

(Continued on the following page)

Ordering Code W2 / W3 / W5 Series

## Codification Chart for Two/Three/Five Valve Manifolds

### WINTERS INSTRUMENTS

DIN EN ISO 9001/2000  
ASME B31.1 & ASME B31.3  
CSA B51-03 Pending  
ATEX PED 97/23EC (CE0035)  
ASME VIII Div I UG 101(m)(1)

### CE0035

Table 2

E =	Sched 5S
F =	Sched 10S
G =	Sched 40S
H =	Sched 80S
J =	Sched 160S
Z =	Sched XXS

### Mounting Variations

A	= 2 or 3 way Remote Mount (no Bleed option for R3/A).	R & W
AR	= 2 Way Remote Mount - Reversed.	R & W
B	= 5 Way Manifold.	R
C	= 2, 3 or 5 way with narrow outlet.	R
D	= 3 Way Direct Mount.	R
E	= 3 Way Flange x Flange IOA (no bleed option).	R
F	= 2, 3 or 5 Way Flat Pack.	R & W
FR	= 5 Way Flat Pack, bottom entry, Inlet & Outlet 90 to one another.	W
FRW	= 5 Way Flat Pack, bottom entry, Metering Style, Double Equalize.	W
G	= 5 Way Remote Manifold with Top Mounted Bonnets.	W
H	= 2, 3 & 5 Way, H section, Add -K for kidney flange inlet (i.e. R3/HKTHXX).	R
L	= 2, 3 & 5 Way Enclosure Mounted, bottom entry.	R
P	= 2 & 3 way horizontal Remote Mount.	R & W
RR	= 3 & 5 Way, horizontal Remote Mount. DP Valves - 54 mm Centres.	R & W
S	= Reversed 2 Way, horizontal Remote Mount.	W
S1	= 3 Way Pipe to Flange (Wide Body with 40 mm inlets)(3 Way Direct Mount - Flat Pack)	R
T	= 2, 3 & 5 Way, Tee Section, (DP manifolds - 54 mm inlet).	R
W	= 5 Way Direct Mount-Flow Valve	R
HK	= 3 & 5 Way H Section +Bracket Direct Mount	W

### Manifold Type

2	= 2 Valve Manifold
3	= 3 Valve Manifold
5	= 5 Valve Manifold

### Stuffing Box & Flange Seals

T	= PTFE
G	= Graphite

### Manufacturer Identification

W = Square Valves  
R = Circular Valves (Option)

### Process Connection

F = Female Connection  
S = Socket Weld  
B = Butt Weld  
Z = See Table 2 for Weld on ends.

### Process Connection Size

2 = 1/2"  
Z = Special size  
G after the size denotes BS parallel threading. For the weld end codes see Table 2.

### Process Connection Thread Size

N	= NPT
G	= G
B	= BSP
T	= BSPT

### Instrument Connection

W = Female Connection

### Instrument Connection Size

2 = 1/2"  
Z = Special Size

### Instruments Connection Thread Size

N = NPT  
G = G  
B = BSP  
T = BSPT  
Note: Instrument connection and process connection with same connection

### Bleed Requirement

A = No bleed, no vent  
C = One bleed + one plug  
D = Two bleeds + two plugs

### Option

0 = None  
OX = Oxygen Clean  
P = Panel Mounting

### Material of Construction

S = 316 SS  
L = 316L SS  
E = 316L SS NACE MR 01-75 standard  
H = Hastelloy C  
M = Monel 400  
N = Inconel 718  
Z = Special requests

### Anti-tamper Options

X = All T Bars  
Z = Special requests

### Bleed Size

X = No bleed, no vent  
4 = 1/4" NPT  
0 = One bleed  
D = Two bleeds



Specifications are subject to modification without prior notification.

(Continued from the previous page)

Ordering Code W2 / W3 / W5 Series

(Continued on the following page)

