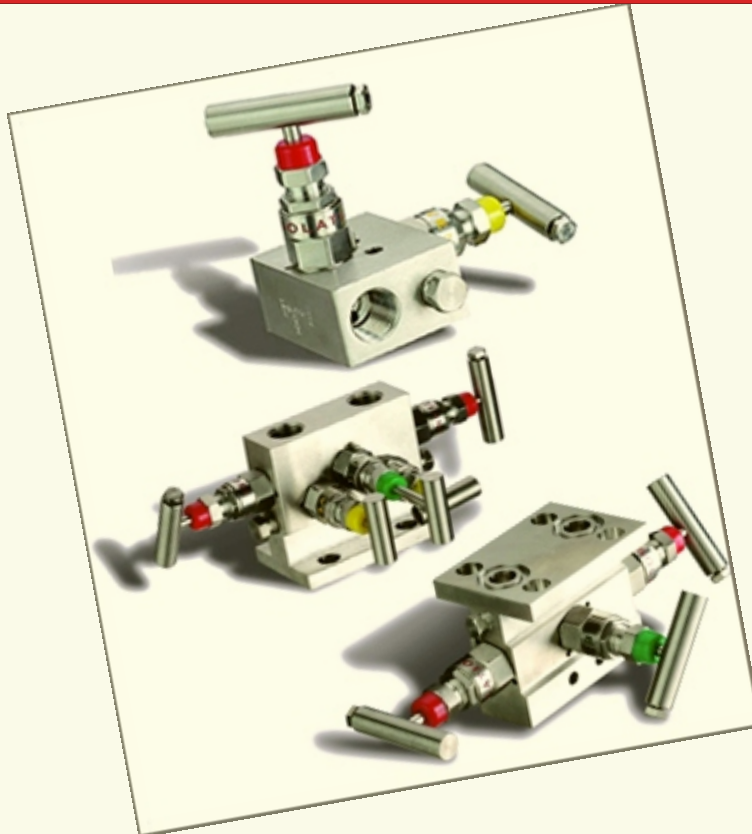




S.D.INDUSTRIES

High Pressure Manifold Valves

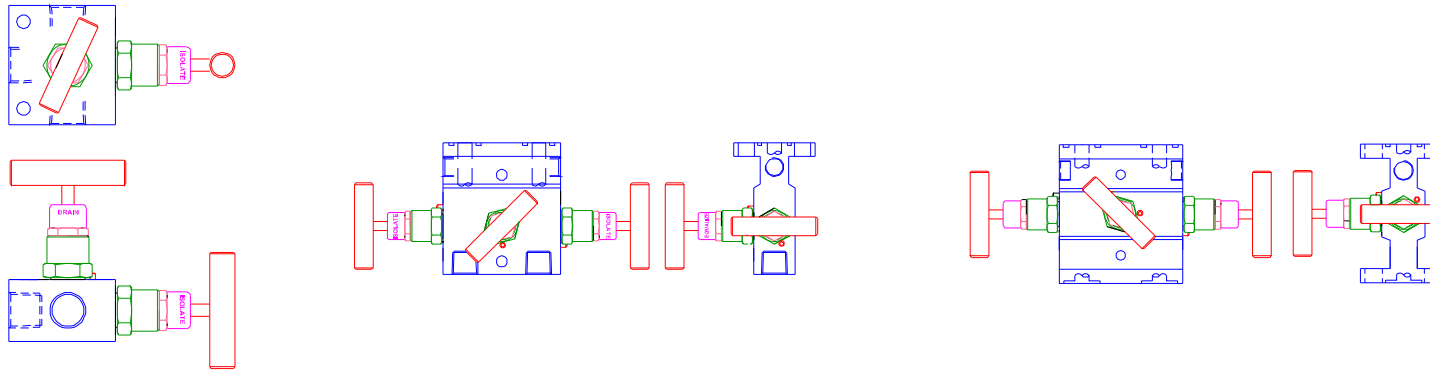


2 - Valve Manifold Valves

3 - Valve Manifold Valves

5 - Valve Manifold Valves

We deliver confidence through quality products

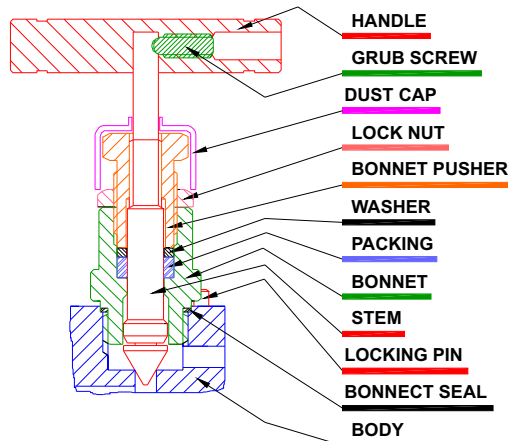


MANIFOLD VALVES

Manifold valves development and manufacture, S. D. Industries are able to introduce most comprehensive range of manifold valves. In this design, selection can be made from a comprehensive range of bodies with variety of connections and valve positions, optimising installations.

Types :

- A) Two valve manifold combination of instrument Isolation together with Bleed / Vent & test facilities, in this 1) separate or remote mounting 2) T-type 3) H-type or direct mounting 4) coplanar type & others.
- B) Three valve manifold combination of two instrument Isolation together with one Equaliser, in this 1) separate or remote mounting 2) T-type 3) H-type or direct mounting 4) coplanar type & others.
- C) Five valve manifold combination of two instrument Isolation, two Bleed / Vent together with one Equaliser, in this 1) separate or remote mounting 2) T-type 3) H-type or direct mounting 4) coplanar type & others.



BONNET ASSEMBLY

TECHNICAL SPECIFICATIONS

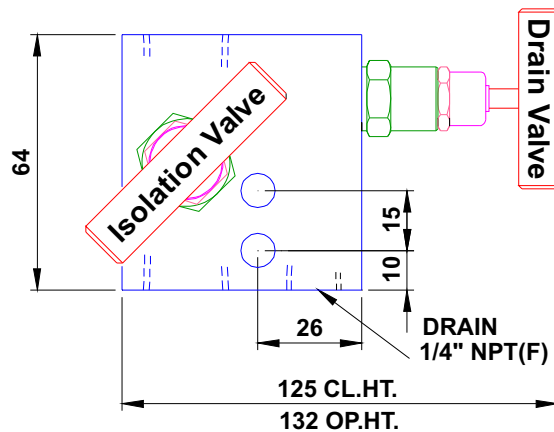
- Size : 1/4", 1/2"
- End connection : NPT, BSPT, Socket weld.
- Working Pressure : 6000 Psi (413 Bar)
- Temperature Rating : PTFE 450 Deg. F (232 Deg. C)
Grafoil 700 Deg. F (371 Deg. C)
- Material of construction : SS 316, SS 304, Monel, C.S.
Optional Sour Gas service valves are available
confirming to NACE Std. MR - 01 - 75
- Stem packing : PTFE, Grafoil.
- Orifice : Dia. 4.0
- All valves are 100% Factory tested prior to shipment.

