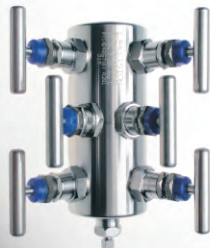


# PRECISION Instrument Manifolds



PRECISION Instrument Manifold & Valves  
"The New Standard"

# PRECISION Instrument Manifolds

## Needle & Hand Valve A & B Series

PRECISION'S line of Hand Valves are ideal for isolation and instrument applications that require a bleed for the trapped process media. The A Style offers isolation only whilst the B or Bleeding Gauge Valve, offers bleed of pressure to atmosphere.

### Applications

Simple isolation applications and isolate and bleed applications for instruments or offline situations. The bleed plug vents to atmosphere so it is best not to use with toxic or hazardous materials.

### Features & Benefits

Each valve is fully tested prior to shipping. Each Precision valve is tested with nitrogen prior to shipment to maximum working pressure prior to shipment, twice, once after assembly, and again after the valve(s) have been fully opened and closed. All potential leak paths are tested, and each valve/manifold must be bubble tight to pass our stringent quality controls.

### Non-Rotating Trim Ensures Bubble Tight Shutoff

Tip is articulated at the seat, not the shaft/seal area, ensuring bubble tight shutoff for years of trouble free service. Articulating at the tip keeps the stem packing from being damaged by torque caused by misalignment of seat and tip.

### Stem is Back Seated

Valve stem has a shoulder to prevent accidental removal of stem from valve/bonnet.

### Solid, Fully Machined Bonnet Lock Pin

Bonnet lock pin is solid, fully machined with no sharp edges that could injure staff, prevents accidental removal of bonnet from body.

### Dowel Pin to hold Handle in Place

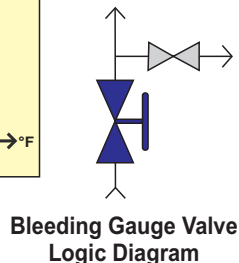
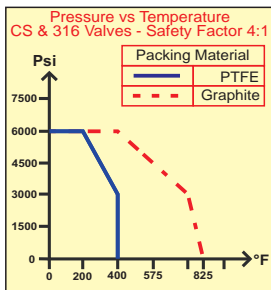
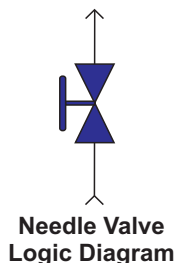
The handle is secured in place by a dowel pin that protrudes into valve shaft to hold it in place. Handles do not fall off in high vibration service.

### Full Traceability

Every valve is permanently marked with a batch number that allows all element traceability.

### Wide variety of Materials

Available in a wide variety of materials of construction, our stainless steel valves are ALL stainless steel, including handles, valve shafts, and other non wetted parts. *Ideal for use in offshore or other corrosive environments!*



# PRECISION Instrument Manifolds

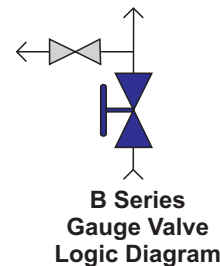
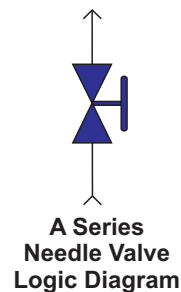
## Needle & Hand Valve A & B Series

Gauge Valves provide full process isolation & downstream bleed to atmosphere

NEEDLE & HAND VALVES

Size Code in Inches	
1	= 1/8"
2	= 1/4"
3	= 3/8"
4	= 1/2"
5	= 5/8"
6	= 3/4"
7	= 7/8"
8	= 1"
16	= 2"