## WINTERS INSTRUMENTS - Codification Chart for Transmitt

		Mounting Variations		
	A1 = 2 or 3 way Remote Mount (no Bleed option for N3/A). -2 Way Remote Mount 90° Valves	R&W	A = 2 or 3 way Remote Mount (no Bleed option for R3/A). AR = 2 Way Remote Mount - Reversed.	R & W R & W
	A2 = 2 or 3 way Remote Mount (no Bleed option for N3/A). -2 Way Remote Mount Manifold	R&W	B = 5 Way Manifold C = 2, 3 or 5 way with narrow outlet. D = 3 Way Direct Mount. E = 2, 3 or 5 Way Flat Pack. F = 5 Way Flat Pack, bottom entry, Inlet & Outlet 90 to one another. FR = 5 Way Remote Manifold with Top Mounted Bonnets. FRW = 5 Way Remote Manifold with Metering Style, Double Equalize. G = 2, 3 & 5 Way, H section. Add -K for kidney flange inlet (i.e. R3/HKTHXXX).	R R R R & W W W W
	A3 = 2 or 3 way Remote Mount (no Bleed option for N3/A). -3 Way Remote Mount	R&W	H = 2, 3 & 5 Way Enclosure Mounted, bottom entry. L = 2 & 3 way horizontal Remote Mount P = 3 & 5 Way horizontal Remote Mount. DP Valves - 54 mm Centres. RR = Reversed 2 Way, horizontal Remote Mount. S = 3 Way Pipe to Flange (Wide Body with 40 mm inlets)(3 Way Direct Mount - Flat Pack) S1 = 3 Way Pipe to Flange (Wide Body with 40 mm inlets)(3 Way Rear Pole Manifold)	R R R R & W R & W R R
	AR1 = 2 Way Remote Mount - Reversed. -2 Way Remote Mount 90° Valves	R&W	T = 2, 3 & 5 Way Tee Section. (DP manifolds - 54 mm inlet). W = 5 Way Direct Mount-Flow Valve HK = 3 & 5 Way H Section +Bracket Direct Mount	R R & W W W
	B1 = 5 Way Manifold -3 Way Diaphragm Mount Bonnets	R		
	B2 = 5 Way Manifold -5 Way Direct Mount	R		R & W
	C1 = 2, 3 or 5 way with narrow outlet. -3 Way Direct Mount	R	F1 = 2, 3 or 5 Way Flat Pack. -2 Way Direct Mount Flat Pack	R & W
	C2 = 2, 3 or 5 way with narrow outlet. -3 Way Direct Mount	R	F2 = 2, 3 or 5 Way Flat Pack. -3 Way Direct Mount Manifold	R & W
	D1 = 3 Way Direct Mount. -5 Way Direct Mount-Bottom Entry	R	F3 = 2, 3 or 5 Way Flat Pack. -5 Way Direct Mount	R & W
	D2 = 3 Way Direct Mount. -2 Way Direct Mount	R	F4 = 2, 3 or 5 Way Flat Pack. -2 Way Flat Pack Direct Mount	R & W
	D3 = 3 Way Direct Mount. -3 Way Direct Mount	R	F5 = 2, 3 or 5 Way Flat Pack. -2 Way H Section	R & W
	D = 3 Way Direct Mount. -3 Way Torbar Avg Pict. Manifold	R	F6 = 2, 3 or 5 Way Flat Pack. -2 Way H Section	R & W
	E = 3 Way Flange x Flange IOA (no bleed option). -2 Way H Section	R	F7 = 2, 3 or 5 Way Flat Pack. -3 Way Direct Mount CW Weld Nipples	R & W
		R	F8 = 2, 3 or 5 Way Flat Pack. -3 Way Direct Mount	R & W