BONNET ASSEMBLY

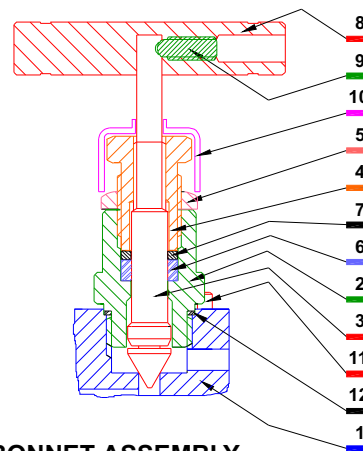
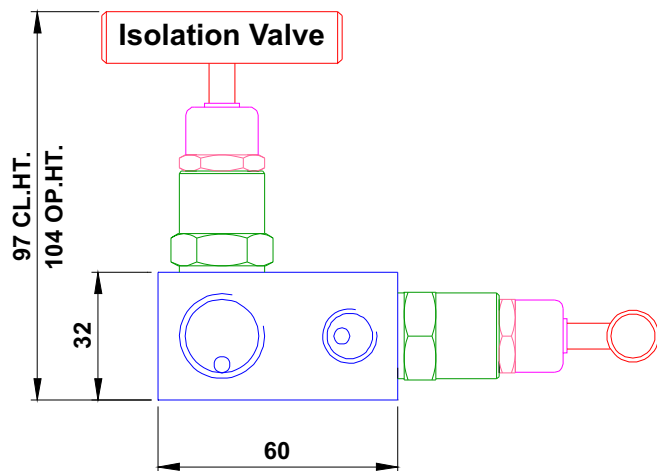
- Screwed bonnet design.
- Bonnet-back seated blow out proof.
- Spindle - Ground and thread rolled.
- Spindle tip - Non rotating tip shut off type
- stellited, Regulating-stellited and soft seated.
- Bonnet pusher - silver plated for anti galling
freezing for increased stem cycle life.
- Dust cap protects stem threads from
externals contamination.
- Leak tight seal with low operating torque.

DRN. BY	Mr.SATYAWAN	DRAWING NO :	CH - VM - 00 - CL	REV :	00
APPRD. BY	Mr.TEJINDER	TITLE : VALVE MANIFOLD - GENERAL INFORMATION AND TECHNICAL SPECIFICATIONS			
MATERIAL	AS GIVEN				
SCALE					
NTS					
	THIRD ANGLE PROJ	Tel : 91-22-28791745 / 55 / 56 Fax : 91-22-28752130 Web : www.sdindustries.com Email : sdind@vsnl.com			

Instrument
1/2" NPT(F)



Process
1/2" NPT(F)



BONNET ASSEMBLY

FEATURES :

- 2 VALVE MANIFOLD (STRAIGHT TYPE)

- 2 valve manifolds are designed for remote or separate mounting. Connecting from process side 1/2" NPT(F) and Instrument side 1/2" NPT(F) Connecting system impulse lines and transmitters, having simple two valves configuration which allows for easy block or Isolate, Bleed or Vent valve calibration of a static pressure transmitter or gauge.
- Bleed/vent connection with s.s. plug will be provided on request.
- Approximate weight : 0.95 Kg (2.1 Lbs.).
- Heat code traceability

- BONNET ASSEMBLY

- Screwed bonnet design.
- Bonnet-back seated blow out proof.
- Spindle - Ground and thread rolled.
- Spindle tip-Non rotating tip shut off type
- stellited, Regulating-stellited and soft seated.
- Bonnet pusher - silver plated for anti galling freezing for increased stem cycle life.
- Dust cap protects stem threads from externals contamination.
- Leak tight seal with low operating torque.

NO	DESCRIPTION	QTY	MATERIAL
1	BODY	1	SS 316
2	BONNET	1	SS 316
3	STEM	1	SS 316
4	BONNET PUSHER	1	SS 316
5	LOCK NUT	1	SS 316
6	PACKING	1	TEFLON
7	WASHER	1	SS 316
8	HANDLE	1	SS 304
9	GRUB SCREW	1	SS
10	DUST CAP	1	PLASTIC
11	LOCKING PIN	1	SS 304
12	BONNET SEAL	1	TEFLON

- TECHNICAL SPECIFICATIONS

- Size : 1/4", 1/2"
- End connection : NPT,BSPT,Socket weld.
- Working Pressure : 6000 Psi (413 Bar)
- Temperature Rating : PTFE 450 Deg. F (232 Deg.C) Grafoil 700 Deg. F (371 Deg. C)
- Material of construction : SS 316, SS 304, Monel,C.S.
- Optional Sour Gas service valves are available confirming to NACE Std. MR - 01 - 75
- Stem packing : PTFE, Grafoil.
- Orifice : Dia. 4.0
- All valves are 100% Factory tested prior to shipment.

- APPLICATION

- Refineries, liquid petroleum gas processing plant, petro-chemical plants, systems difficult to shur off due to solid contents dust, rust, dirt etc.

- MANIFOLD SELECTION INFORMATION DATA


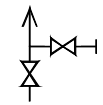
- Pressure & temperature ratings are selected from ANSI B 16.34 for standard class 2500

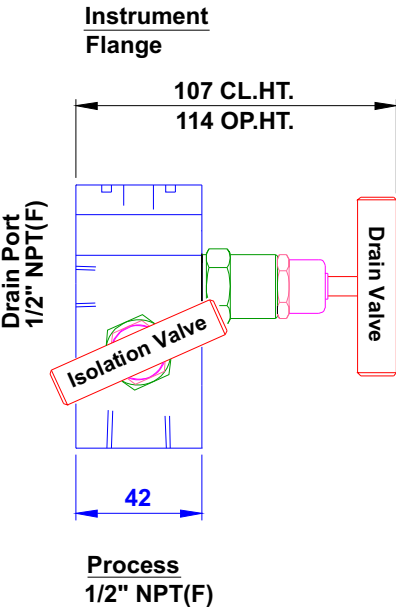
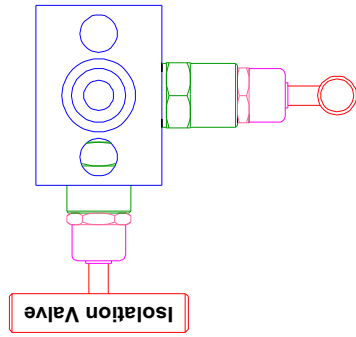
- TESTING

- Pneumatic Seat test is performed at 1/4 of working pressure.
- Hydrostatic shell test is performed at 1.5 times the working pressure.
- Optional test are available upon request.

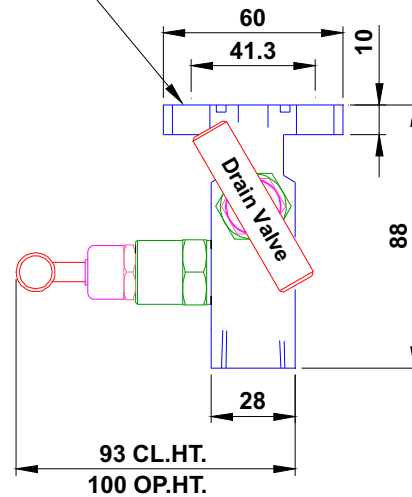
- LUBRICATION

- Dye molly sulphide

DRN. BY	Mr.SATYAWAN	DRAWING NO :	CH - 2VMS - 00 - CL	REV :	00
APPRD. BY	Mr.TEJINDER	TITLE :	2 VALVE MANIFOLD - STRAIGHT TYPE (MODEL : 2VMS) (PIPE TO PIPE CONNECTION)		
MATERIAL	AS GIVEN	 S.D.INDUSTRIES			
SCALE	NTS				
					Tel : 91-22-28791745 / 55 / 56 Fax : 91-22-28752130 Web : www.sdindustries.com Email : sdind@vsnl.com



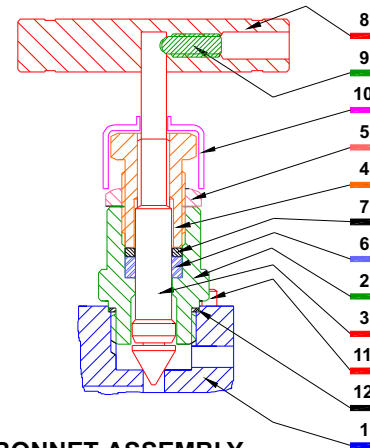
MOUNTING HOLE Ø10.5, 2 NOS.,



BONNET ASSEMBLY

FEATURES :

- 2 VALVE MANIFOLD (TEE TYPE)
- 2 valve manifolds are designed for direct mounting. Connecting from process side 1/2" NPT (F) and Instrument side Flange connection on suitable for DP transmitter. Connecting system impulse lines and transmitters, having simple two valves configuration which allows for easy block or isolate, Bleed or Vent valve calibration of a static pressure transmitter or gauge.
- Bleed/vent connection with s.s. plug will be provided on request.
- Approximate weight : xxx Kg (xxx Lbs.).
- Heat code traceability
- BONNET ASSEMBLY
- Screwed bonnet design.
- Bonnet-back seated blow out proof.
- Spindle - Ground and thread rolled.
- Spindle tip-Non rotating tip shut off type
- stellited, Regulating-stellited and soft seated.
- Bonnet pusher - silver plated for anti galling freezing for increased stem cycle life.
- Dust cap protects stem threads from externals contamination.
- Leak tight seal with low operating torque.



