The selection is detailed on page 4

BX15

Condensing And Connecting Tubes

Product application

The condenser tube can protect the pressure measuring instrument from the influence of medium pressure pulse and overheating.

Cooling element for liquid, gas and steam in pressure measuring instrument

It can be directly installed on the pressure interface of pressure measuring instrument or above the stop valve (water stop plug or valve) below.

Functional performance

Design according to DIN 16282 standard or industrial standard.

The allowable temperature is as high as 400℃ and the nominal pressure is as high as 16MPa.

Material: 1.0039 and 1.0345 steel and 1.4571 stainless steel.

Option

Other connecting ion wires

Special pipe for high temperature and working pressure

Material: Monel

1.4571 stainless steel, no grease, no oxygen.

Pipe joint of pressure measuring instrument

Product description

BX15 condenser pipe conforms to DIN 16282 standard, and it has many shapes: U-shaped, B-shaped, trumpet-shaped and D-shaped, in which the connecting end with process pipeline has a welding interface connected to pressure-taking pipe, and the connecting end with instrument has a threaded interface.

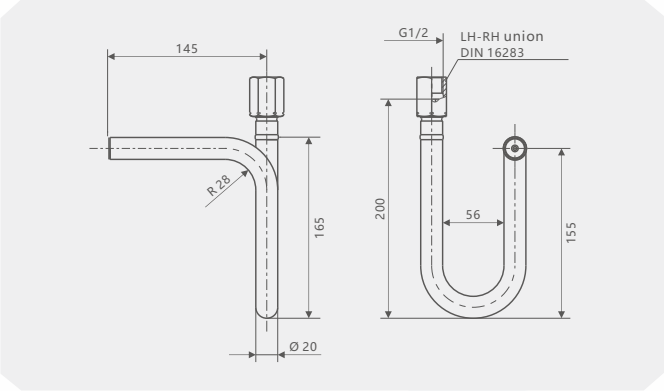
For models that meet the industrial standards, the connecting end with the process pipeline can also be equipped with a threaded interface connected to the pressure taking pipe.

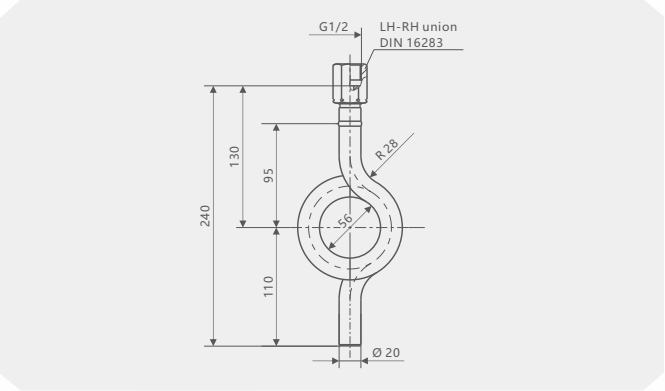
U-shaped condenser pipe is mainly used for horizontally installed pressure taking pipe; Horn condenser pipe is mainly used for vertically installed pressure taking pipe. The condenser tube will collect the condensate, thus preventing the heat medium from entering the measuring instrument. We suggest that cooling isolation liquid be injected into the condenser pipe before commissioning the pressure pipeline.

Operating limit

Material	Maximum allowable working temperature℃	Maximum working pressure bar
Steel 1.0039 1.0345	120	160
	300	120
	400	104
Stainless steel 1.4571	120	160
	300	140
	400	131

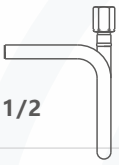
Size mm

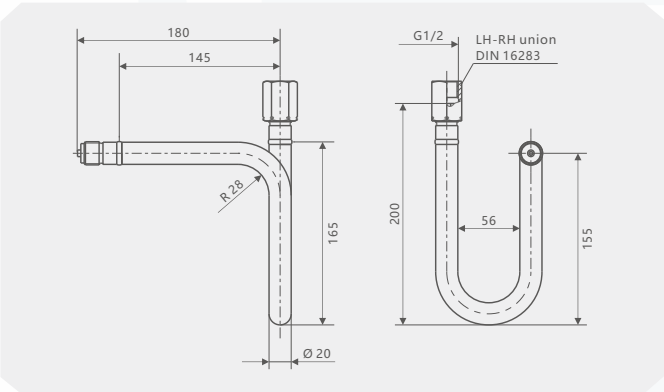


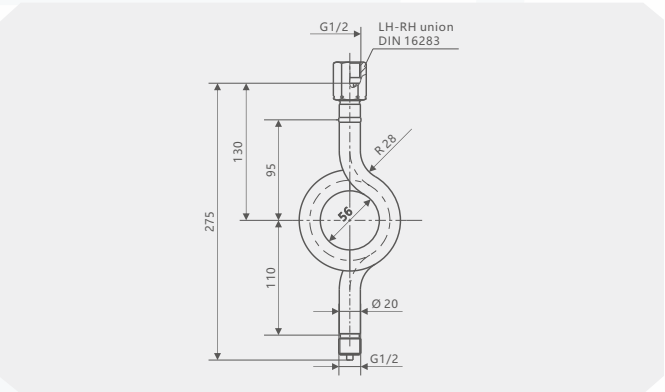


Version according to DIN 16282

There is a welded connection on the pressure output side.