CE0035

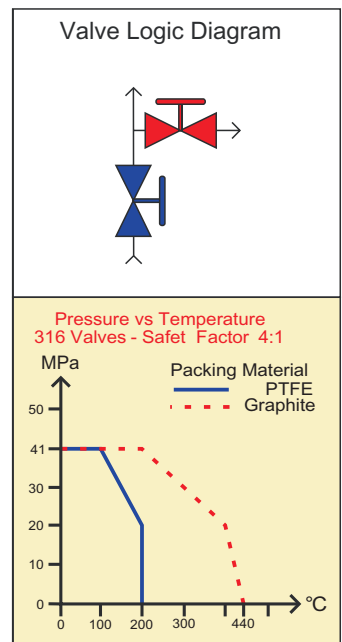
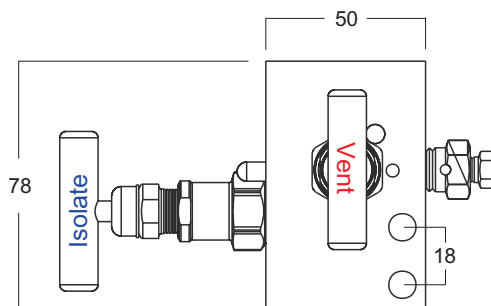
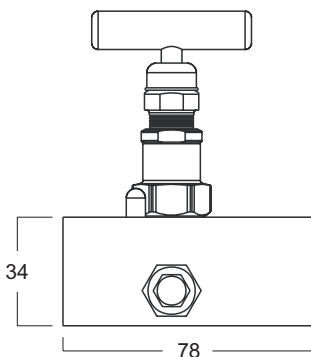
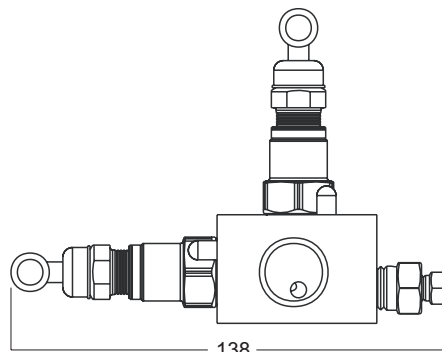
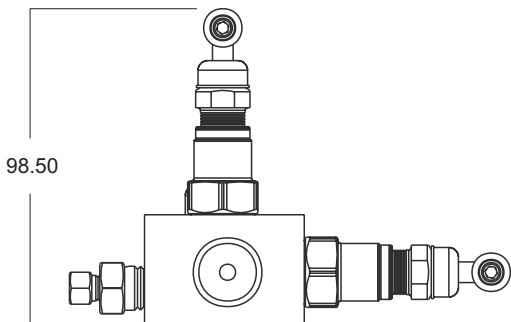
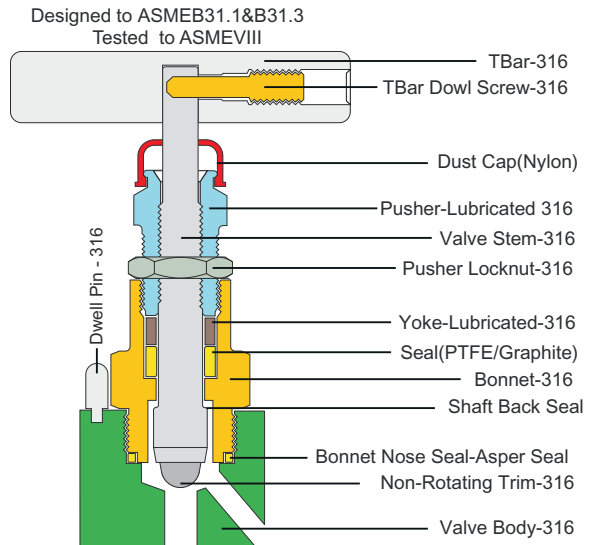
(Continued from the previous page) **Ordering Code W2 / W3 / W5 Series**

