material grade as the manifold body. When special alloys are used, the non wetted components will be produced from 316L SS. Below is a list of a few common materials to illustrate the list of materials used. Care should be taken to specify the correct material for the process media and conditions.

Component	316 SS Manifold	Monel 400 Manifold	Hastelloy C-276 Manifold	ASTM A105 Manifold
Tap Bonnet	316/316L SS	Monel 400	Hastelloy C-276	ASTM A105
Stem				304L SS
Trim				304L SS
Pusher	316/316L SS			ASTM A105
Yoke	316/316L SS			ASTM A105
Handle	316/316L SS			ASTM A105
Grub Screw	316/316L SS			304L SS
Bonnet Lock Pin	316/316L SS			316L SS
Lock Nut	316/316L SS			316L SS
Dust Cap	UV Stabalized Nylon			UV Stabalized Nylon
Packing Seal	PTFE or Graphite			PTFE or Graphite





Pressure/Temperature Ratings

10 000 psi Standard Pressure Version

PTFE PACKING

Maximum pressure 689 bar (10 000 psi) at -30 to 100° C (212° F)
Maximum pressure 310 bar (4 500 psi) at 215° C (420° F)

GRAFOIL® PACKING

Maximum pressure 689 bar (10 000 psi) at -30 to 100° C (212° F)
Maximum pressure 206 bar (3 000 psi) at 450° C (842° F)*

* For Super Duty High Temperature Power Valves contact Sustech for information

6 000 psi Standard Pressure Version

PTFE PACKING

Maximum pressure 413 bar (6 000 psi) at -30 to 100° C (212° F)
Maximum pressure 206 bar (3 000 psi) at 215° C (420° F)

GRAFOIL® PACKING

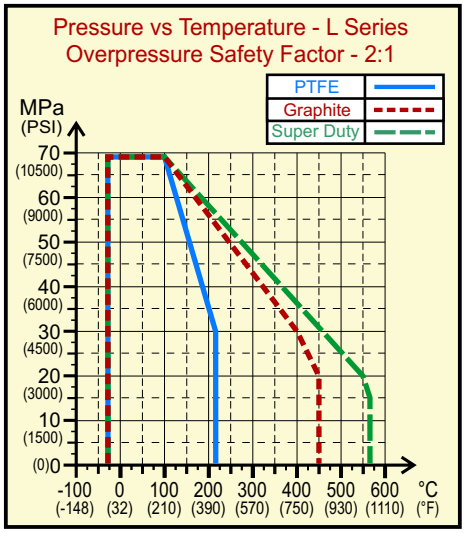
Maximum pressure 413 bar (6 000 psi) at -30 to 100° C (212° F)
Maximum pressure 155 bar (2 250 psi) at 450° C (842° F)*

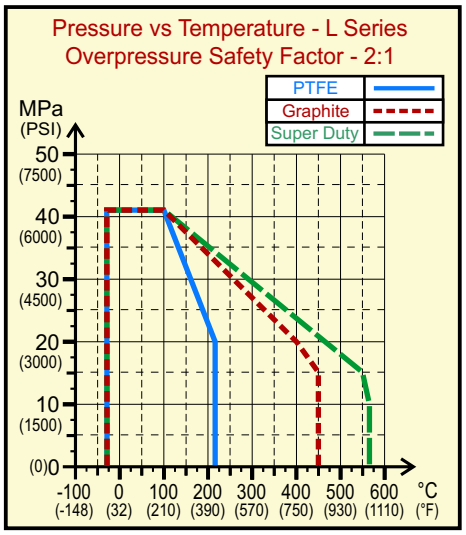
* For Super Duty High Temperature Power Valves contact Sustech for information

Materials Makeup of -STC or -STJ Option

Sustech's L Series valveheads are assembled with the best possible components. The Stem and Trim of the valvehead are produced from the specified material grade in the order (-STC for Hastelloy C-276, and -STJ for Monel 400). When special alloys are used, the non wetted components will be produced from 316L SS. Below is a list of a few common materials to illustrate the list of materials used. Care should be taken to specify the correct material for the process media and conditions.

Component	316 SS Standard Manifold	- STJ Monel 400	-STC Hastelloy C-276
Tap Bonnet	316/316L SS		
Stem	316/316L SS	Monel 400	Hastelloy C-276
Trim			
Pusher	316/316L SS		
Yoke	316/316L SS		
Handle	316/316L SS		
Grub Screw	316/316L SS		
Bonnet Lock Pin	316/316L SS		
Lock Nut	316/316L SS		
Dust Cap	UV Stabalized Nylon		
Packing Seal	PTFE or Graphite		





Pressure/Temperature Ratings

10 000 psi Standard Pressure Version

PTFE PACKING

Maximum pressure 689 bar (10 000 psi) at -30 to 100° C (212° F)
Maximum pressure 310 bar (4 500 psi) at 215° C (420° F)

GRAFOIL® PACKING

Maximum pressure 689 bar (10 000 psi) at -30 to 100° C (212° F)
Maximum pressure 206 bar (3 000 psi) at 450° C (842° F)*

* For Super Duty High Temperature Power Valves contact Sustech for information

6 000 psi Standard Pressure Version

PTFE PACKING

Maximum pressure 413 bar (6 000 psi) at -30 to 100° C (212° F)
Maximum pressure 206 bar (3 000 psi) at 215° C (420° F)

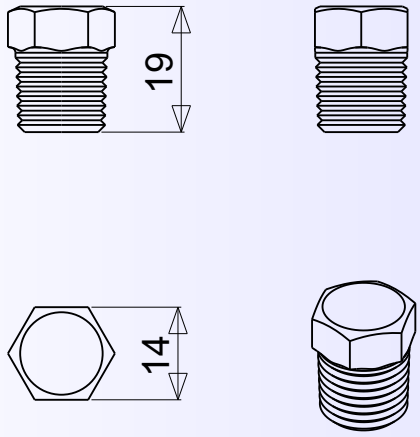
GRAFOIL® PACKING

Maximum pressure 413 bar (6 000 psi) at -30 to 100° C (212° F)
Maximum pressure 155 bar (2 250 psi) at 450° C (842° F)*

* For Super Duty High Temperature Power Valves contact Sustech for information

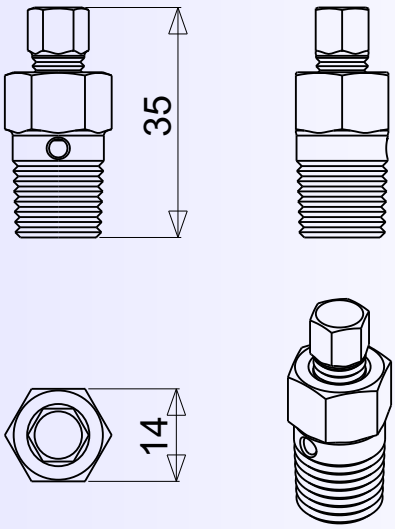
Accessories

Plug



Specifications subject to change without prior notification

Bleed Plug



Specifications subject to change without prior notification

The following vent/test port plugging options are available:

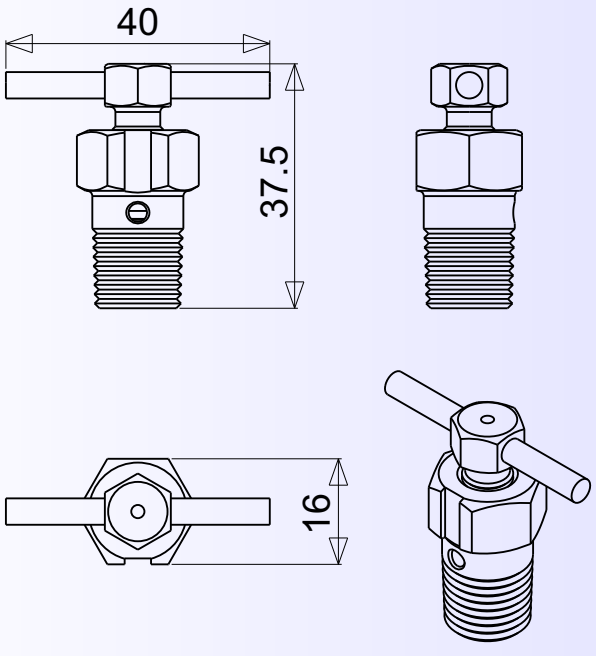
Plug - Standard plugging option.

Bleed Plug - Versatile option, allowing the user to bleed pressure off without removing the plug from the manifold.

T Bar Handle Bleed Plug - Further enhances ease of use by removing the need for tools to operate.

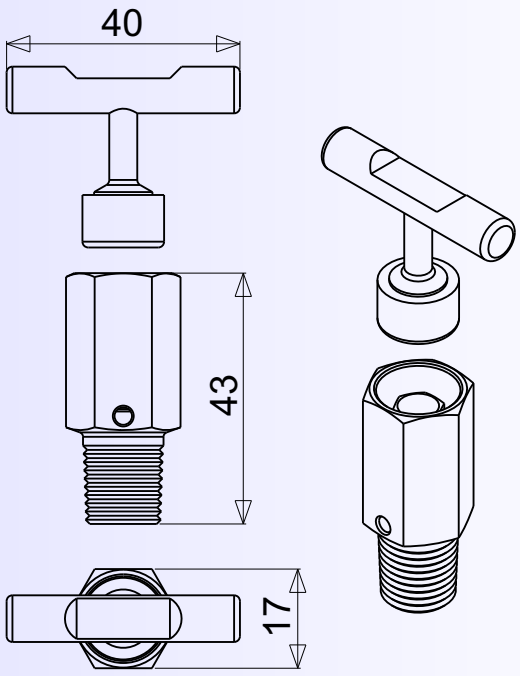
Anti-Tamper Bleed Plug - Provides added safety by offering a tamper resistant design. The removable key can be assigned to a designated user.