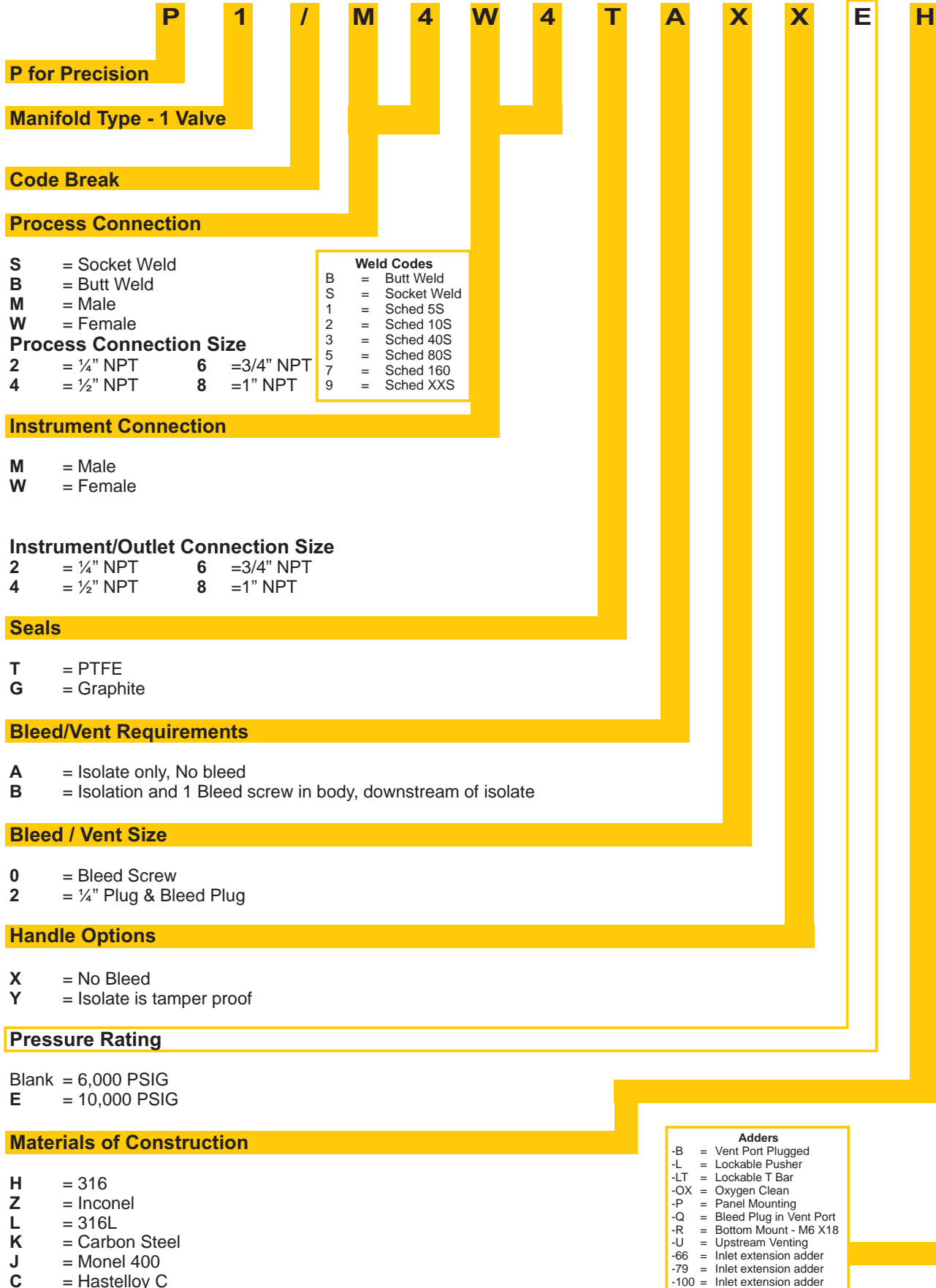
<p><b>P1/W4W4TAXXH</b></p>	<p><b>P1/M4W4TB0XH</b></p>
<p><b>P1/W4W4TAXXH-P</b></p>	<p><b>P1/M8W8TAXXH</b></p>
<p><b>P1/W4W4TAXXH-L</b></p>	<p><b>P1/M4W4GSTB2XH</b></p>
<p><b>P1/W8W8TAXXH</b></p>	<p><b>P1/B45W4TAXXH-100</b></p>
<p><b>P1/SW4SW4TAXXH</b></p>	<p><b>P1/T8T8TAXXH</b></p>



Weld Codes	
B	= Butt Weld
S	= Socket Weld
1	= Sched 5S
2	= Sched 10S
3	= Sched 40S
5	= Sched 80S
7	= Sched 160
9	= Sched XXS

# PRECISION Instrument Manifolds

## Needle & Hand Valve A & B Series



**P** for Precision

**Manifold Type - 1 Valve**

**Code Break**

**Process Connection**

- S** = Socket Weld
- B** = Butt Weld
- M** = Male
- W** = Female

**Process Connection Size**

- 2** = ¼" NPT      **6** = ¾" NPT
- 4** = ½" NPT      **8** = 1" NPT

Weld Codes	
<b>B</b>	= Butt Weld
<b>S</b>	= Socket Weld
<b>1</b>	= Sched 5S
<b>2</b>	= Sched 10S
<b>3</b>	= Sched 40S
<b>5</b>	= Sched 80S
<b>7</b>	= Sched 160
<b>9</b>	= Sched XXS

**Instrument Connection**

- M** = Male
- W** = Female

**Instrument/Outlet Connection Size**

- 2** = ¼" NPT      **6** = ¾" NPT
- 4** = ½" NPT      **8** = 1" NPT

**Seals**

- T** = PTFE
- G** = Graphite

**Bleed/Vent Requirements**

- A** = Isolate only, No bleed
- B** = Isolation and 1 Bleed screw in body, downstream of isolate

**Bleed / Vent Size**

- 0** = Bleed Screw
- 2** = ¼" Plug & Bleed Plug

**Handle Options**

- X** = No Bleed
- Y** = Isolate is tamper proof

**Pressure Rating**

- Blank = 6,000 PSIG
- E** = 10,000 PSIG

**Materials of Construction**

- H** = 316
- Z** = Inconel
- L** = 316L
- K** = Carbon Steel
- J** = Monel 400
- C** = Hastelloy C

Adders	
<b>-B</b>	= Vent Port Plugged
<b>-L</b>	= Lockable Pusher
<b>-LT</b>	= Lockable T Bar
<b>-OX</b>	= Oxygen Clean
<b>-P</b>	= Panel Mounting
<b>-Q</b>	= Bleed Plug in Vent Port
<b>-R</b>	= Bottom Mount - M6 X18
<b>-U</b>	= Upstream Venting
<b>-66</b>	= Inlet extension adder
<b>-79</b>	= Inlet extension adder
<b>-100</b>	= Inlet extension adder
Shaft	
<b>-M</b>	= Metering Trim
<b>-J</b>	= Monel 400
<b>-I</b>	= Incoloy

- Options

NEEDLE & HAND VALVES



Contact Information



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