NO	DESCRIPTION	QTY	MATERIAL
1	BODY	1	SS 316
2	BONNET	1	SS 316
3	STEM	1	SS 316
4	BONNET PUSHER	1	SS 316
5	LOCK NUT	1	SS 316
6	PACKING	1	TEFLON
7	WASHER	1	SS 316
8	HANDLE	1	SS 304
9	GRUB SCREW	1	SS
10	DUST CAP	1	PLASTIC
11	LOCKING PIN	1	SS 304
12	BONNET SEAL	1	TEFLON

- TECHNICAL SPECIFICATIONS

- Size : 1/4", 1/2"
- End connection : NPT,BSPT,Socket weld.
- Working Pressure : 6000 Psi (413 Bar)
- Temperature Rating : PTFE 450 Deg. F (232 Deg. C)
Grafoil 700 Deg. F (371 Deg. C)
- Material of construction : SS 316, SS 304, Monel,C.S.
- Optional Sour Gas service valves are available confirming to NACE Std. MR - 01 - 75
- Stem packing : PTFE, Grafoil.
- Orifice : Dia. 4.0
- All valves are 100% Factory tested prior to shipment.

- APPLICATION

- Refineries, liquid petroleum gas processing plant, petro-chemical plants, systems difficult to shut off due to solid contents dust, rust, dirt etc.

- MANIFOLD SELECTION INFORMATION DATA

- Pressure & temperature ratings are selected from ANSI B 16.34 for standard class 2500

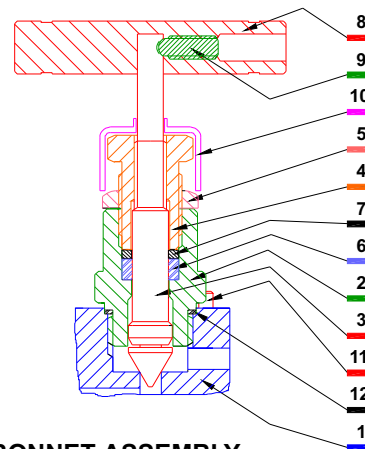
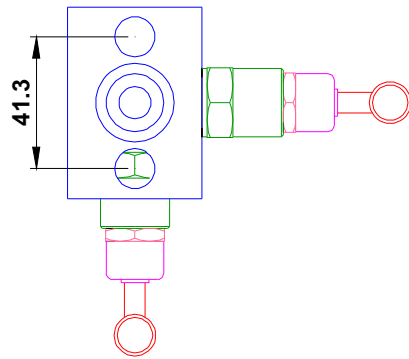
- TESTING

- Pneumatic Seat test is performed at 1/4 of working pressure.
- Hydrostatic shell test is performed at 1.5 times the working pressure.
- Optional test are available upon request.

- LUBRICATION

- Dye molly sulphide

DRN. BY	Mr.SATYAWAN	DRAWING NO :	CH - 2VMT - 00 - CL	REV :	00
APPRD. BY	Mr.TEJINDER	TITLE :	2 VALVE MANIFOLD - TEE TYPE (MODEL:2VMT) (PIPE TO FLANGE CONNECTION)		
MATERIAL	AS GIVEN				
SCALE	NTS	 THIRD ANGLE PROJ	 S.D.INDUSTRIES		Tel : 91-22-28791745 / 55 / 56 Fax : 91-22-28752130 Web : www.sdindustries.com Email : sdind@vsnl.com



BONNET ASSEMBLY

NO	DESCRIPTION	QTY	MATERIAL
1	BODY	1	SS 316
2	BONNET	1	SS 316
3	STEM	1	SS 316
4	BONNET PUSHER	1	SS 316
5	LOCK NUT	1	SS 316
6	PACKING	1	TEFLON
7	WASHER	1	SS 316
8	HANDLE	1	SS 304
9	GRUB SCREW	1	SS
10	DUST CAP	1	PLASTIC
11	LOCKING PIN	1	SS 304
12	BONNET SEAL	1	TEFLON

FEATURES :

- **2 VALVE MANIFOLD (H TYPE)**
- 2 valve manifolds are designed for direct mounting. Connecting from process side Flange connection and Instrument side Flange connection on suitable for DP transmitter. Connecting system impulse lines and transmitters, having simple two valves configuration which allows for easy block or isolate, Bleed or Vent valve calibration of a static pressure transmitter or gauge.
- Bleed/vent connection with s.s. plug will be provided on request.
- Approximate weight : xxx Kg (xxx Lbs.).
- Heat code traceability
- **BONNET ASSEMBLY**
- Screwed bonnet design.
- Bonnet-back seated blow out proof.
- Spindle - Ground and thread rolled.
- Spindle tip-Non rotating tip shut off type
- stellited, Regulating-stellited and soft seated.
- Bonnet pusher - silver plated for anti galling freezing for increased stem cycle life.
- Dust cap protects stem threads from externals contamination.
- Leak tight seal with low operating torque.

TECHNICAL SPECIFICATIONS

- Size : 1/4", 1/2"
- End connection : NPT,BSPT,Socket weld.
- Working Pressure : 6000 Psi (413 Bar)
- Temperature Rating : PTFE 450 Deg. F (232 Deg.C) Grafoil 700 Deg. F (371 Deg. C)
- Material of construction : SS 316, SS 304, Monel,C.S.
- Optional Sour Gas service valves are available confirming to NACE Std. MR - 01 - 75
- Stem packing : PTFE, Grafoil.
- Orifice : Dia. 4.0
- All valves are 100% Factory tested prior to shipment.

APPLICATION

- Refineries, liquid petroleum gas processing plant, petro-chemical plants, systems difficult to shur off due to solid contents dust, rust, dirt etc.