T Bar Handle Bleed Plug



Specifications subject to change without prior notification

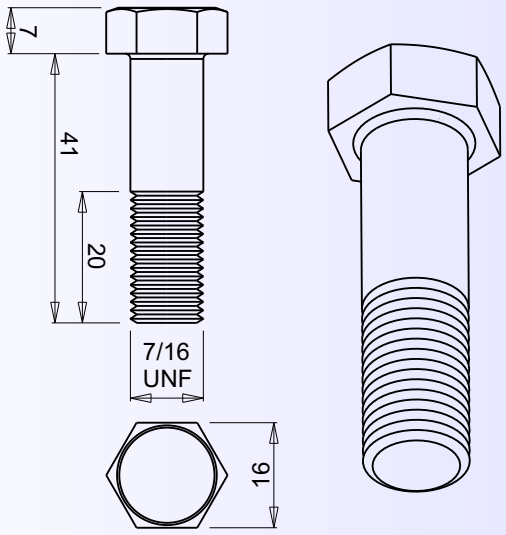
Anti-Tamper Bleed Plug



Specifications subject to change without prior notification

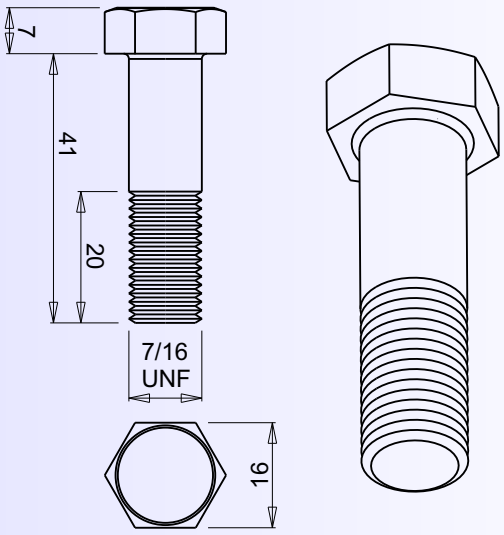
Accessories

Passivated Carbon Steel Bolt



Specifications subject to change without prior notification

Stainless Steel Bolt



Specifications subject to change without prior notification

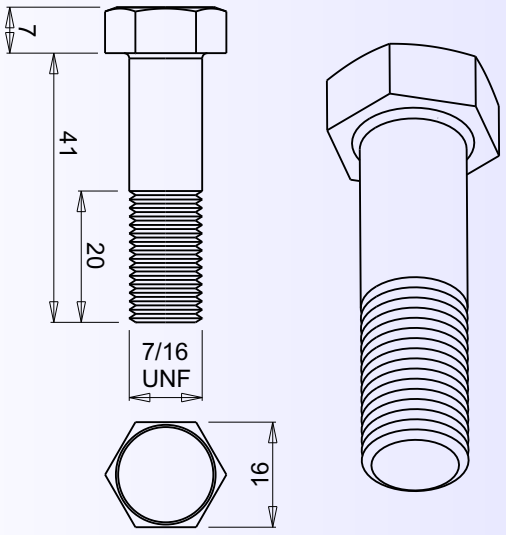
The following transmitter bolting options are available:

Passivated Carbon Steel Bolt - Standard bolting option. This is also the most cost effective option. The plating gives the bolts a gold appearance.

Stainless Steel Bolt - This option provides greater corrosion resistance in more aggressive environments.

Exotic Material Bolt - For the most demanding environments. These bolts are normally requested to be the same material as the manifold body.

Exotic Material Bolt



Specifications subject to change without prior notification

Material Certificates, Testing and Traceability

Material Certificates and Traceability

Each manifold that we assemble is assigned a traceability code which we call our assembly A-Number.

This entails the main body of the manifold being marked with an alpha numeric code. Furthermore, the individual valveheads are pre-assembled and get their own traceability code marked onto them before being installed into the manifold bodies. These codes link each component to manufacturing, assembly and mill test reports (MTR's).

The A-Number is stored in our ISO 9001 quality management system for traceability and future reference. This A-Number corresponds to our Material Certificate Register (MCR).

An MCR is supplied with every order to the customer. This document gives a list of the corresponding material batch numbers and grades for all wetted components used to assemble that specific batch of manifolds. Along with this MCR, mill test reports (MTR's) are also supplied in a mini databook. This can be supplied in either a PDF file or a hard copy format.

All valves/manifolds are marked to a minimum of MSS-SP-25. This will include manufacturers name, material of construction, traceability code (A number), part number, temperature and pressure rating. These markings are permanently marked onto the body by either a pin stamping or laser etching process. The material of construction marking pertains to all the wetted components in the valve/manifold

Testing and Quality Control

All components undergo 100% size testing during the manufacturing process. From there the components will be assembled into the final product which gets pressure tested to confirm correct operation. To keep to the highest possible standard, 100% of the finished products are tested.

Sustech's standard testing procedure conforms to MSS-SP-99*. Each manifold is tested in such a way that every valve seat in the manifold, as well as every valvehead's stem packing and bonnet to body seal is checked. This test utilizes pressurized nitrogen gas at a minimum of 1000 psi (MSS-SP-99 only requires 80 psi). Sustech does not permit any leakage at all through the seat or the stem packing during testing.

The results are then recorded and a report compiled.

* For code applications where a hydrostatic 1.5X over-pressure shell test needs to be performed, Sustech uses the MSS-SP-105 testing procedure. This testing is done on special request.

Specifications

Manufacturing Standards and Compliances

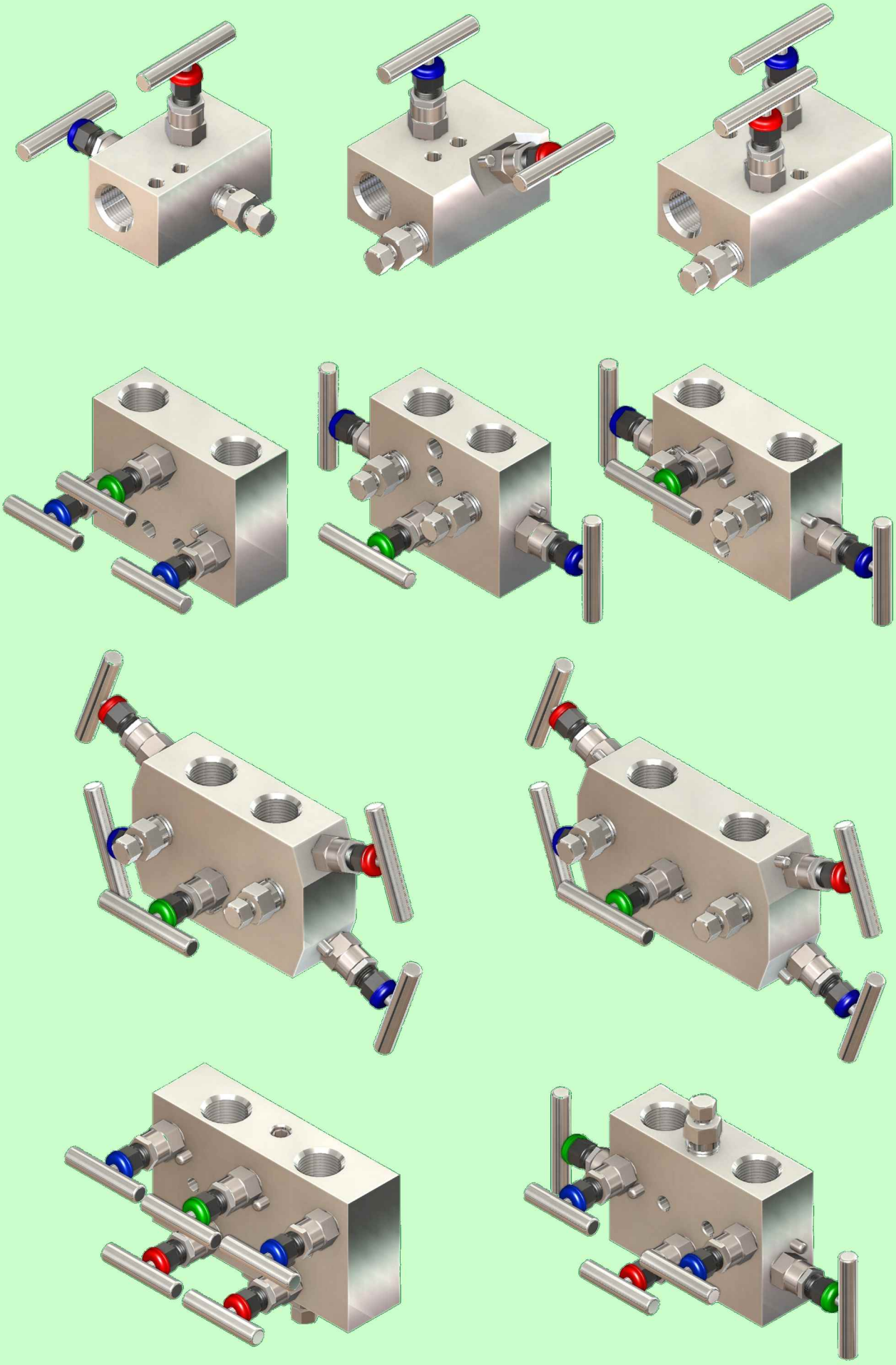
Sustech products are designed, manufactured and tested to the highest possible standards and can have the following standards and regulations applied as required:

