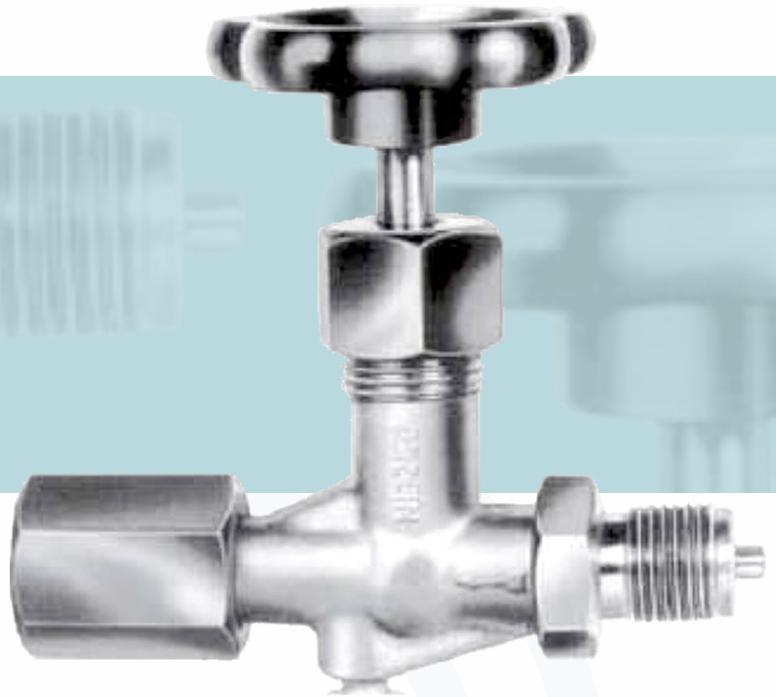


The selection is detailed on page 4



BX55

Instrument Cutoff Needle Valve

Product application

For shut-off and throttling of liquid, gas and steam pressure measuring instruments

Stainless steel models can be used in aggressive media and aggressive environments

Process industry: machinery manufacturing, general equipment construction

Chemical and petrochemical industries, power stations, mining, onshore and offshore applications, and environmental technologies

Product description

Type A has a (left-handed/right-handed) union, while Type B has a shaft, threaded nipple and union nut for mounting the bracket. The one with test joint is mainly used to connect the working pressure measuring instrument and the pressure gauge with test joint to the pressure pipeline at the same time.

For DIN 16271 standard, the test shaft is sealed with a lens seal ring and a nut placed at the top; For valves conforming to DIN 16272 standard, the test shaft is isolated by an extra valve stem, which does not contain silicon.

functional performance

Globe valve without test joint conforms to DIN 16270 standard (with bleed screw).

Globe valve with test joint conforms to DIN 16271 standard (with bleed screw).

Globe valves with independent isolation test joints meet DIN 16272 standard.

Nominal pressure: up to 40MPa



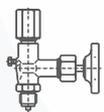
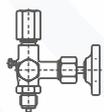
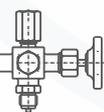
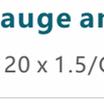
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For more product information, please visit www.ludwig-schneider.com.cn

Technical parameter

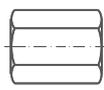
procedure linkage	G1/2 detection interface M20x 1.5	
valve body	Brass	PN 250, temperature range -10 ...+120°C
	Cast iron	PN 400, temperature range -10 ...+120°C
	Stainless steel	PN 400, temperature range -20 ...+200°C
Needle core and base	Corrosion-resistant and acid-resistant stainless steel	
gland packing	PTFE	
handwheel	Thermal insulation plastic	
Rated pressure	See table 1.	
Special materials suitable for oxygen use	Pressure PN 100 bar, temperature up to 60°C	
	Pressure PN 160 bar, temperature up to 60°C	
	Pressure PN 250 bar, temperature up to 60°C	
	Pressure PN 230 bar, temperature up to 200°C (graphite seal)	
Steel or stainless steel valve spindle	Special sealing material (pure graphite), the temperature can reach 250°C	
	The pressure can reach 400bar.	
Optimization options	Suitable for oxygen medium	
	Pressure connection port M20x 1.5, 1/2 NPT	
	With bellows sealing structure, the pressure can reach PN 100	
	Monel material	
	Materials meet NACE standards.	