## WINTERS INSTRUMENTS - Codification Chart for Transmitt

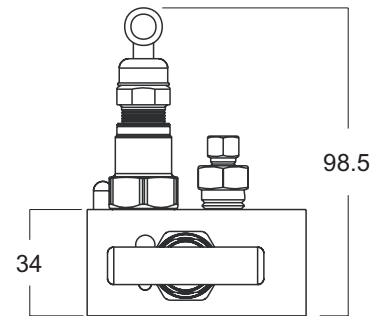
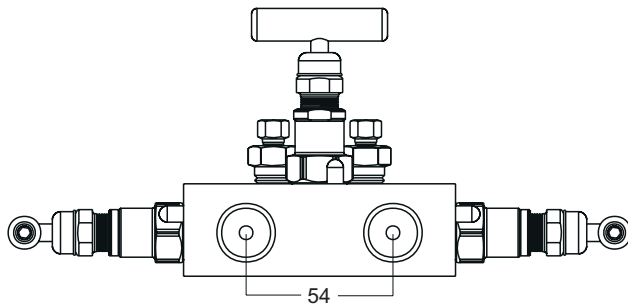
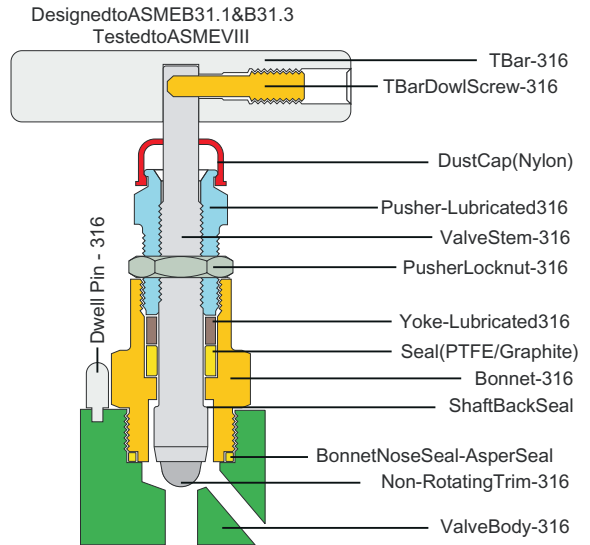
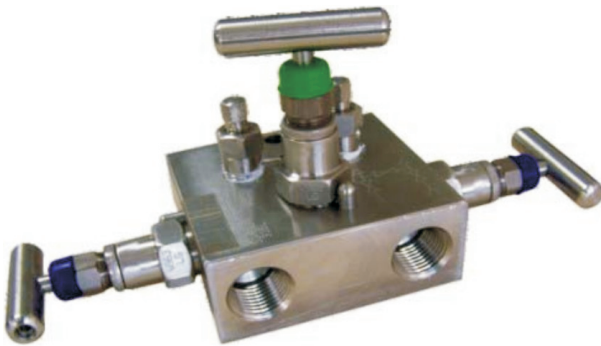
	F = 2, 3 or 5 Way Flat Pack -5 Way Direct Mount-Upstream Vent	R&W		S = 3 Way Pipe to Flange (Wide Body with 40 mm inlets) -3 Way Direct Mount - Flat Pack	R
	G1 = 5 Way Remote Manifold with Top Mounted Bonnets. -3 Way Remote-Top Mount Bonnets	W		S = 3 Way Pipe to Flange (Wide Body with 40 mm inlets) -3 Way Direct Mount - Flat Pack	R
	G2 = 5 Way Remote Manifold with Top Mounted Bonnets. -5 Way Remote-Top Mount Bonnets	W		S1 = 3 Way Pipe to Flange (Wide Body with 40 mm inlets)(3 Way Rear Pole Manifold)	R
	H = 2, 3 & 5 Way, H section. Add -K for kidney flange inlet (i.e. P3)HKTHXX). -2 Way H Section	R		T1 = 2, 3 & 5 Way, Tee Section, (DP manifolds - 54 mm inlet). -2 Way T Section Manifold	R
	L1 = 2, 3 & 5 Way Enclosure Mounted, bottom entry. -Enclosure Mounting 2 Way	R		T2 = 2, 3 & 5 Way, Tee Section, (DP manifolds - 54 mm inlet). -2 Way T Section-Upstream Vents	R
	L2 = 2, 3 & 5 Way Enclosure Mounted, bottom entry. -3 Way Enclosure Mount	R		T3 = 2, 3 & 5 Way, Tee Section, (DP manifolds - 54 mm inlet). -3 Way T Section	R
	L3 = 2, 3 & 5 Way Enclosure Mounted, bottom entry. -3 Way Enclosure Mount	R		T4 = 2, 3 & 5 Way, Tee Section, (DP manifolds - 54 mm inlet). -5 Way H Section Direct Mount	R
	P1 = 2 & 3 way horizontal Remote Mount -2 Way Top Mounted Bonnets	R&W		T5 = 2, 3 & 5 Way, Tee Section, (DP manifolds - 54 mm inlet). -5 Way T Section-Upstream Vent	R
	P2 = 2 & 3 way horizontal Remote Mount -3 Way Remote Mount Manifold	R&W		T6 = 2, 3 & 5 Way, Tee Section, (DP manifolds - 54 mm inlet). -5 Way-Up stream Vent-D/S Bleeds	R
	R1 = 3 & 5 Way, horizontal Remote Mount, DP Valves - 54 mm Centres. -3 Way Remote Mount Manifold	R&W		W = 5 Way Direct Mount-Flow Valve	W
	R2 = 3 & 5 Way, horizontal Remote Mount, DP Valves - 54 mm Centres. -2 Way Remote Mount	R&W		HK1 = 3 Way H Section	W
	R3 = 3 & 5 Way, horizontal Remote Mount, DP Valves - 54 mm Centres. -3 Way Remote Mount	R&W		HK2 = 3 Way H Section +Bracket	W
	R4 = 3 & 5 Way, horizontal Remote Mount, DP Valves - 54 mm Centres. -5 Way Remote Mount	R&W		HK3 = 3 Way H Section Direct Mount	W
	RR = Reversed 2 Way, horizontal Remote Mount. -Reversed 2 Way Remote Mount	W			