ASME BPVC VIII Div 1	- ASME Boiler Pressure Vessel Code Section 8 Division 1
ASME B31.1	- Power Piping
ASME B31.3	- Process Piping
ASME B16.34	- Valves Flanged, Threaded
ISO 9001:2008	- Certified Quality System
MSS-SP-99	- Instrument Valves
MSS-SP-105	- Instrument valves for code applications
MSS-SP-25	- Standard marking system for valves, fittings, flanges and unions
MSS-SP-61	- Hydrostatic testing of steel valves
NACE	- National Association of Corrosion Engineers
NACE MR0175 / ISO 15156	- Materials for use in H2S-containing environments in oil and gas production
NACE MR0103	- Materials Resistant to Sulfide Stress Cracking in Corrosive Petroleum Refining Environments
NORSOK M650	- Qualification of manufacturers of special materials
EN 10204 3.1 or 3.2	- Mill Test Reports
ASME B1.20.1	- General Pipe Threads or high tolerance thread
ASTM A182	- Forged or Rolled Alloy - Steel Pipe Flanges, Forged Fittings, and Valves and Parts for High Temperature Service
ASTM A276	- Standard Specification for Stainless Steel Bars and Shapes
ASTM A479	- Stainless Steel Bars and Shapes for Use in Boilers and other Pressure Vessels
SANS 347	- Categorization and conformity assessment criteria for all pressure equipment
P.E.R	- Pressure Equipment Regulations (South Africa)
P.E.D	- Pressure Equipment Directive (Europe)
CSA	- Canadian Standards Association
CSA B51.03	- Boiler, Pressure Vessel, and Pressure Piping Code
CRN	- Canadian Registration Number
GOST	- State Standard of the Soviet Union

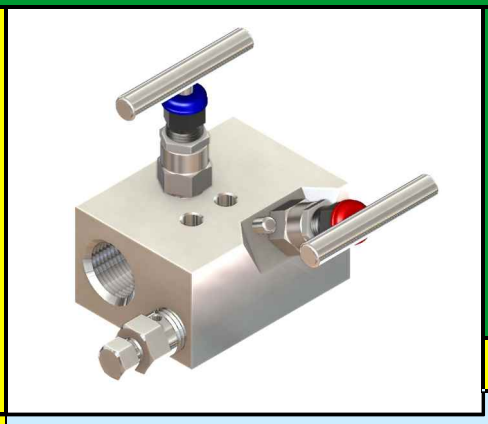
Pressure Equipment Directive (P.E.D 97/23/EC) (Europe)

Due to internal bore size and internal volumes up to and including 1”/25mm, products offered in this catalogue comply with S.E.P (Sound Engineering Practice) article 3, paragraph 3 of the Pressure Equipment Directive P.E.D 97/23/EC and therefore CE marking is not applicable.

Remote Mount Manifolds



2 Way Remote Mount Manifolds



Code	Range	Manifold Body Style	Seals Material Type	Pressure Rating	Material	Tap Options	Transmitter Connection	Options
	L2/	G	T	E	H	X	M	-OX

L2/	L Series 2 Way Manifold

O	90 degree Vent Port
P	Top Mounted Vent Tap
R	Inline Vent Port
DR	DBB (Isolate Vent Isolate)
IR	DIB (Isolate Isolate Vent)

T	PTFE Seals
C	PCTFE Seals (KEL-F)
F	Glass Filled PTFE
G	Graphite Seals

Blank	6 000 psi
E	10 000 psi

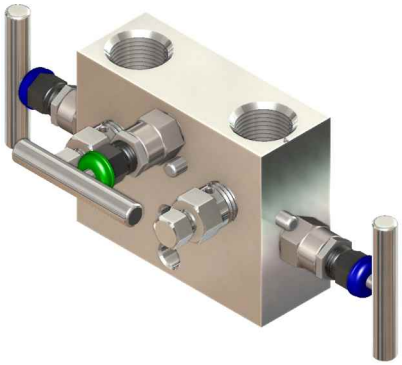
H	See Materials List (Refer to page16)

X	All Taps Standard "T" Bar
A	All Taps Anti-Tamper
H	All Taps Lockable (Captured)
K	Vent Taps Lockable (Captured)
L	Isolate Taps Lockable (Captured)
V	Vent Taps Anti-Tamper
Y	Isolate Taps Anti-Tamper

M	Remote Mount Connection

-OX	See Options List (Refer to page17)

3 Way Remote Mount Manifolds



Code	Range	Manifold Body Style	Seals Material Type	Pressure Rating	Material	Tap Options	Transmitter Connection	Options
	L3/	G	T	E	H	X	M	-OX

L3/	L Series 3 Way Manifold

O	All Taps on Top
P	Side Mounted Isolate Taps (Compact Design)
PQ	P Style with bleed ports included
R	Side Mounted Isolate Taps
RQ	R Style with bleed ports included

T	PTFE Seals
C	PCTFE Seals (KEL-F)
F	Glass Filled PTFE
G	Graphite Seals

Blank	6 000 psi
E	10 000 psi

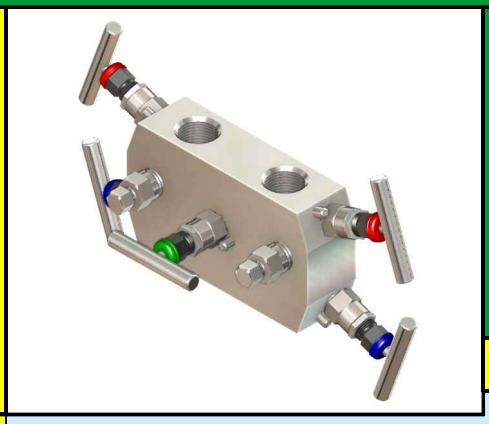
H	See Materials List (Refer to page16)

X	All Taps Standard "T" Bar
A	All Taps Anti-Tamper
H	All Taps Lockable (Captured)
K	Vent Taps Lockable (Captured)
L	Isolate Taps Lockable (Captured)
V	Vent Taps Anti-Tamper
Y	Isolate Taps Anti-Tamper

M	Remote Mount Connection

-OX	See Options List (Refer to page17)

5 Way Remote Mount Manifolds



Code	Range	Manifold Body Style	Seals Material Type	Pressure Rating	Material	Tap Options	Transmitter Connection	Options
	L5/	G	T	E	H	X	M	-OX

Range	
L5/	L Series 5 Way Manifold

Manifold Body Style	
G	All Taps on Top
P	Side Mounted Taps (Compact Design)
R	Side Mounted Taps
WD	Side Mounted Isolate Taps

Seals Material Type	
T	PTFE Seals
C	PCTFE Seals (KEL-F)
F	Glass Filled PTFE
G	Graphite Seals

Pressure Rating	
Blank	6 000 psi
E	10 000 psi

Material	
H	See Materials List (Refer to page16)

Tap Options	
X	All Taps Standard "T" Bar
A	All Taps Anti-Tamper
H	All Taps Lockable (Captured)
I	Equalize and Vent Taps Lockable (Captured)
J	Equalize Tap Lockable (Captured)
K	Vent Taps Lockable (Captured)
L	Isolate Taps Lockable (Captured)
T	Equalise Tap Anti-Tamper
U	Equalise and Vent Taps Anti-Tamper
V	Vent Taps Anti-Tamper
Y	Isolate Taps Anti-Tamper

Transmitter Connection	
M	Remote Mount Connection

Options	
-OX	See Options List (Refer to page17)

Materials

Code	Most Common Materials
H	316
L	316L
LD	316/316L Dual Certified
T	316 Ti
F	Alloy 20
K	ASTM A105
K2	ASTM A350 LF2
S	Duplex Stainless Steel
S2	Super Duplex Stainless Steel
J	Monel 400
C	Hastelloy C-276
C1	Hastelloy C-22
X	Inconel Alloy 625
Y	Inconel Alloy 825
4	304
U	Titanium Grade 5
	*Other materials available on request

Options

Code	Common Optional Extras
-ARC	Arctic Lube for service down to -57 degrees C
-M	Metering Trim
-OX	Oxygen Cleaning
-P	Plug installed in bleed / vent port
-Q	Bleed plug installed in bleed / vent port
-R	Bottom Mounting
-U	Upstream venting (Certain models only)
-T7	Trim in 17/4 PH Condition H1075
-BSTC	Hastelloy C-276 Bonnet & Shaft & Trim
-STC	Hastelloy C-276 Shaft & Trim
-STJ	Monel 400 Shaft & Trim
-TW	Tungsten carbide ball trim
-ZH	316 SS Transmitter bolting kit included.
-ZK	Carbon steel transmitter bolting kit included
	*Other options available on request

L2/O

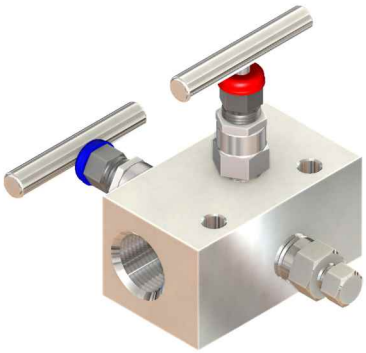
2 Way Remote Mount with 90 Degree Vent Port

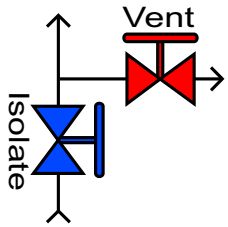
The L2/O manifold mounts remotely from pressure transmitters, gauges or switches. This design has a 90 degree split between the taps for maximum spacing between the tap handles.

