

The selection is detailed on page 5



# BX25

## Pressure Balancing Valve

### 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.



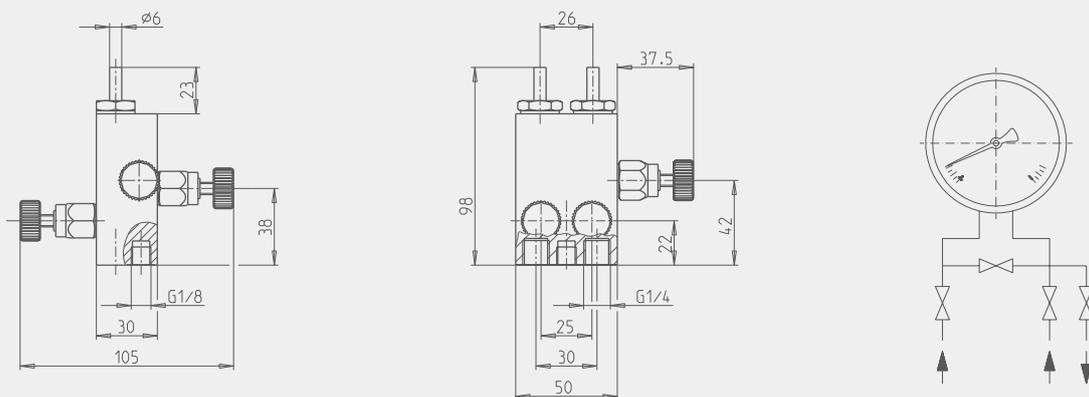




## Technical parameter

<b>PN 25- Stainless steel</b>	Four-way valve
<b>With the differential pressure gauge</b>	Center distance: 30 mm (process side)
	Nominal pressure PN: 2.5MPa
	Nominal width DN: 3.5mm
	Allowable temperature: -10... + 150 °C
<b>Pressure gauge connection</b>	2 converters, diameter: 6 mm
<b>Process connection</b>	2 G ¼ female threads
<b>Copper alloy</b>	
<b>Liquid connection unit</b>	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
<b>Knurled screw</b>	Copper alloy
<b>Stainless steel version</b>	
<b>Liquid connection unit</b>	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
<b>Knurled screw</b>	Stainless steel

## Size mm



## BX25-Selection composition

Selection example **BX25** **H** / **U** / **V**

1                    2                    3

1.Meter connection specification	<b>A</b>	1 NPT
	<b>B</b>	1/2NPT
	<b>C</b>	1/4NPT
	<b>D</b>	M14*1.5
	<b>E</b>	M20*1.5
	<b>F</b>	M27*2
	<b>G</b>	G 1
	<b>H</b>	G1/2
	<b>I</b>	G1/4
	<b>T ( )</b>	Other connection specifications
2.Field connection specification	<b>N</b>	1 NPT
	<b>O</b>	1/2NPT
	<b>P</b>	1/4NPT
	<b>Q</b>	M14*1.5
	<b>R</b>	M20*1.5
	<b>S</b>	M27*2
	<b>T</b>	G 1
	<b>U</b>	G1/2
	<b>V</b>	G1/4
	<b>T ( )</b>	Other connection specifications
3.Material	<b>X</b>	Carbon steel
	<b>V</b>	304SS
	<b>Z</b>	316L
	<b>T ( )</b>	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; Rodewieg pressure meets key standards and certifications for process measurement technology; Thus guaranteeing the highest reliability in such Settings;