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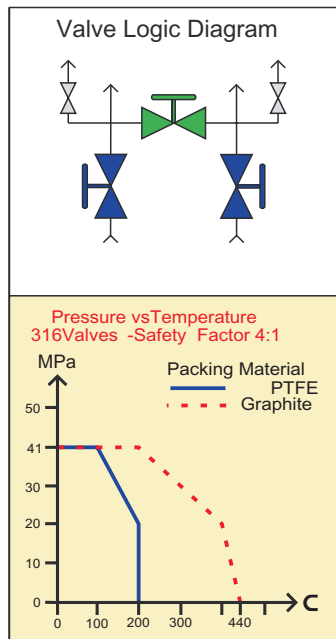
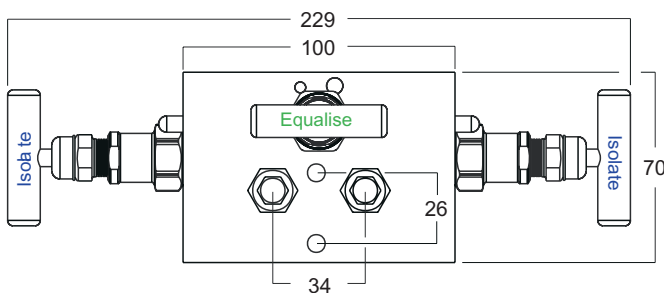
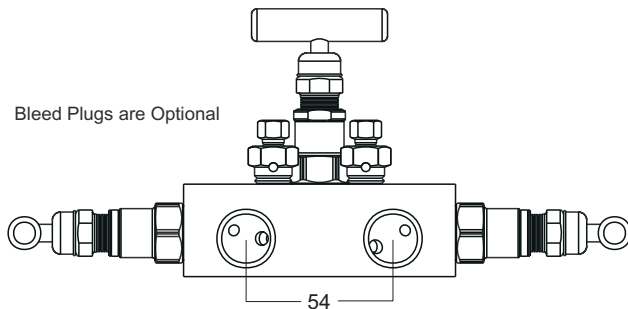
Valve heads positively anchored  
 Fully articulated back-sealing shaft  
 Dual, pressure activated, stuffing boxes  
 Anti-blowout shaft with full process isolation  
 Bubble tight seal guaranteed on liquid & gases  
 DIN EN ISO 9001:2000 CSA Pending



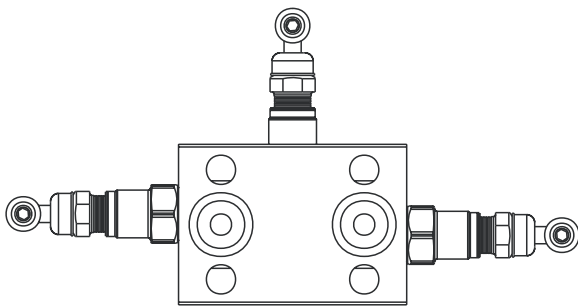
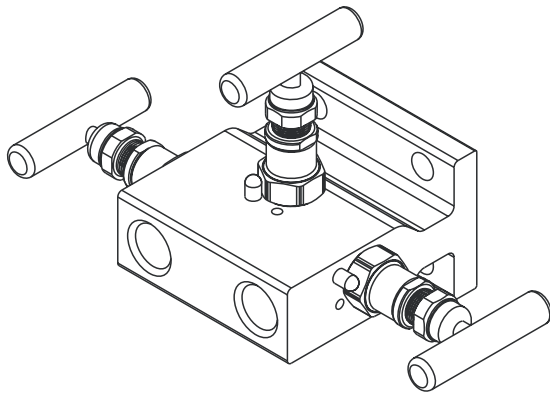
**Valveheads positively anchored**  
**Fully articulated back-sealing shaft**  
**Dual, pressure activated, stuffing boxes**  
**Anti-blowout shaft with full process isolation**  
**Bubble tight seal guaranteed on liquid & gases**  
**DIN EN ISO 9001:2000 CSA Pending**