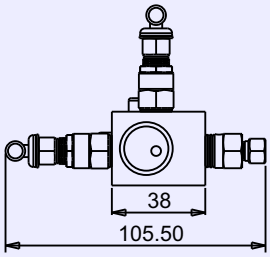
Specifications

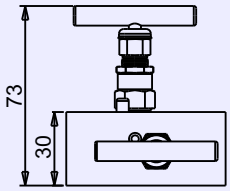
Type	2 Way Remote Mount Manifold
	Pipe to Pipe
Inlets	Female 1/2" NPT
Outlets	Female 1/2" NPT
Packing	PTFE
	Graphite
M.C.W.P Pressure	6 000 psi / 10 000 psi
Temperature Range	-30°C (-22°F) to 215°C (420°F) PTFE
	-30°C (-22°F) to 440°C (824°F) Graphite
Weight	0.63kg

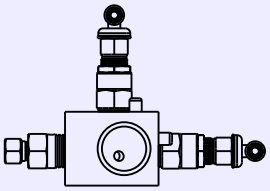
- **Lightweight**
- **Liquid and vapor service**
- **90 Degree tap orientation**
- **Wide spacing between tap handles**
- **Venting at 90 degrees to process connection face**
- **Remote mount and compact allowing flexible system design**
- **Full traceablilty**
- **100% Pressure tested**
- **Mounting holes for easy installation**
- **Available in most exotic materials (Pg16)**

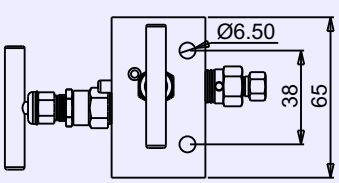


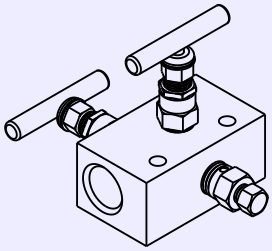












Specifications subject to change without prior notification

Bleed Plug shown for illustrative purposes only

L2/P

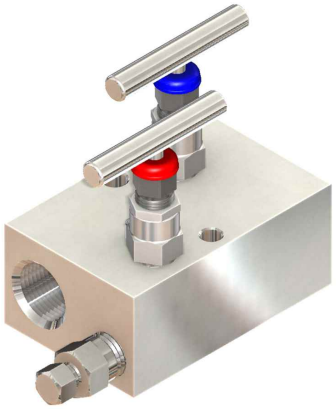
2 Way Remote Mount with Top Mounted Taps

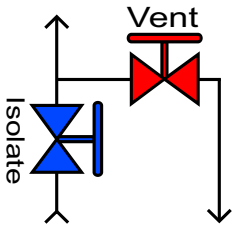
The L2/P manifold mounts remotely from pressure transmitters, gauges or switches. The all taps on top design allows this manifold to be panel mount for a neat system look.

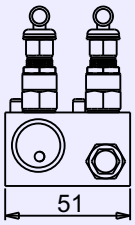
Specifications

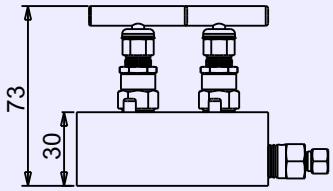
Type	2 Way Remote Mount Manifold
	Pipe to Pipe
Inlets	Female 1/2" NPT
Outlets	Female 1/2" NPT
Packing	PTFE
	Graphite
M.C.W.P Pressure	6 000 psi / 10 000 psi
Temperature Range	-30°C (-22°F) to 215°C (420°F) PTFE
	-30°C (-22°F) to 440°C (824°F) Graphite
Weight	0.98kg

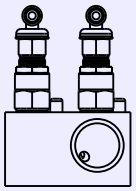
- **Lightweight**
- **Liquid and vapor service**
- **Venting on process connection face for easy piping**
- **Can be mounted to a flat surface**
- **All Taps on top design allows option to panel mount**
- **Remote mount and compact allowing flexible system design**
- **Full traceablilty**
- **100% Pressure tested**
- **Mounting holes for easy installation**
- **Available in most exotic materials (Pg16)**

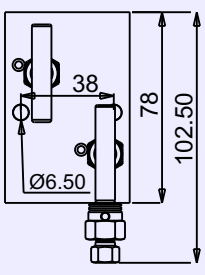


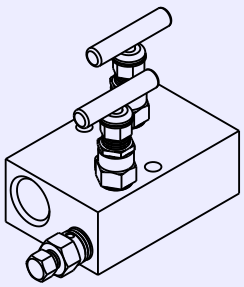












Specifications subject to change without prior notification

Bleed Plug shown for illustrative purposes only

L2/R

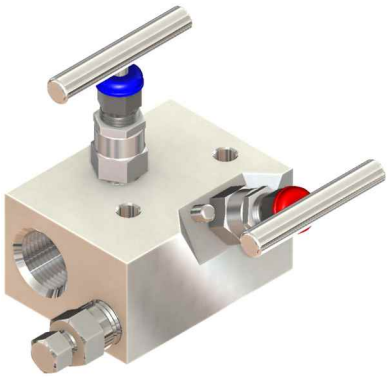
2 Way Remote Mount with Inline Vent Port

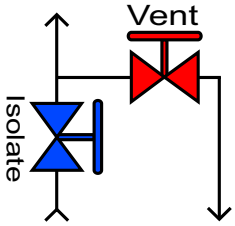
The L2/R manifold mounts remotely from pressure transmitters, gauges or switches. Utilizing an angled tap design, this manifold can be easily mounted onto a flat surface.

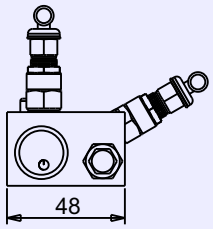
Specifications

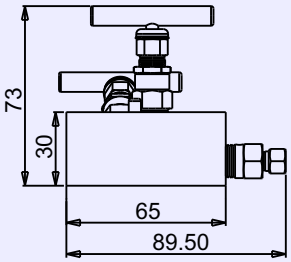
Type	2 Way Remote Mount Manifold
	Pipe to Pipe
Inlets	Female 1/2" NPT
Outlets	Female 1/2" NPT
Packing	PTFE
	Graphite
M.C.W.P Pressure	6 000 psi / 10 000 psi
Temperature Range	-30°C (-22°F) to 215°C (420°F) PTFE
	-30°C (-22°F) to 440°C (824°F) Graphite
Weight	0.77kg

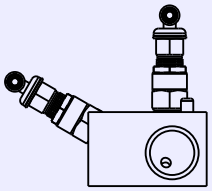
- **Compact body**
- **Lightweight**
- **Liquid and vapor service**
- **Angled vent tap allowing mounting to a flat surface**
- **Venting on process connection face for easy piping**
- **Remote mount and compact allowing flexible system design**
- **Full traceablilty**
- **100% Pressure tested**
- **Mounting holes for easy installation**
- **Available in most exotic materials (Pg16)**

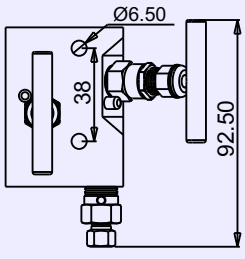


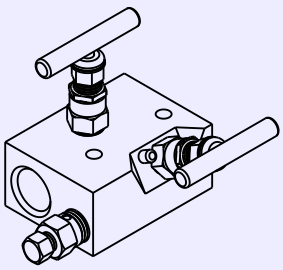












Specifications subject to change without prior notification

Bleed Plug shown for illustrative purposes only

L2/DR

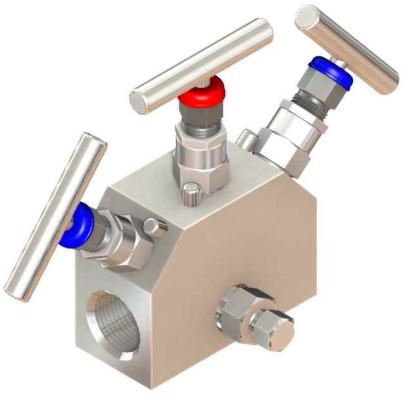
2 Way DBB Remote Mount Inline Manifold

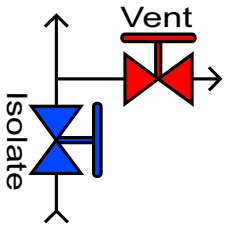
The L2/DR DBB remote mount inline manifold is ideal for limited space and panel installations. The Double Block and Bleed design provides maximum safety by ensuring “Positive Energy Isolation” as it utilizes the industry known Isolate Vent Isolate pattern. It is ideal for limited space and panel installations. There are many cost saving aspects to this manifold such as easy installation and reduced installation time. It also reduces the amount of leak paths in the system.