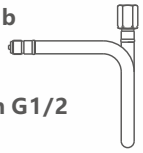
Design	Texture of wood
Type u, type b  **Exit [1]: LH/RH union G1/2**	1.0345
	1.0345 and 3.1
	1.4571
	1.4571 and3.1
Trumpet type 	1.0345
	1.0345 and 3.1
	1.4571
Outlet [1]: LH/RH union G1/2	1.4571 and 3.1





Industrial standard design (similar to DIN 16282)

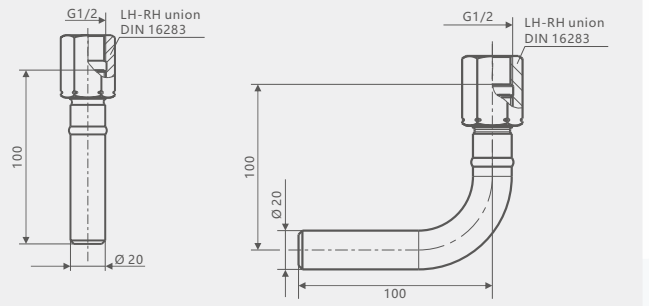
Use G1/2 B thread connection on the pressure tapping side

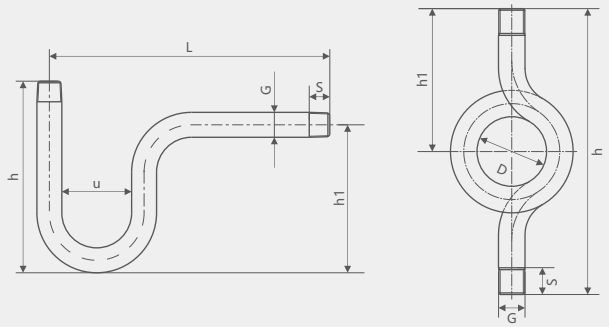
Design	Texture of wood
Type u, type b  **Exit [1]: LH/RH union G1/2**	1.0345
	1.0345 and 3.1
	1.4571
	1.4571 and 3.1
Trumpet type 	1.0345
	1.0345 and 3.1
	1.4571
Outlet [1]: LH/RH union G1/2	1.4571 and 3.1

1) Instrument connection end

Pipe joint of pressure measuring instrument

Welded connection on pressure tapping side (outlet: G1/2)

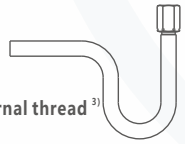




Design	Material
Straight, angular[5]	1.0345
	1.4571

Design	Material
U-shaped, horn shaped	1.0345
	1.4571

Industry standard design

Design	Threaded connection	Maximum working pressure	Material	Dimension					
				D	h	h1	L	u	s
U-shape  Inlet [1] and outlet [2]: external thread	G1/2B[4]	25 bar	1.0039	-	170	130	225	60	13
	G1/2B[4]	25 bar	1.0345	-	170	130	225	56	20
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
U type  Entrance [1]: G1/2B Outlet [2]: LH/RH union G1/2	G1/2B[4]	25 bar	1.0345	-	205	130	225	56	20
	G1/2B	-	1.0345	-	200	130	225	56	20
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
U type  Inlet [1]: Internal thread [3] Outlet [2]: LH/RH union G1/2	G1/2B	-	1.0345	-	200	130	-	56	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
Trumpet type  Inlet [1] and outlet [2]: external thread	G1/2B[4]	25 bar	1.0039	60	240	120	-	-	13
	G1/2B[4]	25 bar	1.0345	56	230	115	-	-	20
	-	-	-	-	-	-	-	-	-

1) Process connection end
2) Instrument connection section
3) Welding of threaded joint
4) Machining the thread to the pipeline.
5) Welded connection

BX15-Selection composition

Selection example **BX15 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 BX15 condenser tube 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; Rodeweig pressure meets key standards and certifications for process measurement technology; Thus guaranteeing the highest reliability in such Settings;