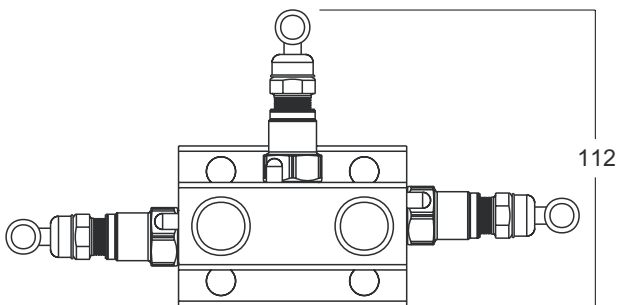
Bleed Plugs are Optional



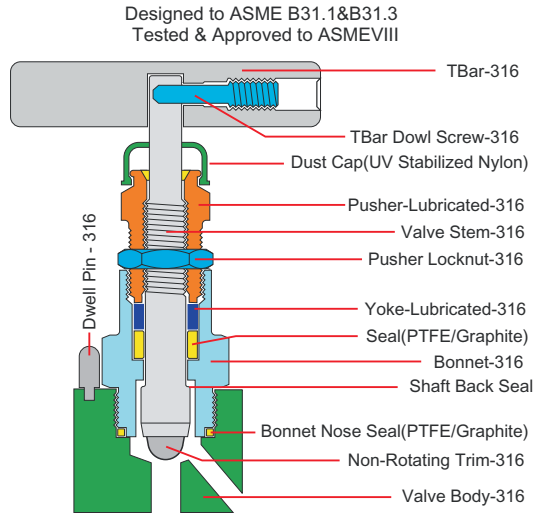
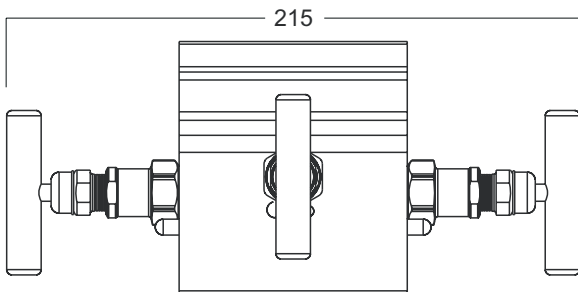
- Valveheads positively anchored
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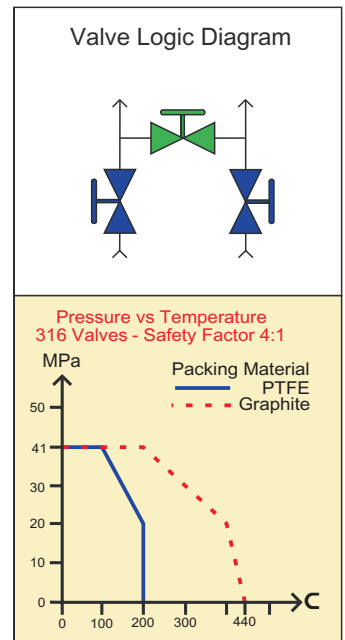
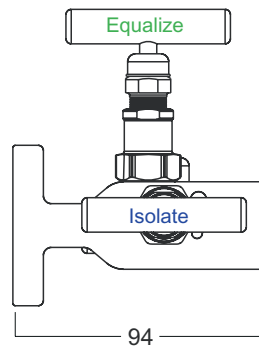
Outlet-"O"Rings  
Distance between centres: 54x41.3mm



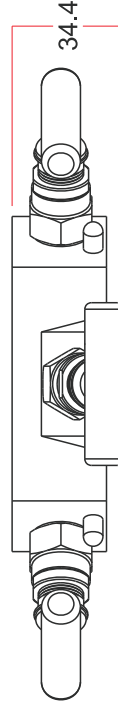
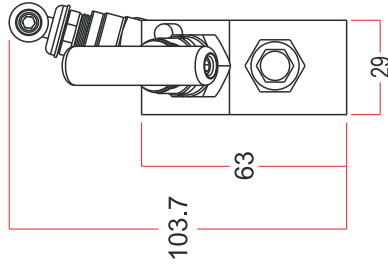
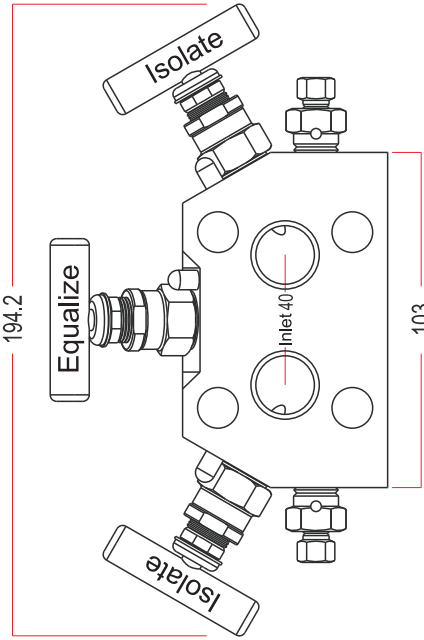
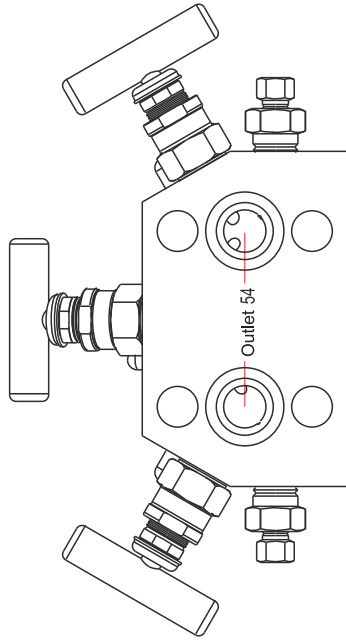
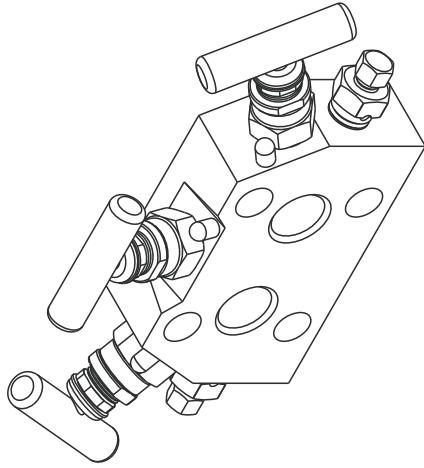
Inlet-Screwed 1/2"NPT  
Distance between centres: 54mm  
2" Pipe Bracket Mounting Holes M8x14mm Apart



