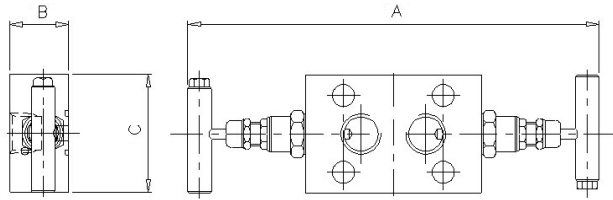


Product Data Sheet

Y22 Type 2 Valve Manifold



The 'Y22' Type 2 valve manifold is designed for liquid level transmitters having a separate isolate valve for each of the high and low pressure inlets. Each needle valve head is designed for safe and reliable isolation, giving bubble tight shut off, with non-rotating & anti-galling tip and dynamic self-adjusting spindle seal to give long service life in a variety of service conditions.

Part No.	Connections Size	A	B	C	Weight (Kgs)
Y22	1/2" F x FLANGE	9.3	1.3	2.5	1.4

Key Features of the Oliver Needle Valve range

- Non rotating tip - self centering & anti-galling
- Piston ring - gives dynamic adjustment of gland seal in response to pressure change
- Anti-blow out spindle - a major safety feature
- Secure seal - precision machined to give leak free operation for the life of the valve. Available in either PTFE or Grafoil

Standard Specification

Pressure: 6000psi	Packing: PTFE	Handle: T-Bar	Bore: 0.21" (5.4mm)
Temp: 240 deg C	Thread form: NPT	Seat: Metal to metal	CV: 0.46
4 x 7/16" UNF bolts for mounting to transmitter		2 x PTFE/Grafoil seal rings for transmitter flange	
1/2" Inlet Connection		1/4" NPT Vent Connection	

Ordering Code

(Typical example) → **Y22** **S** **/** **BT** **/** **AT**

Type

Y22 - Female x Flanged

Material

S - 316S31 Stainless Steel
M - Monel (400)
HC - Hastalloy (C276)
(Others available)

Optional Connections (NPT Standard)

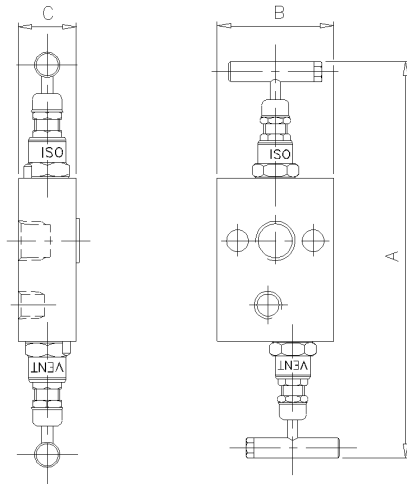
BT - BSP Taper
BP - BSP Parallel (top sealing)
FSW - Female Socket Weld

Options

AG - Grafoil	LT200 - Cryogenic Head Unit (-200°C)
AT - Anti-Tamper	MT - Metering Tip
BKTC - Carbon steel mounting bracket	MTG - Tapped Mounting Holes x 2
BKTS - Stainless steel mounting bracket	NA - NACE MR-01-75 (latest revision)
HL - Handle Locking	OXY - Oxygen Cleaned
HL-PI - Handle Locking + Position Indicator	PK - PEEK Soft Tip
HW - Hand Wheel	SSB - Stainless steel transmitter mounting bolts
LT100 - Cryogenic Head Unit (-100°C)	(4800 psi max pressure rating)

Product Data Sheet

Y24 and Y25 Type 2 Valve Manifold



The 'Y24' and 'Y25' Type 2-valve manifold is designed for direct mounting to static pressure transmitters. The separate vent valve gives full control of venting of the instrument, plus the ability to calibrate in-situ. Each needle valve head is designed for safe and reliable isolation, giving bubble tight shut off, with non-rotating & anti-galling tip and dynamic self-adjusting spindle seal to give long service life in a variety of service conditions.