MANIFOLD SELECTION INFORMATION DATA

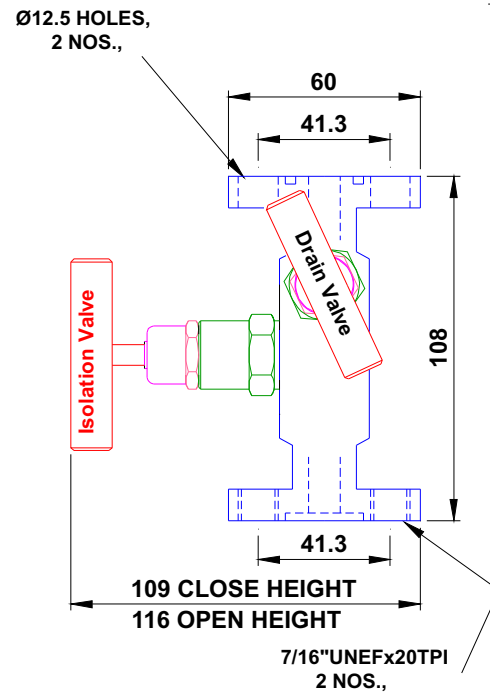
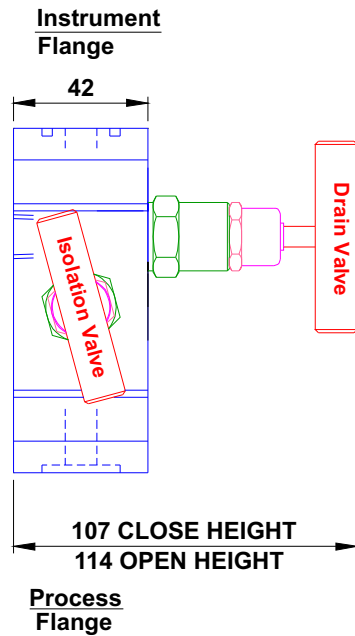
- Pressure & temperature ratings are selected from ANSI B 16.34 for standard class 2500

TESTING

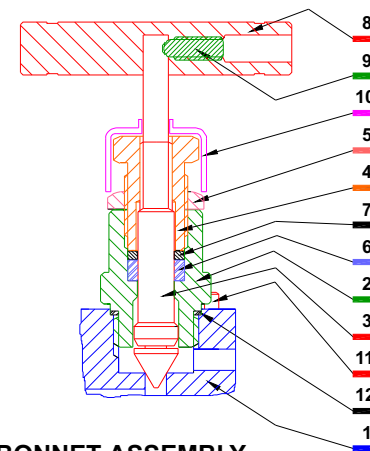
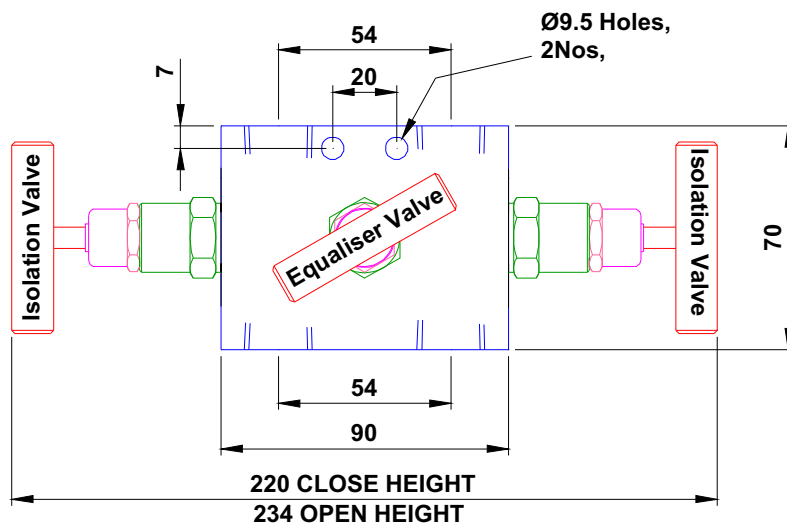
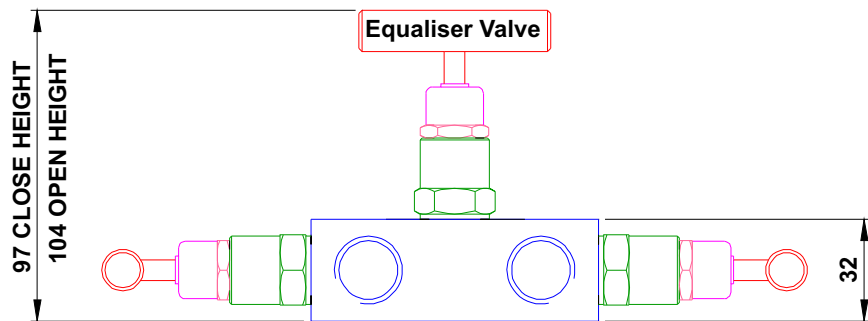
- Pneumatic Seat test is performed at 1/4 of working pressure.
- Hydrostatic shell test is performed at 1.5 times the working pressure.
- Optional test are available upon request.

LUBRICATION

- Dye molly sulphide



DRN. BY	Mr.SATYAWAN	DRAWING NO :	CH - 2VMH - 00 - CL	REV :	00
APPRD. BY	Mr.TEJINDER	TITLE :	2 VALVE MANIFOLD (H TYPE) (MODEL : 2VMH) (FLANGE TO FLANGE CONNECTION)		
MATERIAL	AS GIVEN				
SCALE	 NTS THIRD ANGLE PROJ	 S.D.INDUSTRIES		Tel : 91-22-28791745 / 55 / 56 Fax : 91-22-28752130 Web : www.sdindustries.com Email : sdind@vsnl.com	



BONNET ASSEMBLY

FEATURES :

- 3 VALVE MANIFOLD (STRAIGHT TYPE)

- 3 valve manifolds are designed for remote or separate mounting. Connecting from process side 1/2" NPT(F) and Instrument side 1/2" NPT(F) Connecting system impulse lines and transmitters, having simple three valves configuration which allows for easy two block or isolate, one Equaliser valve calibration of a static pressure transmitter or gauge.
- Bleed/vent connection with s.s. plug will be provided on request.
- Approximate weight : xxx Kg (xxx Lbs.).
- Heat code traceability

- BONNET ASSEMBLY

- Screwed bonnet design.
- Bonnet-back seated blow out proof.
- Spindle - Ground and thread rolled.
- Spindle tip-Non rotating tip shut off type
- stellited, Regulating-stellited and soft seated.
- Bonnet pusher - silver plated for anti galling freezing for increased stem cycle life.
- Dust cap protects stem threads from externals contamination.
- Leak tight seal with low operating torque.

- TECHNICAL SPECIFICATIONS

- Size : 1/4", 1/2"
- End connection : NPT,BSPT,Socket weld.
- Working Pressure : 6000 Psi (413 Bar)
- Temperature Rating : PTFE 450 Deg. F (232 Deg.C) Grafoil 700 Deg. F (371 Deg. C)
- Material of construction : SS 316, SS 304, Monel,C.S.
- Optional Sour Gas service valves are available confirming to NACE Std. MR - 01 - 75
- Stem packing : PTFE, Grafoil.
- Orifice : Dia. 4.0
- All valves are 100% Factory tested prior to shipment.

- APPLICATION

- Refineries, liquid petroleum gas processing plant, petro-chemical plants, systems difficult to shur off due to solid contents dust, rust, dirt etc.