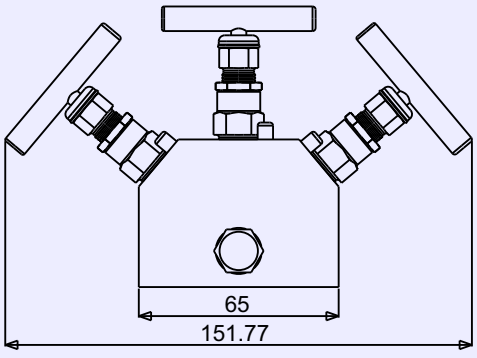
- **Lightweight**
- **Double Block and Bleed Design (DBB)**
- **Liquid and vapor service**
- **Venting on the front face**
- **Reduced cost by eliminating multi valve systems**
- **Reduces installation time**
- **Reduced leak paths**
- **Remote mount and compact allowing flexible system design**
- **Full traceablilty**
- **100% Pressure tested**
- **Mounting holes for easy installation**
- **Available in most exotic materials (Pg16)**

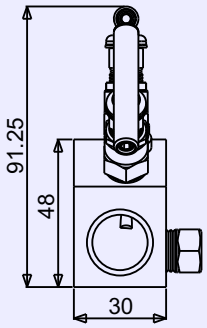
Specifications

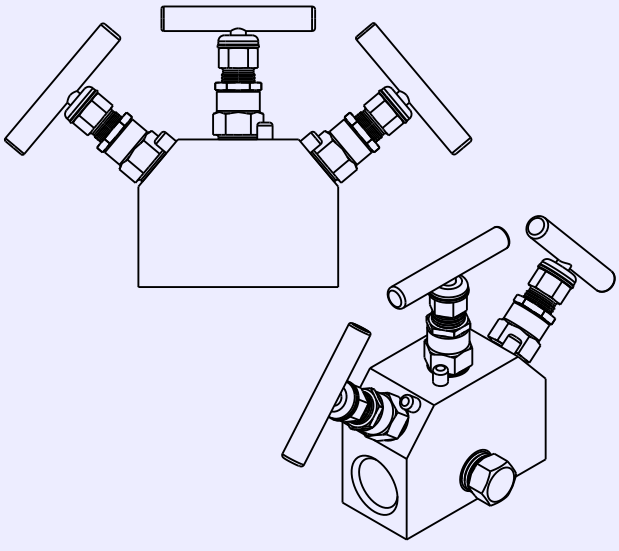
Type	2 Way DBB Remote Mount Inline
	Pipe to Pipe
Inlets	Female 1/2” NPT
Outlets	Female 1/2” NPT
Packing	PTFE
	Graphite
M.C.W.P Pressure	6 000 psi / 10 000 psi
Temperature Range	-30°C (-22°F) to 215°C (420°F) PTFE
	-30°C (-22°F) to 440°C (824°F) Graphite
Weight	0.78kg

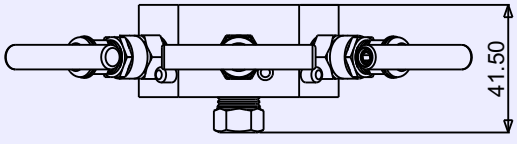












Specifications subject to change without prior notification

Bleed Plug or Plug shown for illustrative purposes only

L2/IR

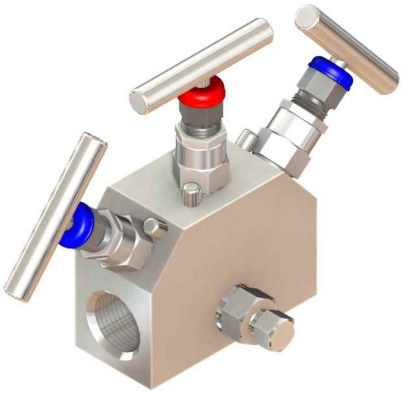
2 Way DIB Remote Mount Inline Manifold

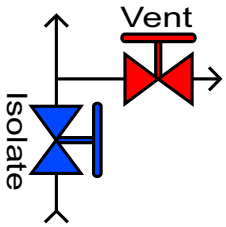
The L2/IR manifold mounts remotely from standard pressure transmitters. It utilizes an Isolate Isolate Vent pattern which allows double isolation of the process side. Great cost benefits are achieved due to the elimination of multi valve systems. It is ideal for limited space and panel installations. There are many cost saving aspects to this manifold such as easy installation and reduced installation time. It also reduces the amount of leak paths in the system.

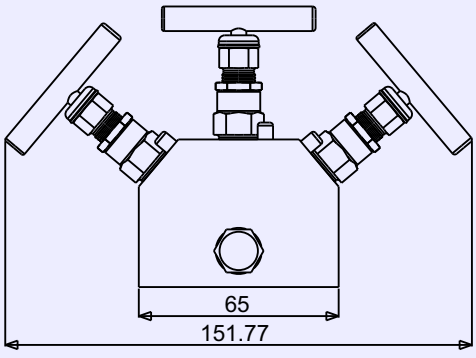
Specifications

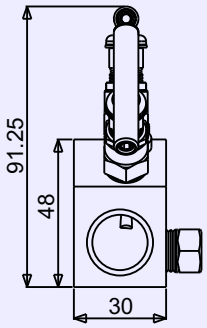
Type	2 Way DIB Remote Mount Inline
	Pipe to Pipe
Inlets	Female 1/2" NPT
Outlets	Female 1/2" NPT
Packing	PTFE
	Graphite
M.C.W.P Pressure	6 000 psi / 10 000 psi
Temperature Range	-30°C (-22°F) to 215°C (420°F) PTFE
	-30°C (-22°F) to 440°C (824°F) Graphite
Weight	0.78kg

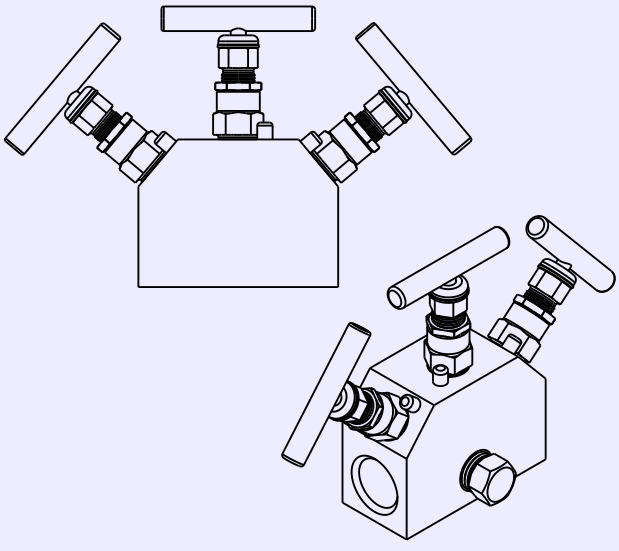
- **Lightweight**
- **Double Isolate and Bleed Design (DIB)**
- **Simplifies installation by eliminating multi valve systems**
- **Reduces installation time**
- **Reduced leak paths**
- **Liquid and vapor service**
- **Venting on the front face**
- **Remote mount and compact allowing flexible system design**
- **Full traceablilty**
- **100% Pressure tested**
- **Mounting holes for easy installation**
- **Available in most exotic materials (Pg16)**

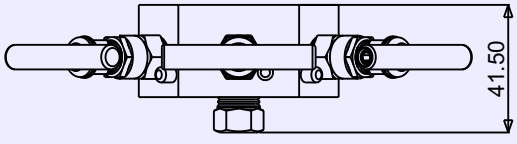












Specifications subject to change without prior notification

Bleed Plug or Plug shown for illustrative purposes only

L3/G

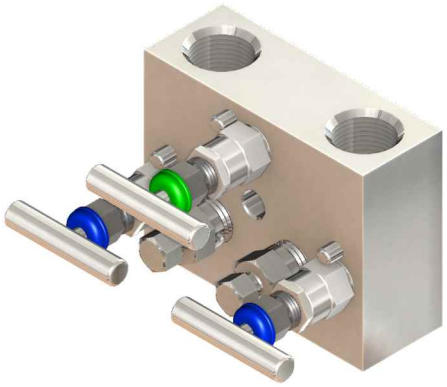
3 Way Remote Mount Manifold with All Taps on Top

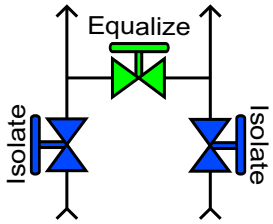
The L3/G manifold mounts remotely from differential pressure transmitters. With all the taps on top this manifold can be panel mounted for a tidy system look.