Part No.	Connections Size"	A	B	C	Weight (Kgs)
Y24	1/2" F x FLANGE	8.5	2.5	1.2	1.4
Y25	FLANGE x FLANGE	8.5	2.5	1.2	1.4

Key Features of the Oliver Needle Valve range

- Non rotating tip - self centering & anti-galling
- Piston ring - gives dynamic adjustment of gland seal in response to pressure change
- Anti-blow out spindle - a major safety feature
- Secure seal - precision machined to give leak free operation for the life of the valve. Available in either PTFE or Grafoil

Standard Specification

Pressure: 6000psi	Packing: PTFE	Handle: T-Bar	Bore: 0.21" (5.4mm)
Temp: 240 deg C	Thread form: NPT	Seat: Metal to metal	CV: 0.46
2 x 7/16" UNF bolts for mounting to transmitter		1 x PTFE or Grafoil seal ring for transmitter flange	
1/2" Connection (on Y24)		1/4" NPT Vent Connection	

Ordering Code

(Typical example) →		Y24	S	/	BT	/	AT
Type							
Y24 - Female x Flanged							
Y25 - Flanged x Flanged							
Material							
S - 316S31 Stainless Steel							
M - Monel (400)							
HC - Hastalloy (C276)							
(Others available)							
Optional Connections (NPT Standard)							
BT - BSP Taper (Y24 only)							
BP - BSP Parallel (top sealing) (Y24 only)							
BTV - BSP Taper Vent							
BPV - BSP Parallel Vent							
FSW - Female Socket Weld (Y24 only)							
Options							

AG - Grafoil
 AT - Anti-Tamper
 BKTC - Carbon steel mounting bracket
 BKTS - Stainless steel mounting bracket
 HL - Handle Locking
 HL-PI - Handle Locking + Position Indicator
 HW - Hand Wheel
 LT100 - Cryogenic Head Unit (-100°C)

MT - Metering Tip
 MTG - Tapped Mounting Holes x 2
 NA - NACE MR-01-75 (latest revision)
 OXY - Oxygen Cleaned
 PK - PEEK Soft Tip
 PP - Blank Plug In Vent Connection
 SSB - Stainless steel transmitter mounting bolts (4800 psi max pressure rating)

Rev 1.1

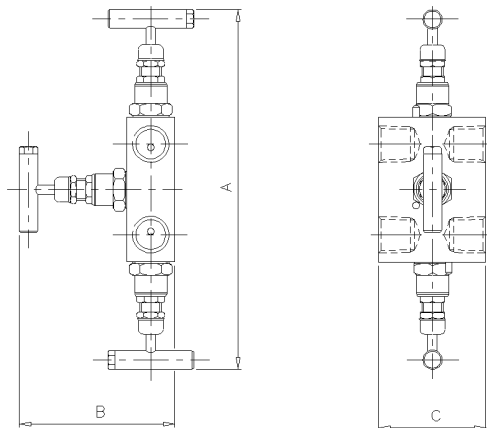
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Product Data Sheet

Y33/YV33 Type 3 Valve Manifold



The 'Y33' and 'YV33' Type 3 valve manifolds are designed for remote mounting to differential pressure transmitters, with separate isolation for LP and HP inlets plus equalising valve for simple calibration. Each needle valve head is designed for safe and reliable isolation, giving bubble tight shut off, with non-rotating & anti-galling tip and dynamic self-adjusting spindle seal to give long service life in a variety of service conditions.

Part No.	Connections Size	A	B	C	Weight (Kgs)
Y33	1/2" F x F	8.4	3.6	2.5	1.5
YV33	1/2" F x F	8.4	3.6	2.5	1.5

Key Features of the Oliver Needle Valve range

- Non rotating tip - self centering & anti-galling
- Piston ring - gives dynamic adjustment of gland seal in response to pressure change
- Anti-blow out spindle - a major safety feature
- Secure seal - precision machined to give leak free operation for the life of the valve. Available in either PTFE or Grafoil

Standard Specification

Pressure: 6000psi	Packing: PTFE	Handle: T-Bar	Bore: 0.21" (5.4mm)
Temp: 240 deg C	Thread form: NPT	Seat: Metal to metal	CV: 0.46
1/2" Inlet and Outlet Connections		1/4" NPT Plugged Vent Connection (on YV only)	

Ordering Code

(Typical example) →		Y33	S	/	BT	/	AT
Type							
Y33 - Female x Female YV33 - Female x Female with vents							
Material							
S - 316S31 Stainless Steel M - Monel (400) HC - Hastalloy (C276) (Others available)							
Optional Connections (NPT Standard)							
BT - BSP Taper BP - BSP Parallel FSW - Female Socket Weld							
Options							
AG - Grafoil AT - Anti-Tamper BKTC - Carbon steel mounting bracket BKTS - Stainless steel mounting bracket HL - Handle Locking HL-PI - Handle Locking + Position Indicator HW - Hand Wheel				LT100 - Cryogenic Head Unit (-100°C) MT - Metering Tip MTG - Tapped Mounting Holes x 2 NA - NACE MR-01-75 (latest revision) OXY - Oxygen Cleaned PK - PEEK Soft Tip 2H - Straight through mounting holes			