4 Times Over Pressure Safety Margin



Unit: mm



Outlet : 41.3 x 54 mm 'O' Rings

DIN EN ISO 9001:2000  
**WINTERS INSTRUMENTS**  
 Design : MSS-SP-99  
 Testing : ASME VIII



Title : 3 Way Direct Mount

Part No : W3F2TF2NW2ND4XSO

Rev : 1

Weight : TBA

**Notes**

WINTERS INSTRUMENTS valves are available in Austenitic and Carbon Steel. The WINTERS INSTRUMENTS Valvehead offers :-

- Valveheads Positively Anchored
- Fully Articulated Back-sealing Shaft
- Anti-blowout Shaft with Full Process Isolation
- Bubble Tight Seal Guaranteed on Liquids & Gases

**Marking**

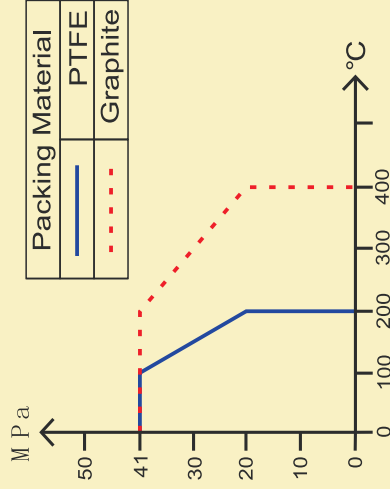
- Manufacturer
- Flow Schematic
- Operating Limits
- Colour Coded Dust Caps
- All Element Traceability & Materials of Construction

**Design Criteria**

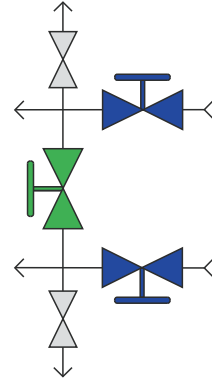
WINTERS INSTRUMENTS is manufactured under the supervision of DIN EN ISO 9001:2000. All valves have an Over Pressure Safety margin of 1.5 times.

Pressure rating, see graph. **WINTERS INSTRUMENTS** Pushers are grey in colour because they are coated with alubricant