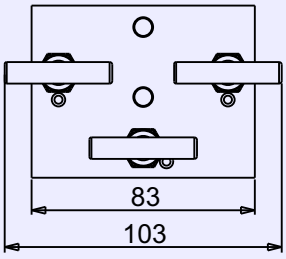
Specifications

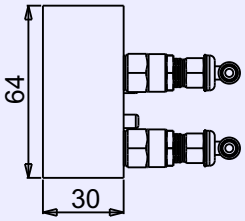
Type	3 Way Remote Mount Manifold
	Pipe to Pipe
Inlets	Female 1/2" NPT
Outlets	Female 1/2" NPT
Packing	PTFE
	Graphite
M.C.W.P Pressure	6 000 psi / 10 000 psi
Temperature Range	-30°C (-22°F) to 215°C (420°F) PTFE
	-30°C (-22°F) to 440°C (824°F) Graphite
Weight	1.24kg

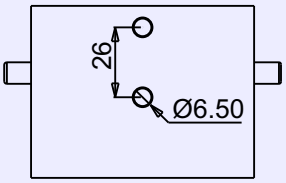
- **Lightweight**
- **Liquid and vapor service**
- **Remote mount and compact allowing flexible system design**
- **All Taps on top design allows option to panel mount**
- **54mm Process and instrument connection PCD's**
- **Available with and without bleed ports**
- **Full traceablilty**
- **100% Pressure tested**
- **Mounting holes for easy installation**
- **Available in most exotic materials (Pg16)**

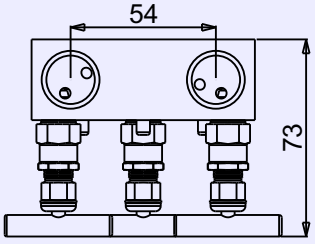


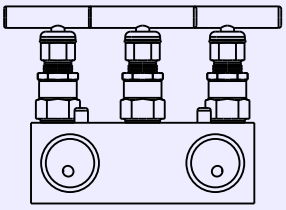


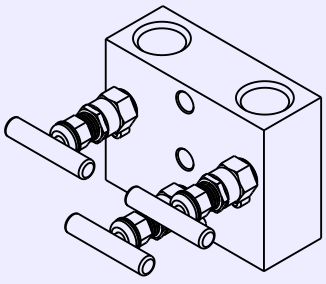












Specifications subject to change without prior notification

L3/P

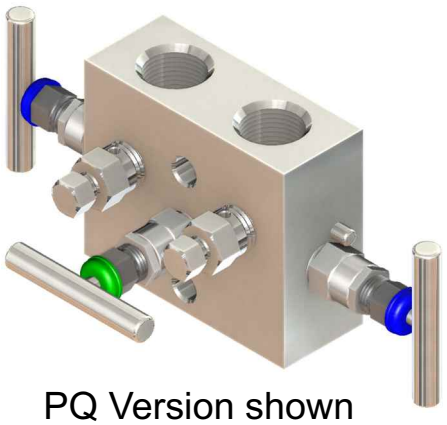
3 Way Remote Mount Manifold with Side Mounted Isolate Taps (Compact Design)

The L3/P manifold mounts remotely from pressure transmitters, gauges or switches. Ultra compact and lightweight design for the space and cost conscious. Mounts remotely from the transmitter.

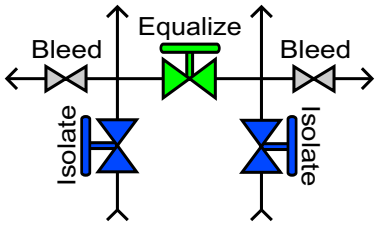
Specifications

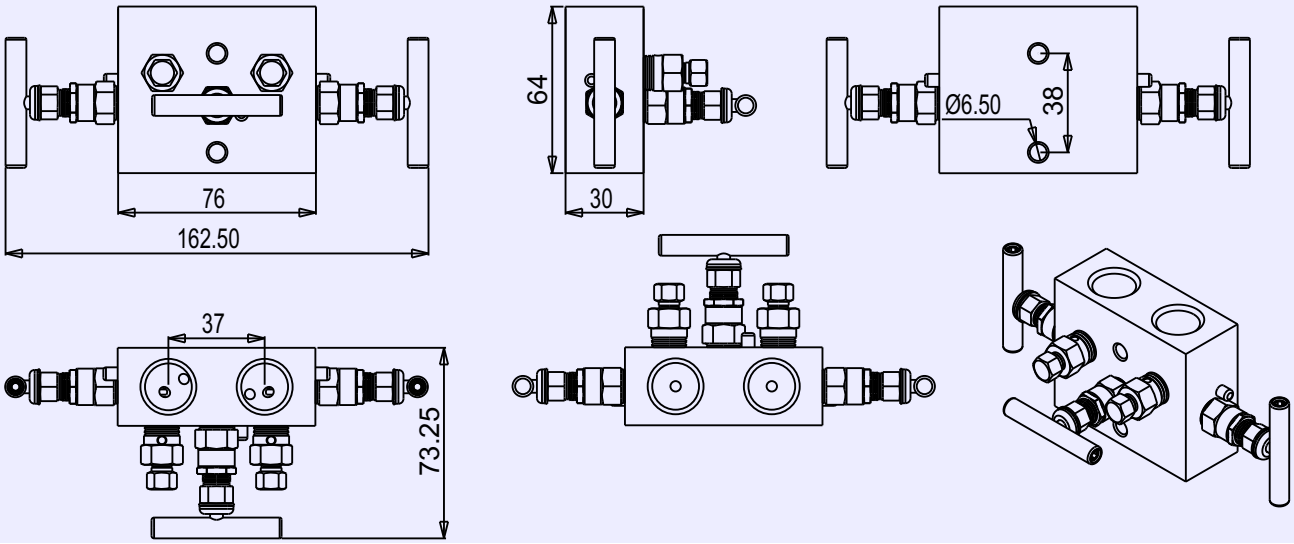
Type	3 Way Remote Mount Manifold Pipe to Pipe
Inlets	Female 1/2" NPT
Outlets	Female 1/2" NPT
Packing	PTFE Graphite
M.C.W.P Pressure	6 000 psi / 10 000 psi
Temperature Range	-30°C (-22°F) to 215°C (420°F) PTFE -30°C (-22°F) to 440°C (824°F) Graphite
Weight	1.18kg

- **Compact body**
- **Lightweight**
- **Liquid and vapor service**
- **Narrow Process and instrument connection PCD's**
- **Remote mount and compact allowing flexible system design**
- **Available with and without bleed ports**
- **Full traceablilty**
- **100% Pressure tested**
- **Venting option available (Shown in Image)**
- **Mounting holes for easy installation**
- **Available in most exotic materials (Pg16)**



PQ Version shown





Specifications subject to change without prior notification

Bleed Plugs shown for illustrative purposes only

L3/R

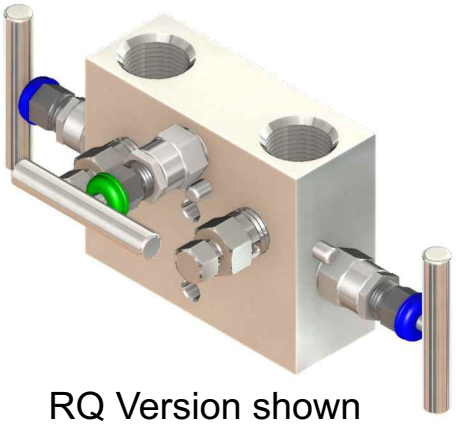
3 Way Remote Mount Manifold with Side Mounted Isolate Taps

The L3/R manifold mounts remotely from pressure transmitters, gauges or switches. With 54mm Process and Instrument Connection PCD's, this manifold easily connects to most standard transmitters.

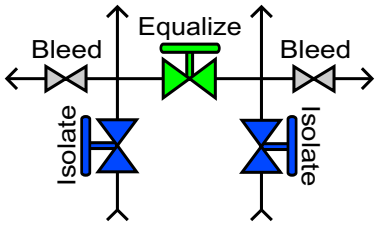
Specifications

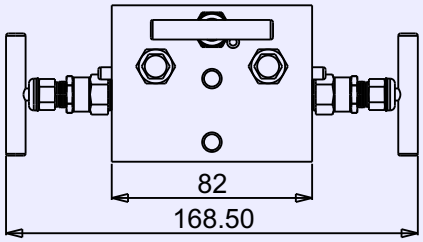
Type	3 Way Remote Mount Manifold
	Pipe to Pipe
Inlets	Female 1/2" NPT
Outlets	Female 1/2" NPT
Packing	PTFE
	Graphite
M.C.W.P Pressure	6 000 psi / 10 000 psi
Temperature Range	-30°C (-22°F) to 215°C (420°F) PTFE
	-30°C (-22°F) to 440°C (824°F) Graphite
Weight	1.27kg

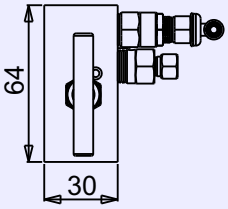
- **Lightweight**
- **Liquid and vapor service**
- **Remote mount and compact allowing flexible system design**
- **54mm Process and instrument connection PCD's**
- **Available with and without bleed ports**
- **Full traceablilty**
- **100% Pressure tested**
- **Venting option available (Shown in Image)**
- **Mounting holes for easy installation**
- **Available in most exotic materials (Pg16)**