Rev 1.1

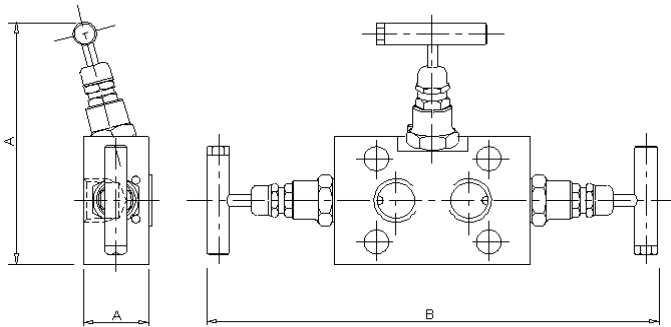
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Product Data Sheet

Y34/YV34 Type 3 Valve Manifold



The 'Y34' and 'YV34' Type 3 valve manifolds are designed for direct mounting to differential pressure transmitters, with separate isolation for LP and HP inlets plus equalising valve for simple calibration. Each needle valve head is designed for safe and reliable isolation, giving bubble tight shut off, with non-rotating & anti-galling tip and dynamic self-adjusting spindle seal to give long service life in a variety of service conditions.

Part No.	Connections Size	A	B	C	Weight (Kgs)
Y34	½" F x FLANGE	4.7	8.75	1.2	1.5
YV34	½" F x FLANGE WITH VENT	4.7	9.25	1.2	1.5

Key Features of the Oliver Needle Valve range

- Non rotating tip - self centering & anti-galling
- Piston ring - gives dynamic adjustment of gland seal in response to pressure change
- Anti-blow out spindle - a major safety feature
- Secure seal - precision machined to give leak free operation for the life of the valve. Available in either PTFE or Grafoil

Standard Specification

Pressure: 6000psi	Packing: PTFE	Handle: T-Bar	Bore: 0.21" (5.4mm)
Temp: 240 deg C	Thread form: NPT	Seat: Metal to metal	CV: 0.46
4 x 7/16" UNF bolts for mounting to transmitter		2 x PTFE/Grafoil seal rings for transmitter flange	
1/2" Inlet Connections		1/4" NPT Plugged Vent Connection (YV34 only)	

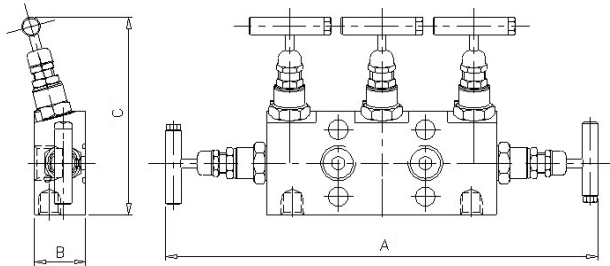
Ordering Code

(Typical example) →		Y34	S	/	BT	/	AT
Type							
Y34 - Female x Flanged							
YV34 - Female x Flanged with vent							
Material							
S - 316S31 Stainless Steel							
M - Monel (400)							
		HC - Hastalloy (C276)					
		(Others available)					
Optional Connections (NPT Standard)							
BT - BSP Taper							
Options							
AG - Grafoil							
AT - Anti-Tamper							
BKTC - Carbon steel mounting bracket							
BKTS - Stainless steel mounting bracket							
HL - Handle Locking							
HL-PI - Handle Locking + Position Indicator							
HW - Hand Wheel							
LT100 - Cryogenic Head Unit (-100°C)							
		MT - Metering Tip					
		MTG - Tapped Mounting Holes x 2					
		NA - NACE MR-01-75 (latest revision)					
		OXY - Oxygen Cleaned					
		PK - PEEK Soft Tip					
		SSB - Stainless steel transmitter mounting bolts					
		(4800 psi max pressure rating)					

Rev 1.1

Product Data Sheet

Y53 Type 5 Valve Manifold



The 'Y53' Type 5 valve manifolds are designed for direct mounting to differential pressure transmitters, with separate isolation and vent for LP and HP inlets plus equalising valve for simple calibration. Each needle valve head is designed for safe and reliable isolation, giving bubble tight shut off, with non-rotating & anti-galling tip and dynamic self-adjusting spindle seal to give long service life in a variety of service conditions.