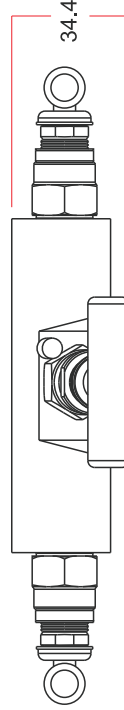
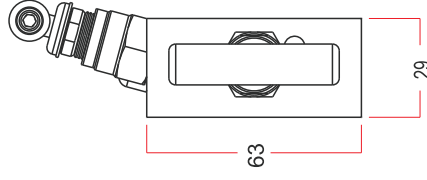
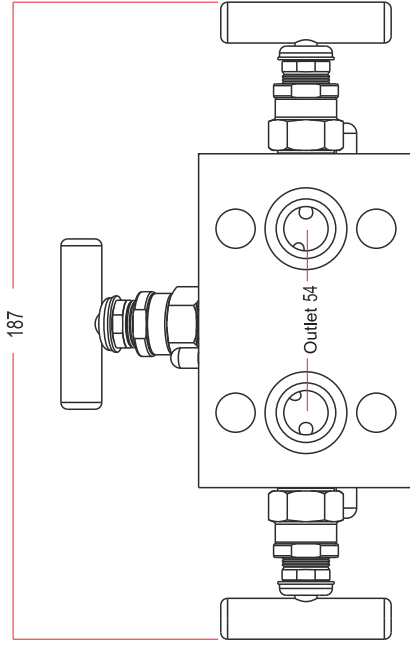
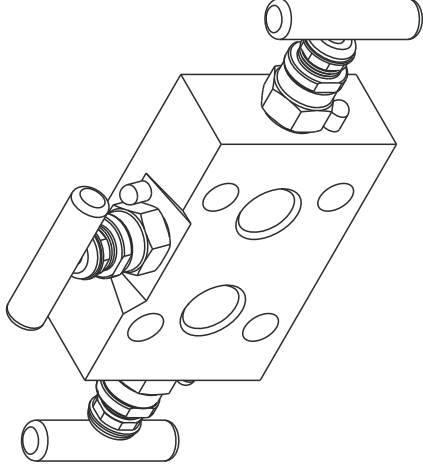
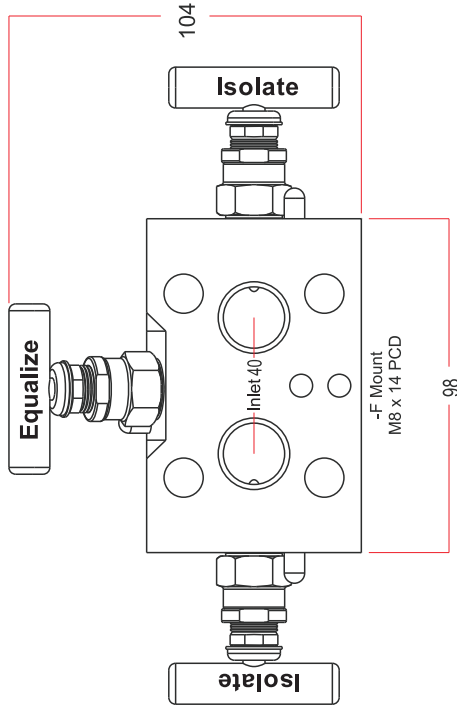
**Pressure vs Temperature**  
**Safety Factor : Bonnet & Trim - 2**



**Valve Logic Diagram**



Unit: mm



Outlet : 41.3 x 54 mm 'O' Rings

DIN EN ISO 9001:2000  
**WINTERS INSTRUMENTS**  
 Design : MSS-SP-99  
 Testing : ASME VIII



Rev : 0	Title : 3 Way Direct Mount
Weight : TBA	Part No : W3/F2TF2NW2NSXX

**Notes**

WINTERS INSTRUMENTS valves are available in Austenitic and Carbon Steel. The WINTERS INSTRUMENTS Valvehead offers :-

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- Fully Articulated Back-sealing Shaft
- Anti-blowout Shaft with Full Process Isolation
- Bubble Tight Seal Guaranteed on Liquids & Gases

**Marking**

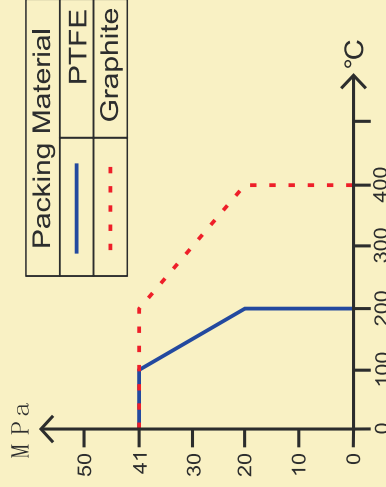
- Manufacturer
- Flow Schematic
- Operating Limits
- Colour Coded Dust Caps
- All Element Traceability & Materials of Construction

**Design Criteria**

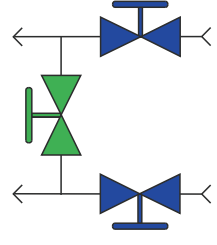
WINTERS INSTRUMENTS is manufactured under the supervision of DIN EN ISO 9001:2000. All valves have an Over-Pressure Safety margin of 1.5 times.

Pressure rating, see graph. **WINTERS INSTRUMENTS** Pushers are grey in colour because they are coated with lubricant.

**Pressure vs Temperature Safety Factor : Bonnet & Trim - 2**



Valve Logic Diagram



Specifications are subject to modification without prior notification



**Valveheads positively anchored**  
**Fully articulated back-sealing shaft**  
**Dual, pressure activated, stuffing boxes**  
**Anti-blowout shaft with full process isolation**  
**Bubble tight seal guaranteed on liquid & gases**  
**DIN EN ISO 9001:2000 CSA Pending**