- MANIFOLD SELECTION INFORMATION DATA

- Pressure & temperature ratings are selected from ANSI B 16.34 for standard class 2500

- TESTING

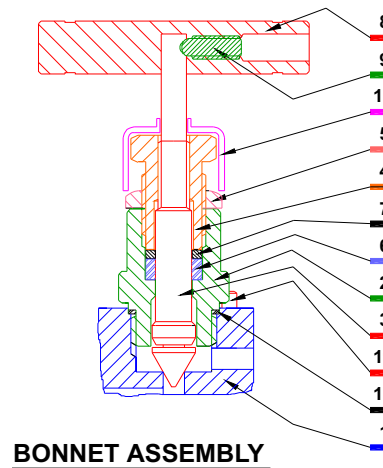
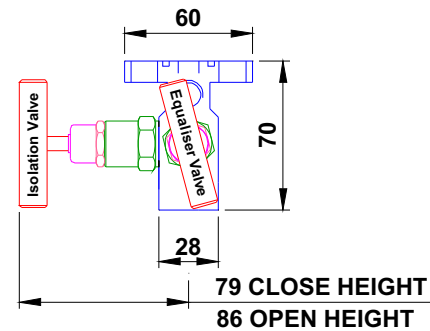
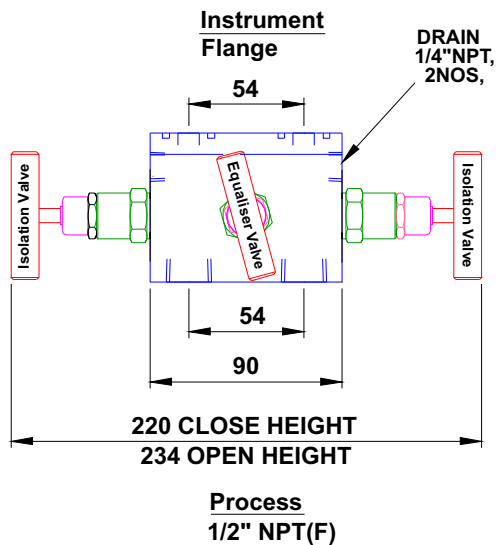
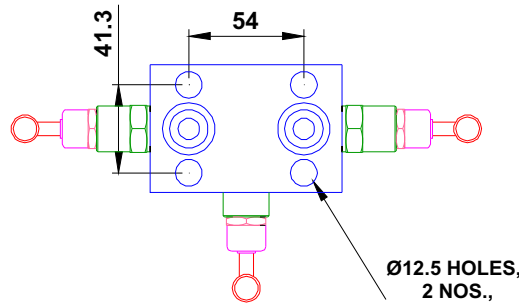
- Pneumatic Seat test is performed at 1/4 of working pressure.
- Hydrostatic shell test is performed at 1.5 times the working pressure.
- Optional test are available upon request.

- LUBRICATION

- Dye molly sulphide

NO	DESCRIPTION	QTY	MATERIAL
1	BODY	1	SS 316
2	BONNET	1	SS 316
3	STEM	1	SS 316
4	BONNET PUSHER	1	SS 316
5	LOCK NUT	1	SS 316
6	PACKING	1	TEFLON
7	WASHER	1	SS 316
8	HANDLE	1	SS 304
9	GRUB SCREW	1	SS
10	DUST CAP	1	PLASTIC
11	LOCKING PIN	1	SS 304
12	BONNET SEAL	1	TEFLON

DRN. BY	Mr.SATYAWAN	DRAWING NO :	CH - 3VMS - 00 - CL	REV :	00
APPRD. BY	Mr.TEJINDER	TITLE :	3 VALVE MANIFOLD - STRAIGHT TYPE (MODEL : 2VMS) (PIPE TO PIPE CONNECTION)		
MATERIAL	AS GIVEN				
SCALE	NTS			S.D.INDUSTRIES Tel : 91-22-28791745 / 55 / 56 Fax : 91-22-28752130 Web : www.sdindustries.com Email : sdind@vsnl.com	
		THIRD ANGLE PROJ			



BONNET ASSEMBLY

NO	DESCRIPTION	QTY	MATERIAL
1	BODY	1	SS 316
2	BONNET	1	SS 316
3	STEM	1	SS 316
4	BONNET PUSHER	1	SS 316
5	LOCK NUT	1	SS 316
6	PACKING	1	TEFLON
7	WASHER	1	SS 316
8	HANDLE	1	SS 304
9	GRUB SCREW	1	SS
10	DUST CAP	1	PLASTIC
11	LOCKING PIN	1	SS 304
12	BONNET SEAL	1	TEFLON

FEATURES :

- 3 VALVE MANIFOLD (TEE TYPE)

- 3 valve manifolds are designed for direct mounting. Connecting from process side 1/2" NPT(F) and Instrument side Flange connection on suitable for DP Transmitter. Connecting system impulse lines and transmitters, having simple three valves configuration which allows for easy two block or isolate, one Equaliser valve calibration of a static pressure transmitter or gauge.
- Bleed/vent connection with s.s. plug will be provided on request.
- Approximate weight : xxx Kg (xxx Lbs.).
- Heat code traceability

- BONNET ASSEMBLY

- Screwed bonnet design.
- Bonnet-back seated blow out proof.
- Spindle - Ground and thread rolled.
- Spindle tip-Non rotating tip shut off type
- stellited, Regulating-stellited and soft seated.
- Bonnet pusher - silver plated for anti galling freezing for increased stem cycle life.
- Dust cap protects stem threads from externals contamination.
- Leak tight seal with low operating torque.

- TECHNICAL SPECIFICATIONS

- Size : 1/4", 1/2"
- End connection : NPT,BSPT,Socket weld.
- Working Pressure : 6000 Psi (413 Bar)
- Temperature Rating : PTFE 450 Deg. F (232 Deg.C) Grafoil 700 Deg. F (371 Deg. C)
- Material of construction : SS 316, SS 304, Monel,C.S.
- Optional Sour Gas service valves are available confirming to NACE Std. MR - 01 - 75
- Stem packing : PTFE, Grafoil.
- Orifice : Dia. 4.0
- All valves are 100% Factory tested prior to shipment.

- APPLICATION

- Refineries, liquid petroleum gas processing plant, petro-chemical plants, systems difficult to shur off due to solid contents dust, rust, dirt etc.

- MANIFOLD SELECTION INFORMATION DATA

- Pressure & temperature ratings are selected from ANSI B 16.34 for standard class 2500

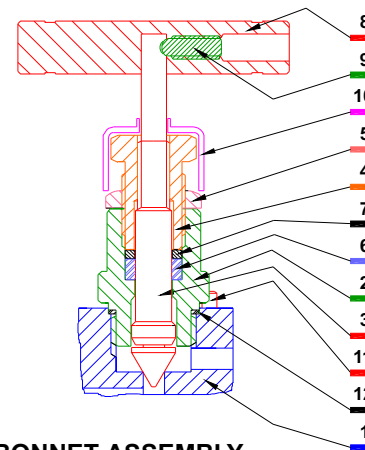
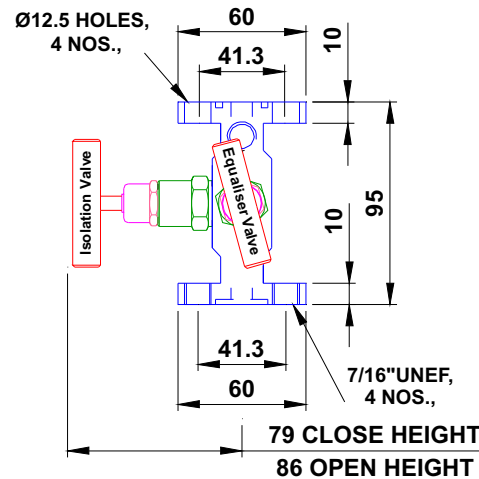
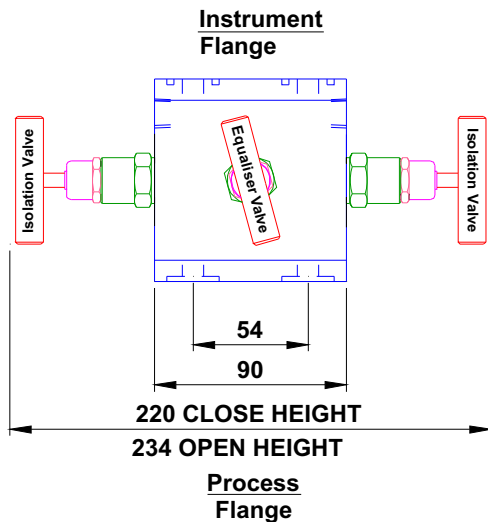
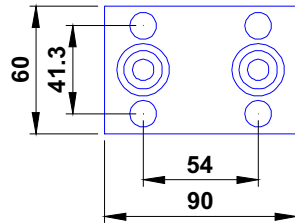
- TESTING

- Pneumatic Seat test is performed at 1/4 of working pressure.
- Hydrostatic shell test is performed at 1.5 times the working pressure.
- Optional test are available upon request.