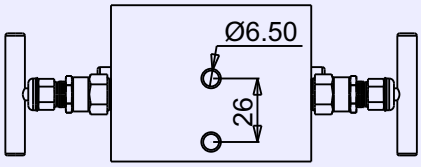


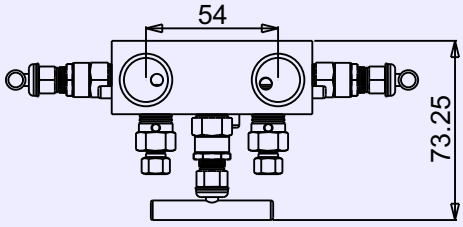
RQ Version shown

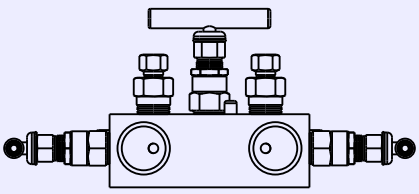


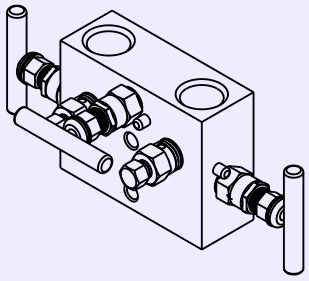












Specifications subject to change without prior notification

Bleed Plugs shown for illustrative purposes only

L5/G

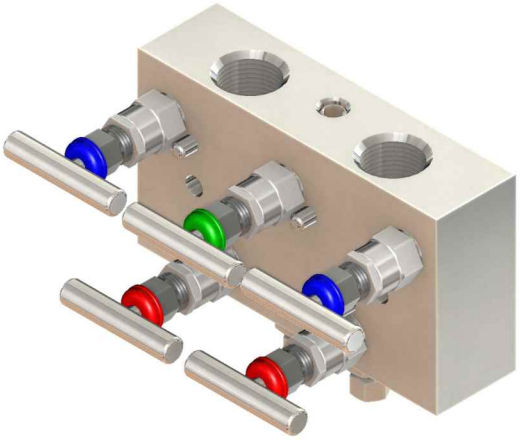
5 Way Remote Mount Manifold with All Taps on Top

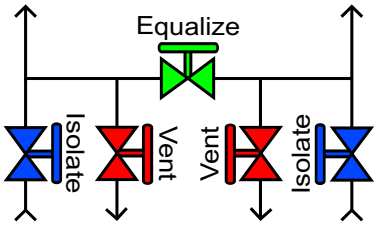
The L5/G manifold mounts remotely from pressure transmitters, gauges or switches. With all the taps on top this manifold can be panel mounted for a neat system look. With the “All taps on top” design, this manifold can be panel mounted for a clean system look.

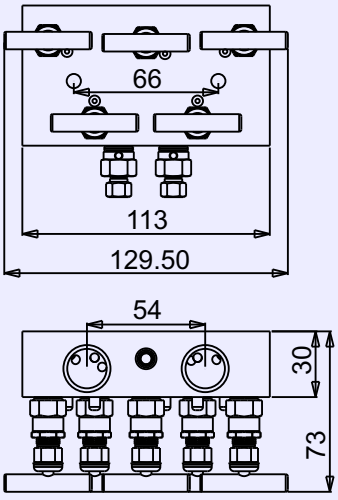
Specifications

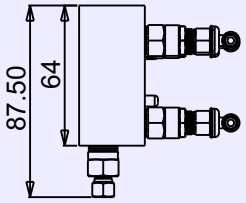
Type	5 Way Remote Mount Manifold
	Pipe to Pipe
Inlets	Female 1/2” NPT
Outlets	Female 1/2” NPT
Packing	PTFE
	Graphite
M.C.W.P Pressure	6 000 psi / 10 000 psi
Temperature Range	-30°C (-22°F) to 215°C (420°F) PTFE
	-30°C (-22°F) to 440°C (824°F) Graphite
Weight	1.83kg

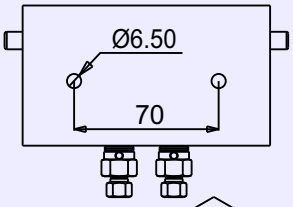
- **Lightweight**
- **Liquid and vapor service**
- **54mm Process and instrument connection PCD’s**
- **Venting on process connection face**
- **Remote mount and compact allowing flexible system design**
- **All taps on top design allows option to panel mount**
- **Full traceablilty**
- **100% Pressure tested**
- **Mounting holes for easy installation**
- **Available in most exotic materials (Pg16)**

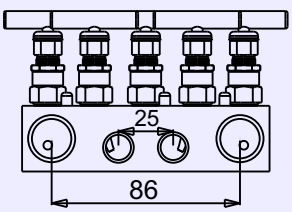


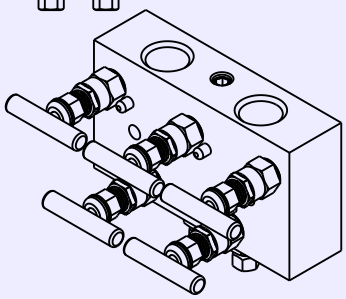












Specifications subject to change without prior notification

Bleed Plugs shown for illustrative purposes only

L5/P

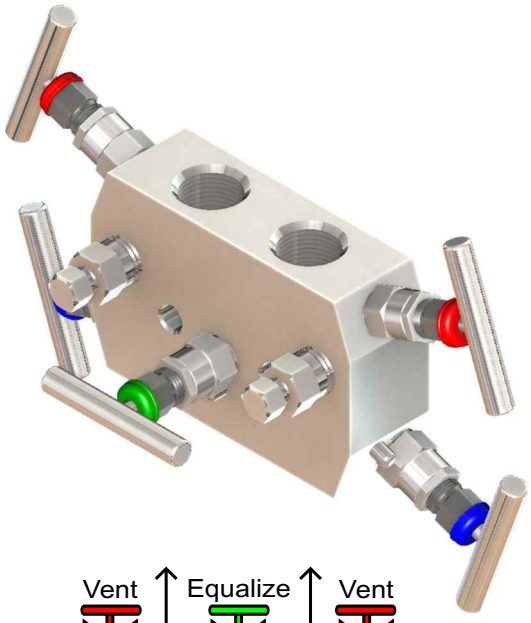
5 Way Remote Mount Manifold with Side Mounted Isolate Taps (Compact Design)

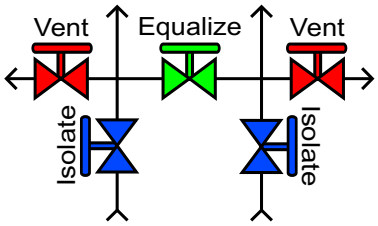
The L5/P manifold mounts remotely from pressure transmitters, gauges or switches. It is designed to be the smallest package possible for the space and cost conscious. Shipping costs can even be reduced due to its small size and super light weight. Features narrow process and instrument connection PCD's.

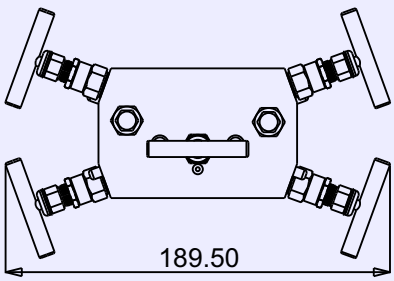
Specifications

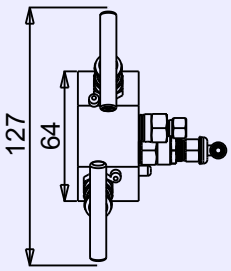
Type	5 Way Remote Mount Manifold Pipe to Pipe
Inlets	Female 1/2" NPT
Outlets	Female 1/2" NPT
Packing	PTFE Graphite
M.C.W.P Pressure	6 000 psi / 10 000 psi
Temperature Range	-30°C (-22°F) to 215°C (420°F) PTFE -30°C (-22°F) to 440°C (824°F) Graphite
Weight	1.58kg

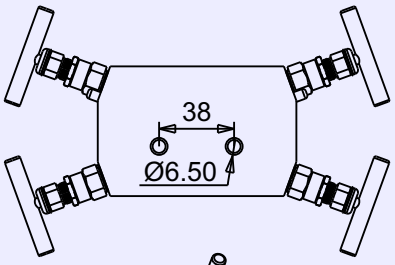
- **Ultra lightweight compact body**
- **Liquid and vapor service**
- **Venting on the top face**
- **Remote mount and compact allowing flexible system design**
- **Full traceablilty**
- **100% Pressure tested**
- **Mounting holes for easy installation**
- **Available in most exotic materials (Pg16)**