Table 1

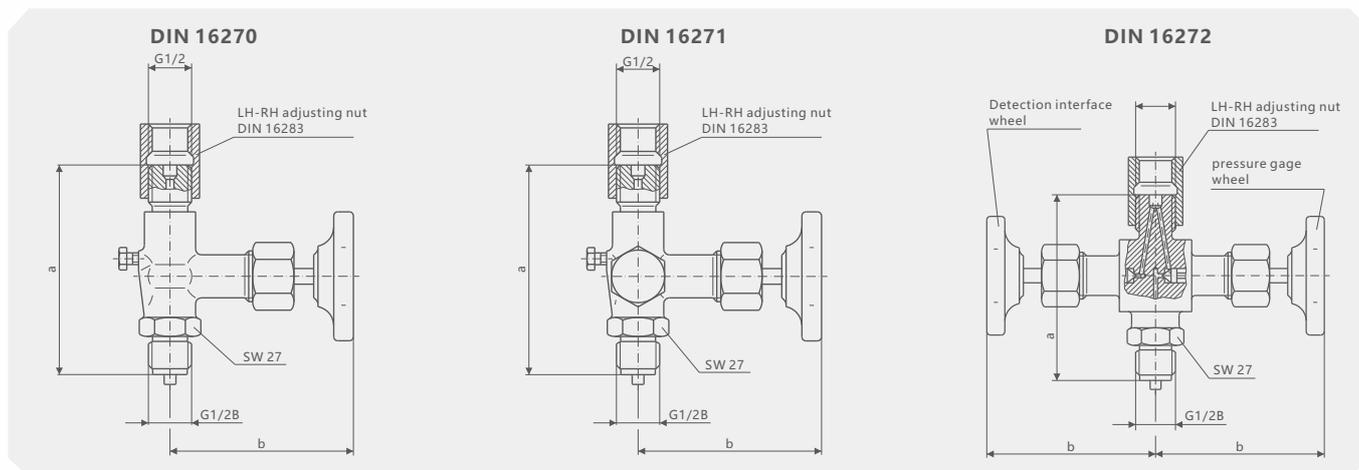
design		Connector	Rated pressure bar	Material
DIN 16270		G1/2	250	brass
		G1/2	400	steel
		G1/2	400	1.4571
DIN 16271		G1/2	25	brass
		G1/2	400	steel
Detection interface M20x1.5		G1/2	400	1.4571
DIN 16272		G1/2	25	brass
		G1/2	400	steel
Detection interface M20x1.5		G1/2	400	1.4571

Adapter for pressure gauge and detection port

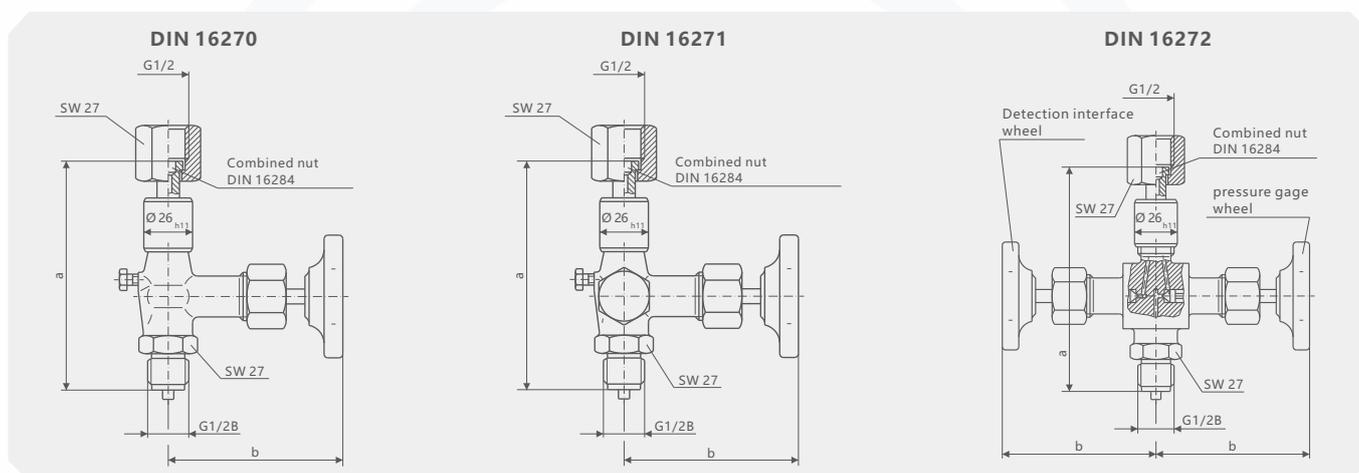
There is a suitable adapter (M 20 x 1.5/G1/2) between the detection port and the detection instrument.

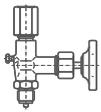
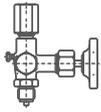
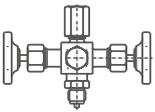
design		Material
connect/get in touch		Brass
Detection connection port G1/2 detection port M20x1.5		1.4571

Size mm- Form A, LH/RH adjusting nut/external thread



Form B, union nut/external thread (instrument support shaft)



Design		Size mm		Weight kg		
		a	b ± 5	Brass	Steel	1.4571
 DIN 16270	Form a	100 ± 1	85	0.54	0.52	0.52
	Form b	120 ± 5	85	0.61	0.56	0.56
 DIN 16271	Form a	100 ± 1	85	0.67	0.65	0.65
	Form b	120 ± 5	85	0.79	0.74	0.74
 DIN 16272	Form a	100 ± 1	85	0.95	0.95	0.95
	Form b	120 ± 5	85	1.00	1.00	1.00

BX55-Selection composition

Selection example **BX55** H / U / V

1 2 3

1.Meter connection specification	A	1 NPT
	B	1/2NPT
	C	1/4NPT
	D	M14*1.5
	E	M20*1.5
	F	M27*2
	G	G 1
	H	G1/2
	I	G1/4
	T ()	Other connection specifications
2.Field connection specification	N	1 NPT
	O	1/2NPT
	P	1/4NPT
	Q	M14*1.5
	R	M20*1.5
	S	M27*2
	T	G 1
	U	G1/2
	V	G1/4
	T ()	Other connection specifications
3.Material	X	Carbon steel
	V	304SS
	Z	316L
	T ()	Other materials

Instructions:

It means that the connection specification of BX55 needle valve with instrument is G1/2, and the connection specification with field is G1/2, and 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;