- LUBRICATION

- Dye molly sulphide

DRN. BY	Mr.SATYAWAN	DRAWING NO :	CH - 3VMT - 00 - CL	REV :	00
APPRD. BY	Mr.TEJINDER	TITLE :	3 VALVE MANIFOLD - TEE TYPE (MODEL:3VMT)		
MATERIAL	AS GIVEN		(PIPE TO FLANGE CONNECTION)		
SCALE	NTS	 THIRD ANGLE PROJ	 S.D.INDUSTRIES		Tel : 91-22-28791745 / 55 / 56 Fax : 91-22-28752130 Web : www.sdindustries.com Email : sdind@vsnl.com



BONNET ASSEMBLY

FEATURES :

- 3 VALVE MANIFOLD (H-TYPE)

- 3 valve manifolds are designed for direct mounting. Connecting from process Flange connection on suitable for process.Instrument side Flange connection on suitable for DP Transmitter. Connecting system impulse lines and transmitters, having simple three valves configuration which allows for easy two block or Isolate, one Equaliser valve calibration of a static pressure transmitter or gauge.
- Bleed/vent connection with s.s. plug will be provided on request.
- Approximate weight : xxx Kg (xxx Lbs.).
- Heat code traceability

- BONNET ASSEMBLY

- Screwed bonnet design.
- Bonnet-back seated blow out proof.
- Spindle - Ground and thread rolled.
- Spindle tip-Non rotating tip shut off type
- stellited, Regulating-stellited and soft seated.
- Bonnet pusher - silver plated for anti galling freezing for increased stem cycle life.
- Dust cap protects stem threads from externals contamination.
- Leak tight seal with low operating torque.

NO	DESCRIPTION	QTY	MATERIAL
1	BODY	1	SS 316
2	BONNET	1	SS 316
3	STEM	1	SS 316
4	BONNET PUSHER	1	SS 316
5	LOCK NUT	1	SS 316
6	PACKING	1	TEFLON
7	WASHER	1	SS 316
8	HANDLE	1	SS 304
9	GRUB SCREW	1	SS
10	DUST CAP	1	PLASTIC
11	LOCKING PIN	1	SS 304
12	BONNET SEAL	1	TEFLON

- TECHNICAL SPECIFICATIONS

- Size : 1/4", 1/2"
- End connection : NPT,BSPT,Socket weld.
- Working Pressure : 6000 Psi (413 Bar)
- Temperature Rating : PTFE 450 Deg. F (232 Deg.C) Grafoil 700 Deg. F (371 Deg. C)
- Material of construction : SS 316, SS 304, Monel,C.S.
- Optional Sour Gas service valves are available confirming to NACE Std. MR - 01 - 75
- Stem packing : PTFE, Grafoil.
- Orifice : Dia. 4.0
- All valves are 100% Factory tested prior to shipment.

- APPLICATION

- Refineries, liquid petroleum gas processing plant, petro-chemical plants, systems difficult to shur off due to solid contents dust, rust, dirt etc.

- MANIFOLD SELECTION INFORMATION DATA

- Pressure & temperature ratings are selected from ANSI B 16.34 for standard class 2500

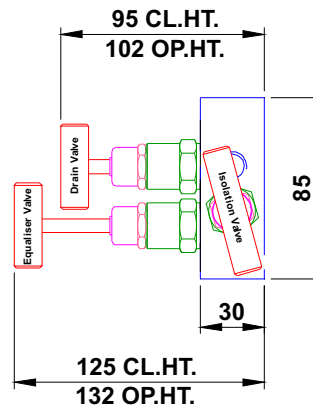
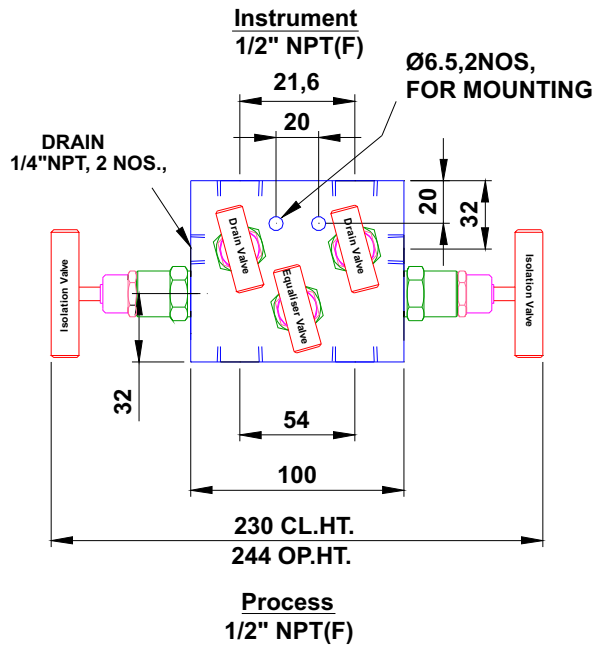
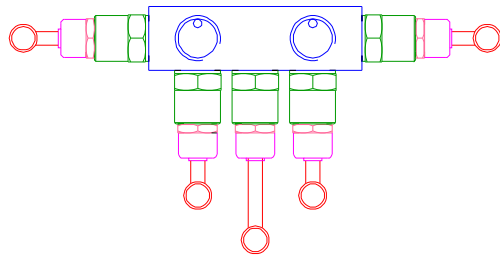
- TESTING

- Pneumatic Seat test is performed at 1/4 of working pressure.
- Hydrostatic shell test is performed at 1.5 times the working pressure.
- Optional test are available upon request.

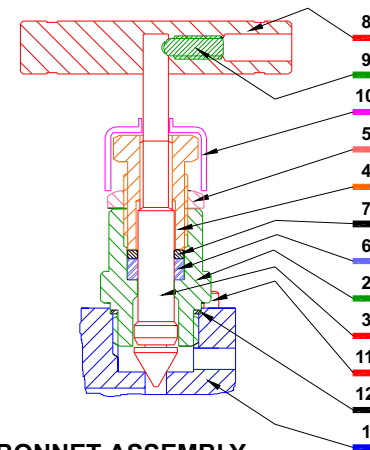
- LUBRICATION

- Dye molly sulphide

DRN. BY	Mr.SATYAWAN	DRAWING NO :	CH - 3VMH - 00 - CL	REV :	00
APPRD. BY	Mr.TEJINDER	TITLE :	3 VALVE MANIFOLD - H TYPE (MODEL : 3VMH) (FLANGE TO FLANGE CONNECTION)		
MATERIAL	AS GIVEN				
SCALE	NTS		S.D.INDUSTRIES		
		THIRD ANGLE PROJ			



BONNET ASSEMBLY



FEATURES :

- 5 VALVE MANIFOLD (STRAIGHT TYPE)

- 5 valve manifolds are designed for remote or separate mounting. Connecting from process side 1/2" NPT(F) and Instrument side 1/2" NPT(F) Connecting system impulse lines and transmitters, having simple five valves configuration which allows for easy two block or Isolate, two, one Bleed or Vent valve calibration of a static pressure transmitter or gauge.
- Bleed/vent connection with s.s. plug will be provided on request.
- Approximate weight : xxx Kg (xxx Lbs.).
- Heat code traceability

- BONNET ASSEMBLY

- Screwed bonnet design.
- Bonnet-back seated blow out proof.
- Spindle - Ground and thread rolled.
- Spindle tip-Non rotating tip shut off type
- stellited, Regulating-stellited and soft seated.
- Bonnet pusher - silver plated for anti galling freezing for increased stem cycle life.
- Dust cap protects stem threads from externals contamination.
- Leak tight seal with low operating torque.