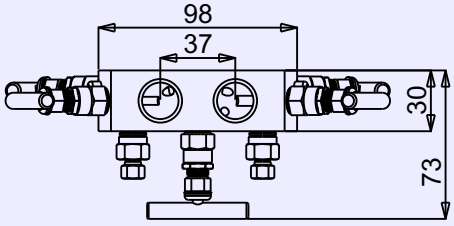


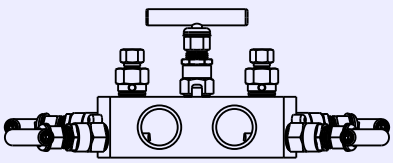


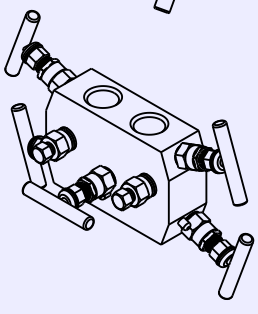












Specifications subject to change without prior notification

Bleed Plugs shown for illustrative purposes only

L5/R

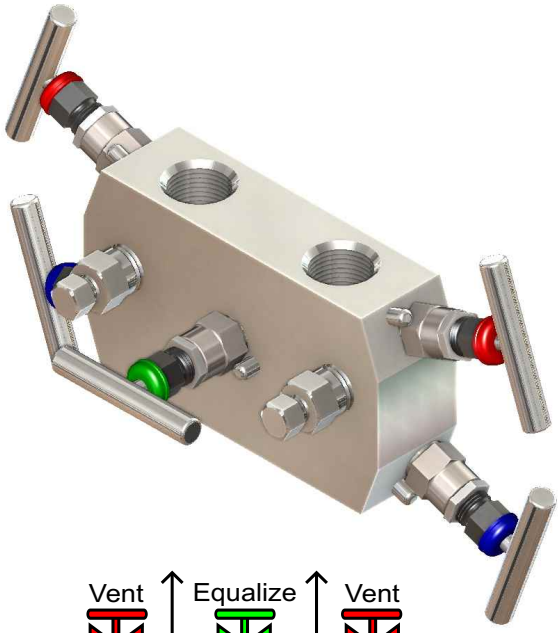
5 Way Remote Mount Manifold with Side Mounted Isolate Taps

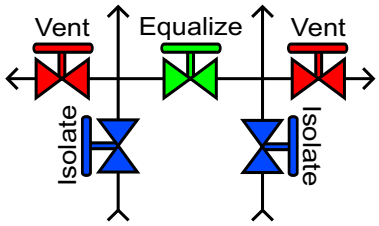
The L5/R manifold mounts remotely from pressure transmitters, gauges or switches. 54mm process and instrument connection PCD's simplifies piping up by matching the PCD's of most transmitters.

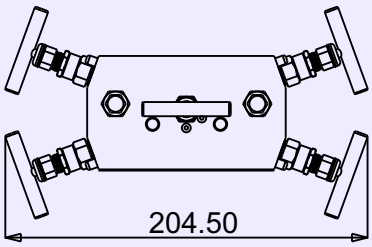
Specifications

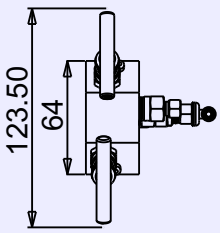
Type	5 Way Remote Mount Manifold
	Pipe to Pipe
Inlets	Female 1/2" NPT
Outlets	Female 1/2" NPT
Packing	PTFE
	Graphite
M.C.W.P Pressure	6 000 psi / 10 000 psi
Temperature Range	-30°C (-22°F) to 215°C (420°F) PTFE
	-30°C (-22°F) to 440°C (824°F) Graphite
Weight	1.79kg

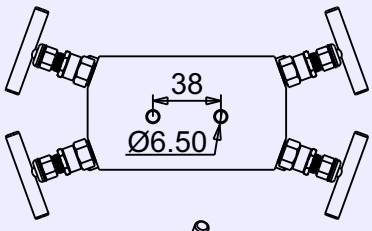
- **Lightweight**
- **Liquid and vapor service**
- **90 Degree venting**
- **54mm Process and instrument connection PCD's**
- **Large spacing between all tap handles**
- **Venting on top face of the manifold**
- **Remote mount and compact allowing flexible system design**
- **Full traceablilty**
- **100% Pressure tested**
- **Mounting holes for easy installation**
- **Available in most exotic materials (Pg16)**

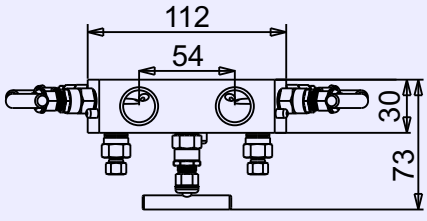


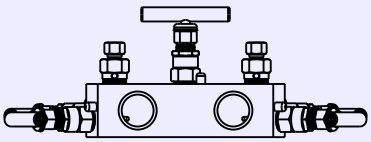


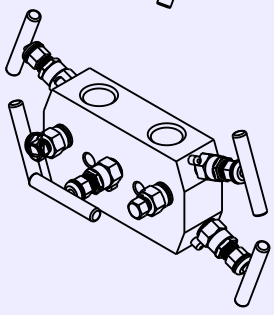












Specifications subject to change without prior notification

Bleed Plugs shown for illustrative purposes only

L5/WD

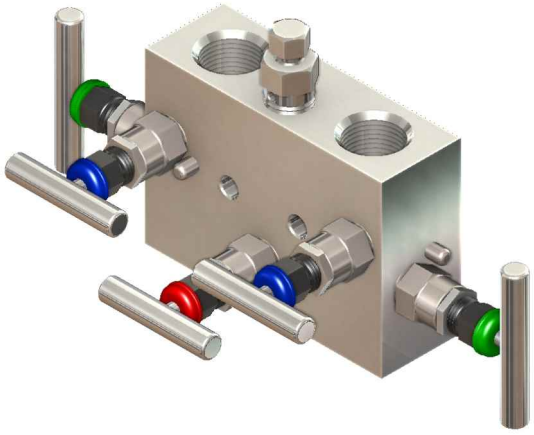
5 Way Remote Mount Manifold with Side Mounted Isolate Taps

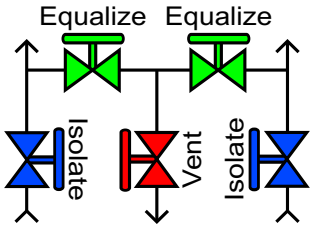
The L5/WD manifold mounts remotely from pressure transmitters, gauges or switches. With the double equalize design this manifold is well suited for systems where no process contamination may occur. The vent/test port is located on the process connection face for easy piping up of the manifold.

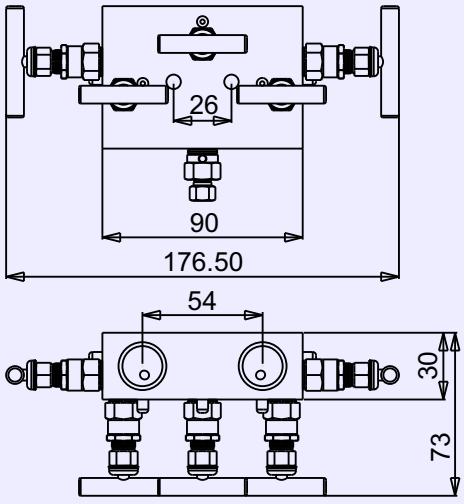
Specifications

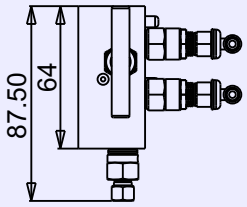
Type	5 Way Remote Mount Manifold
	Pipe to Pipe
Inlets	Female 1/2" NPT
Outlets	Female 1/2" NPT
Packing	PTFE
	Graphite
M.C.W.P Pressure	6 000 psi / 10 000 psi
Temperature Range	-30°C (-22°F) to 215°C (420°F) PTFE
	-30°C (-22°F) to 440°C (824°F) Graphite
Weight	1.48kg

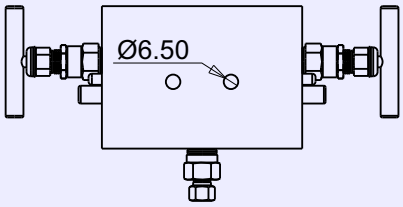
- **Lightweight**
- **Liquid and vapor service**
- **Double Equalize design for systems where no process contamination may occur**
- **54mm Process and instrument connection PCD's**
- **Venting on process connection face for easy piping**
- **Remote mount and compact allowing flexible system design**
- **Full traceablilty**
- **100% Pressure tested**
- **Mounting holes for easy installation**
- **Available in most exotic materials (Pg16)**

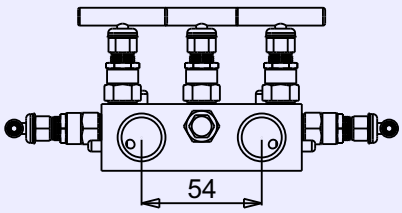


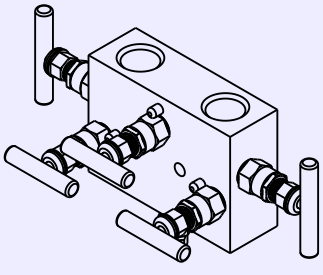












Specifications subject to change without prior notification

Bleed Plug shown for illustrative purposes only

Contact Details

Name of business:	Sustech Manufacturing (Pty) Ltd.
Business reg. no:	1990/004585/07
B-BBEE status:	Level 2 contributor (South Africa)

Contact information:

Physical address:	29 & 31 Mopedi Street Sebenza Edenvale 1609
Postal address:	PO Box 9042 Edenglen 1613 South Africa
Tel:	+ 27 11 452 9545
Fax:	+ 27 11 452 0856
E-mail:	sales@sustech.com contracts@sustech.com
Website:	www.sustech.com