The selection is detailed on page 5



Product application

Used for shutdown, pressure balance, cleaning and exhaust of liquid, gas and steam differential pressure meters.

Stainless steel type is suitable for aggressive media and aggressive environment.

Process industries: machinery manufacturing, general equipment construction, chemical and petrochemical industries, power stations, mining, land and offshore platform applications and environmental protection.

functional performance

One-way, three-way, four-way and five-way valves

Brass or stainless steel material, durable.

Valve block with double-sided conical seal, PN100 and 400

Multiple process connections

Nominal pressure: 4, 10 or 40 MPa

Product description

non-return valve

The check valve of the valve group adopts the upstream pressure balance valve, which can ensure that the pressure load measured by positive pressure and negative pressure is consistent, and can prevent the instrument from unilateral overpressure during start-up and operation. In addition, the one-way valve can also make the instrument realize zero detection during operation.

Three-port valve

The three-way valve is also equipped with an additional stop valve, which can isolate the process pipeline without affecting the normal production line, thus realizing the disassembly, testing and closing of the instrument. The three-way valve can not only prevent destructive pressure overload in the pipeline, but also realize static pressure measurement after the differential pressure gauge is removed.

Four-way and five-way valves

These two valve groups are pressure valve groups with integrated cut-off valves and cleaning and exhaust valves, which can be used not only to drain the pressure on one or both sides of the pressure gauge, but also to clean the gas supply pipeline.

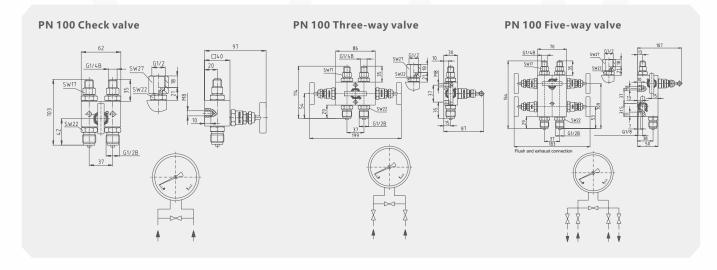




Technical parameter

PN 100- Stainless steel	One way, three way and five way valves			
With the differential pressure gauge	Center distance: 37 mm			
	Nominal pressure PN: 10MPa			
	Nominal width DN: 3.5mm			
	Allowable temperature: -20 + 250 ℃			
Liquid connection unit	Body, pressure gauge connection and process connection: stainless steel			
	Spool: stainless steel			
	Stem with two rotating tapered ports: stainless steel			
	Seal cover: PTFE			
Spool (replaceable)	By sealing the cone on both sides, a metal seal is used to completely separate the stem area from the process when the valve is fully opened, as it is not capped at this time			
	Seal cover so stem threads do not come into contact with process media.			
Hand wheel	Stainless steel, diameter 10 x 44 mm			
Pressure gauge	2 G ¼ B male threads			
connection	2 G ½ loose nuts			
Process connection	2 male fittings G ½ B, ½ NPT or M20 x 1.5			
Install	2 M8 blind holes			
Optimization option	Oxygen is treated with forbidden oil			
	Other process connections			
	Designed by Monel®			

Size mm

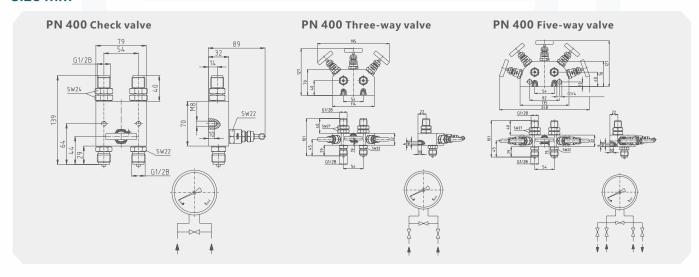




技术参数

PN 400- Stainless steel	One way, three way and five way valves		
With the differential pressure gauge	Center distance: 54 mm		
	Nominal pressure PN: 40MPa		
	Nominal width DN: 3.5mm		
	Allowable temperature: -20 + 250 ℃		
Liquid connection unit	Body, pressure gauge connection and process connection: stainless steel		
	Spool: stainless steel		
	Stem with two rotating tapered ports: stainless steel		
	Seal cover: PTFE		
Spool (replaceable)	By sealing the cone on both sides, a metal seal is used to completely separate the stem area from the process when the valve is fully opened, as it is not capped at this time		
	Seal cover so stem threads do not come into contact with process media.		
Hand wheel	Stainless steel, diameter 10 x 44 mm		
Pressure gauge connection	2 G 1/4 B male threads		
Process connection	2 male fittings G ½ B, ½ NPT or M20 x 1.5		
Install	2 M8 blind holes		
Optimization option	No oil treatment for oxygen (Max PN 100)		
	Other process connections		
	Designed by Monel®		

Size mm

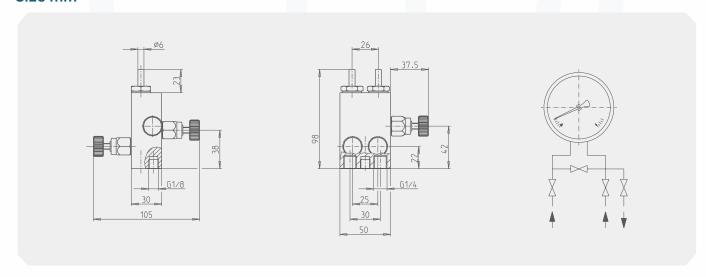




Technical parameter

PN 25- Stainless steel	Four-way valve			
With the differential pressure gauge	Center distance: 30 mm (process side)			
	Nominal pressure PN: 2.5MPa			
	Nominal width DN: 3.5mm			
	Allowable temperature: -10 + 150 ℃			
Pressure gauge connection	2 converters, diameter: 6 mm			
Process connection	2 G ¼ female threads			
Copper alloy				
Liquid connection unit	Body, gauge connection and process connection: copper alloy			
	Spool (replaceable): copper alloy			
	Stem with single rigid tapered port (without liquid stem thread) : copper alloy			
	Seal cover: PTFE, FPM/FKM			
Knurled screw	Copper alloy			
Stainless steel version				
Liquid connection unit	Body, pressure gauge connection and process connection: stainless steel			
	Spool (replaceable): stainless steel			
	Stem with single rigid tapered port (without liquid stem thread) : stainless steel			
	Seal cover: PTFE, FPM/FKM			
Knurled screw	Stainless steel Stainless steel			

Size mm





BX25-Selection composition Selection example BX25 H / U /

1.Meter con		Α	1 NPT					
specificatio	n	В	1/2NPT					
	С	1/4NI	1/4NPT					
	D	M14*1.5						
		E	M20*1.5					
	F	M27*2						
		G	G 1					
		Н	G1/2					
		I	G1/4					
		T()	Other connection specifications					
2.Fi	2.Field connection		N	1 NPT				
specification		n	0	1/2NPT				
		Р	1/4NPT					
		Q	M14*1.5					
		R	M20*1.5					
		S	M27*2					
		Т	G1					
		U	G1/2					
				G1/4				
			T()) Other connection specifications				
	3.Materi		al	Х	Carbon steel			
				V	304SS			
				Z	316L			
				T()	Other materials			

Instructions:

It indicates that the BX25 balance valve is G1/2 connected to the instrument and G1/2 connected to the field. The material is 304 stainless steel.

Product Certification

Compliance and approval; Rodeweig pressure meets key standards and certifications for process measurement technology; Thus guaranteeing the highest reliability in such Settings;