- TECHNICAL SPECIFICATIONS

- Size : 1/4", 1/2"
- End connection : NPT, BSPT, Socket weld.
- Working Pressure : 6000 Psi (413 Bar)
- Temperature Rating : PTFE 450 Deg. F (232 Deg. C) Grafoil 700 Deg. F (371 Deg. C)
- Material of construction : SS 316, SS 304, Monel, C.S.
- Optional Sour Gas service valves are available confirming to NACE Std. MR - 01 - 75
- Stem packing : PTFE, Grafoil.
- Orifice : Dia. 4.0
- All valves are 100% Factory tested prior to shipment.

- APPLICATION

- Refineries, liquid petroleum gas processing plant, petro-chemical plants, systems difficult to shur off due to solid contents dust, rust, dirt etc.

- MANIFOLD SELECTION INFORMATION DATA

- Pressure & temperature ratings are selected from ANSI B 16.34 for standard class 2500

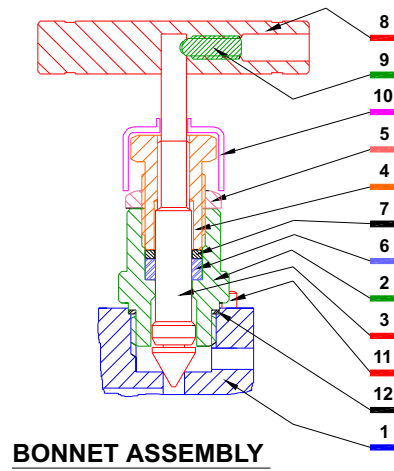
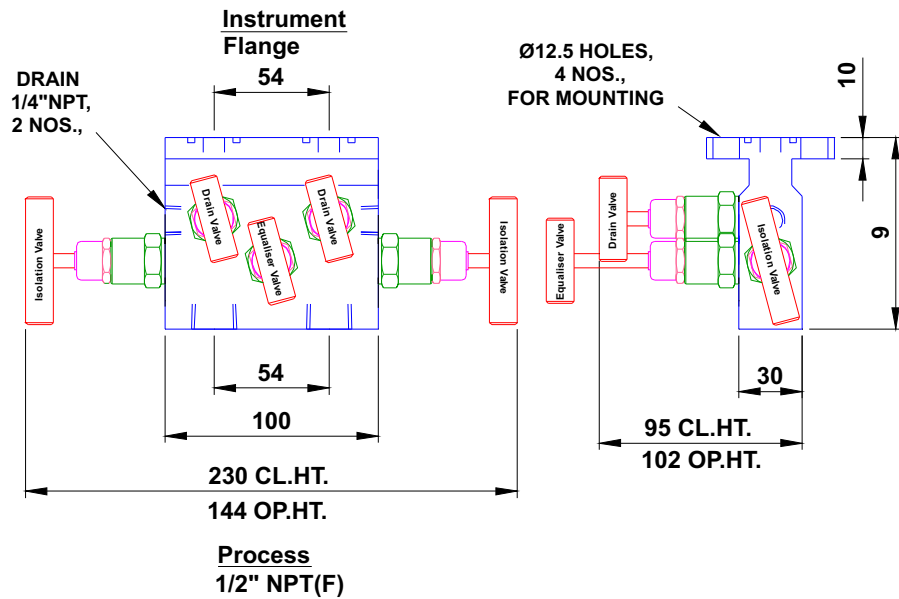
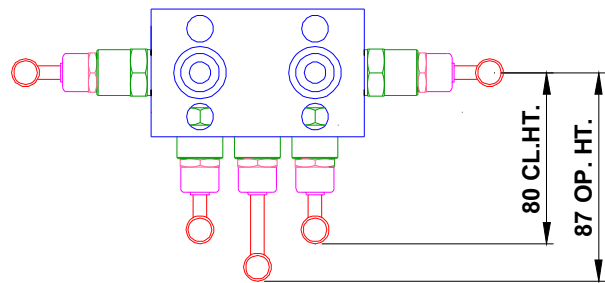
- TESTING

- Pneumatic Seat test is performed at 1/4 of working pressure.
- Hydrostatic shell test is performed at 1.5 times the working pressure.
- Optional test are available upon request.

- LUBRICATION

- Dye molly sulphide

DRN. BY	Mr.SATYAWAN	DRAWING NO :	CH - 5VMS - 00 - CL	REV :	00
APPRD. BY	Mr.TEJINDER	TITLE :	5 VALVE MANIFOLD - STRAIGHT TYPE (MODEL : 5VMS) (PIPE TO PIPE CONNECTION)		
MATERIAL	AS GIVEN				
SCALE	NTS			S.D.INDUSTRIES Tel : 91-22-28791745 / 55 / 56 Fax : 91-22-28752130 Web : www.sdindustries.com Email : sdind@vsnl.com	
		THIRD ANGLE PROJ			



BONNET ASSEMBLY

FEATURES :

- **5 VALVE MANIFOLD (TEE-TYPE)**
- 5 valve manifolds are designed for direct mounting. Connecting from process side 1/2" NPT(F) and Instrument side flange connection on suitable for DP Transmitter. Connecting system impulse lines and transmitters, having simple five valves configuration which allows for easy block or Isolate, two Equaliser, one Bleed or Vent valve calibration of a static pressure transmitter or gauge.
- Bleed/vent connection with s.s. plug will be provided on request.
- Approximate weight : 1.00 Kg (2.2 Lbs.).
- Heat code traceability

BONNET ASSEMBLY

- Screwed bonnet design.
- Bonnet-back seated blow out proof.
- Spindle - Ground and thread rolled.
- Spindle tip-Non rotating tip shut off type
- stellited, Regulating-stellited and soft seated.
- Bonnet pusher - silver plated for anti galling freeing for increased stem cycle life.
- Dust cap protects stem threads from externals contamination.
- Leak tight seal with low operating torque.

NO	DESCRIPTION	QTY	MATERIAL
1	BODY	1	SS 316
2	BONNET	1	SS 316
3	STEM	1	SS 316
4	BONNET PUSHER	1	SS 316
5	LOCK NUT	1	SS 316
6	PACKING	1	TEFLON
7	WASHER	1	SS 316
8	HANDLE	1	SS 304
9	GRUB SCREW	1	SS
10	DUST CAP	1	PLASTIC
11	LOCKING PIN	1	SS 304
12	BONNET SEAL	1	TEFLON

TECHNICAL SPECIFICATIONS

- Size : 1/4", 1/2"
- End connection : NPT,BSPT,Socket weld.
- Working Pressure : 6000 Psi (413 Bar)
- Temperature Rating : PTFE 450 Deg. F (232 Deg.C) Grafoil 700 Deg. F (371 Deg. C)
- Material of construction : SS 316, SS 304, Monel,C.S.
- Optional Sour Gas service valves are available conforming to NACE Std. MR - 01 - 75
- Stem packing : PTFE, Grafoil.
- Orifice : Dia. 4.0
- All valves are 100% Factory tested prior to shipment.

APPLICATION

- Refineries, liquid petroleum gas processing plant, petro-chemical plants, systems difficult to shur off due to solid contents dust, rust, dirt etc.