Part No.	Connections Size	A	B	C	Weight (Kgs)
Y53	1/2" F x Flanged	10.6	1.3	4.8	2.3

Key Features of the Oliver Needle Valve range

- Non rotating tip - self centering & anti-galling
- Piston ring - gives dynamic adjustment of gland seal in response to pressure change
- Anti-blow out spindle - a major safety feature
- Secure seal - precision machined to give leak free operation for the life of the valve. Available in either PTFE or Grafoil

Standard Specification

Pressure: 6000psi	Packing: PTFE	Handle: T-Bar	Bore: 0.21" (5.4mm)
Temp: 240 deg C	Thread form: NPT	Seat: Metal to metal	CV: 0.46
4 x 7/16" UNF bolts for mounting to transmitter		2 x PTFE/Grafoil seal rings for transmitter flange	
1/2" Inlet Connections		1/4" NPT Vent Connections	

Ordering Code

(Typical example) →		Y53	S	/	BT	/	AT
Type							
Y53 - Female x Flanged							
Material							
S - 316S31 Stainless Steel M - Monel (400) HC - Hastalloy (C276) (Others available)							
Optional Connections (NPT Standard)							
BT - BSP Taper BP - BSP Parallel (top sealing) BTV - BSP Taper Vent BPV - BSP Parallel Vent FSW - Female Socket Weld							
Options							
AG - Grafoil AT - Anti-Tamper BKTC - Carbon steel mounting bracket BKTS - Stainless steel mounting bracket HL - Handle Locking HL-PI - Handle Locking + Position Indicator HW - Hand Wheel LT100 - Cryogenic Head Unit (-100°C)		MT - Metering Tip MTG - Tapped Mounting Holes x 2 NA - NACE MR-01-75 (latest revision) OXY - Oxygen Cleaned PK - PEEK Soft Tip PP - Blank Plug Fitted In Vent Connection SSB - Stainless steel transmitter mounting bolts (4800psi max pressure rating)					

Rev 1.1

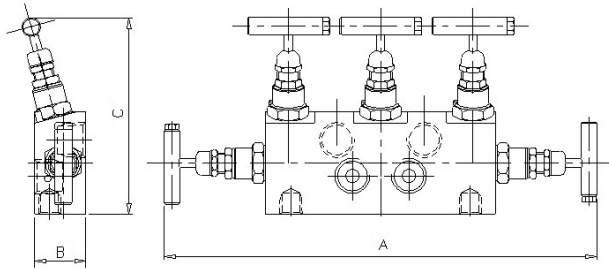
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Product Data Sheet

Y54 Type 5 Valve Manifold



The 'Y54' Type 5 valve manifolds are designed for remote mounting to differential pressure transmitters, with separate isolation and vent for LP and HP inlets plus equalising valve for simple calibration. Each needle valve head is designed for safe and reliable isolation, giving bubble tight shut off, with non-rotating & anti-galling tip and dynamic self-adjusting spindle seal to give long service life in a variety of service conditions.

Part No.	Connections Size	A	B	C	Weight (Kgs)
Y54	½" F x F	10.6	1.3	4.8	2.3

Key Features of the Oliver Needle Valve range

- Non rotating tip - self centering & anti-galling
- Piston ring - gives dynamic adjustment of gland seal in response to pressure change
- Anti-blow out spindle - a major safety feature
- Secure seal - precision machined to give leak free operation for the life of the valve. Available in either PTFE or Grafoil

Standard Specification

Pressure: 6000psi	Packing: PTFE	Handle: T-Bar	Bore: 0.21" (5.4mm)
Temp: 240 deg C	Thread form: NPT	Seat: Metal to metal	CV: 0.46
1/2" Inlet and Outlet Connections		1/4" NPT Vent Connections	

Ordering Code

(Typical example) →		Y54	S	/	BT	/	AT
Type							
Y54 - Female x Female							
Material							
S - 316S31 Stainless Steel M - Monel (400) HC - Hastalloy (C276) (Others available)							
Optional Connections (NPT Standard)							
BT - BSP Taper BP - BSP Parallel (top sealing) BTV - BSP Taper Vent BPV - BSP Parallel Vent FSW - Female Socket Weld							
Options							
AG - Grafoil AT - Anti-Tamper BKTC - Carbon steel mounting bracket BKTS - Stainless steel mounting bracket HL - Handle Locking HL-PI - Handle Locking + Position Indicator HW - Hand Wheel				LT100 - Cryogenic Head Unit (-100°C) MT - Metering Tip MTG - Tapped Mounting Holes x 2 NA - NACE MR-01-75 (latest revision) OXY - Oxygen Cleaned PK - PEEK Soft Tip PP - Blank Plug Fitted In Vent Connection			

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