MANIFOLD SELECTION INFORMATION DATA

- Pressure & temperature ratings are selected from ANSI B 16.34 for standard class 2500

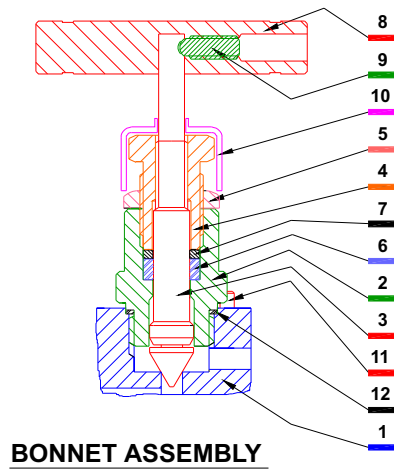
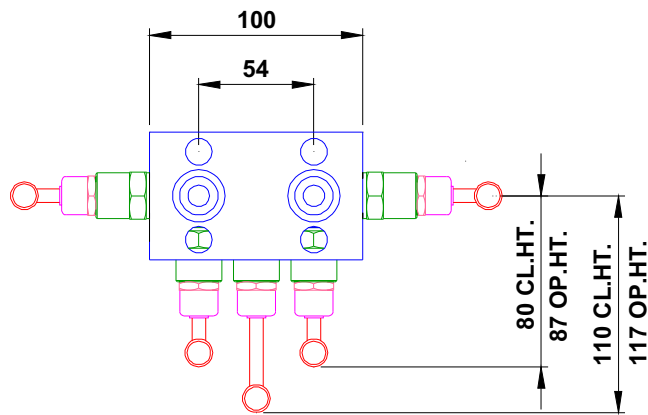
TESTING

- Pneumatic Seat test is performed at 1/4 of working pressure.
- Hydrostatic shell test is performed at 1.5 times the working pressure.
- Optional test are available upon request.

LUBRICATION

- Dye molly sulphide

DRN. BY	Mr.SATYAWAN	DRAWING NO :	CH - 5VMT - 00 - CL	REV :	00
APPRD. BY	Mr.TEJINDER	TITLE :	5 VALVE MANIFOLD - TEE TYPE (MODEL:5VMT) (PIPE TO FLANGE CONNECTION)		
MATERIAL	AS GIVEN				
SCALE	NTS	THIRD ANGLE PROJ		S.D.INDUSTRIES Tel : 91-22-28791745 / 55 / 56 Fax : 91-22-28752130 Web : www.sdindustries.com Email : sdind@vsnl.com	



BONNET ASSEMBLY

NO	DESCRIPTION	QTY	MATERIAL
1	BODY	1	SS 316
2	BONNET	1	SS 316
3	STEM	1	SS 316
4	BONNET PUSHER	1	SS 316
5	LOCK NUT	1	SS 316
6	PACKING	1	TEFLON
7	WASHER	1	SS 316
8	HANDLE	1	SS 304
9	GRUB SCREW	1	SS
10	DUST CAP	1	PLASTIC
11	LOCKING PIN	1	SS 304
12	BONNET SEAL	1	TEFLON

FEATURES :

- **5 VALVE MANIFOLD (H-TYPE)**
 - 5 valve manifolds are designed for direct mounting. Connecting from process Flange connection on suitable for process. Instrument side Flange connection on suitable for DP Transmitter. Connecting system impulse lines and transmitters, having simple five valves configuration which allows for easy two block or Isolate, two Equaliser valve, one bleed or vent valve valve calibration of a static pressure transmitter or gauge.
 - Bleed/vent connection with s.s. plug will be provided on request.
 - Approximate weight : xxx Kg (xxx Lbs.).
 - Heat code traceability
- **BONNET ASSEMBLY**
 - Screwed bonnet design.
 - Bonnet-back seated blow out proof.
 - Spindle - Ground and thread rolled.
 - Spindle tip-Non rotating tip shut off type
 - stellited, Regulating-stellited and soft seated.
 - Bonnet pusher - silver plated for anti galling freezing for increased stem cycle life.
 - Dust cap protects stem threads from externals contamination.
 - Leak tight seal with low operating torque.

TECHNICAL SPECIFICATIONS

- Size : 1/4", 1/2"
- End connection : NPT, BSPT, Socket weld.
- Working Pressure : 6000 Psi (413 Bar)
- Temperature Rating : PTFE 450 Deg. F (232 Deg. C) Grafoil 700 Deg. F (371 Deg. C)
- Material of construction : SS 316, SS 304, Monel, C.S.
- Optional Sour Gas service valves are available conforming to NACE Std. MR - 01 - 75
- Stem packing : PTFE, Grafoil.
- Orifice : Dia. 4.0
- All valves are 100% Factory tested prior to shipment.

APPLICATION

- Refineries, liquid petroleum gas processing plant, petro-chemical plants, systems difficult to shut off due to solid contents dust, rust, dirt etc.

MANIFOLD SELECTION INFORMATION DATA

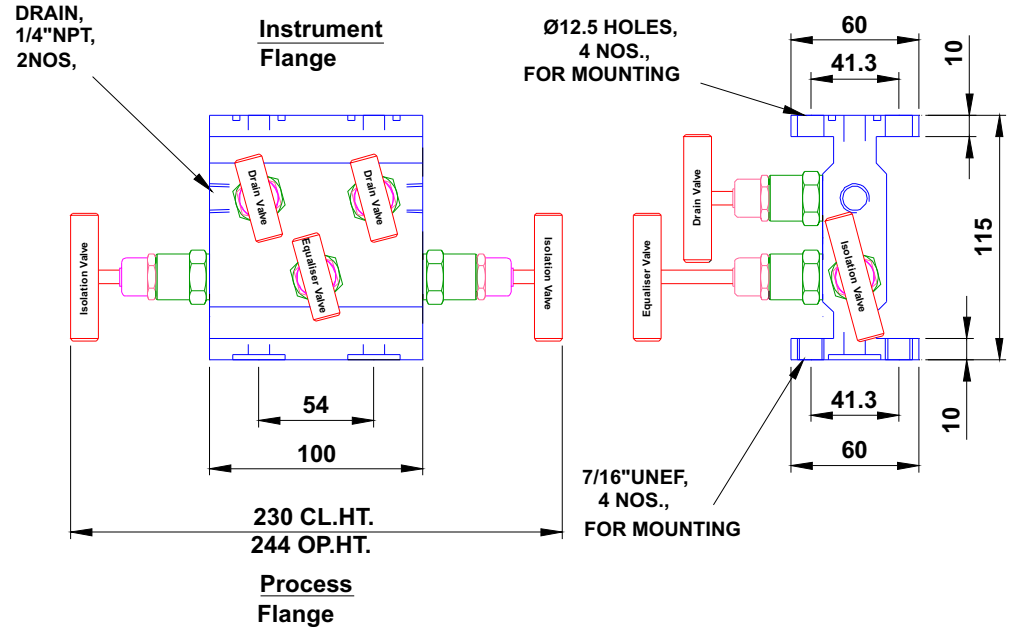
- Pressure & temperature ratings are selected from ANSI B 16.34 for standard class 2500

TESTING

- Pneumatic Seat test is performed at 1/4 of working pressure.
- Hydrostatic shell test is performed at 1.5 times the working pressure.
- Optional test are available upon request.

LUBRICATION

- Dye molly sulphide



DRN. BY	Mr.SATYAWAN	DRAWING NO :	CH - 5VMH - 00 - CL	REV :	00
APPRD. BY	Mr.TEJINDER	TITLE :	5 VALVE MANIFOLD - H TYPE (MODEL:5VMH) (FLANGE TO FLANGE CONNECTION)		
MATERIAL	AS GIVEN				
SCALE	NTS			S.D.INDUSTRIES Tel : 91-22-28791745 / 55 / 56 Fax : 91-22-28752130 Web : www.sdindustries.com Email : sdind@vsnl.com	
		THIRD ANGLE PROJ			



S.D.INDUSTRIES

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