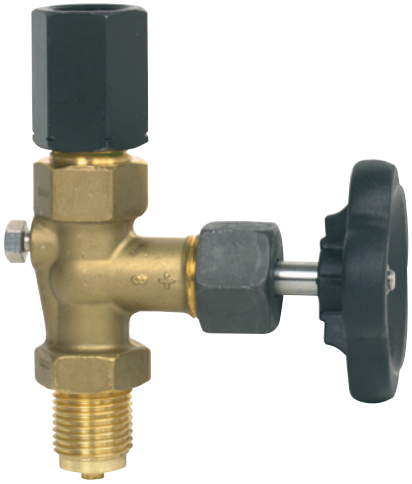
Pressure Gauge Valves
Model 910.11, Brass, Steel or Stainless Steel

Applications

- These needle valves are used to isolate the pressure gauge from the pressure medium or to throttle and to damp pressure pulses
- Stainless steel version for corrosive pressure media, and also aggressive environments
- For industrial process plant within: mechanical engineering and plant construction, chemical/petrochemical, power stations, mining, on- and offshore, environmental technology

Special Features

- Standard valves per DIN 16 270 (with vent plug)
- Valves with test connection per DIN 16 271 (with vent plug)
- Valves with separate isolating test connection per DIN 16 272
- Nominal pressures up to 400 bar



**Standard valve per DIN 16 270,
LH/RH adjusting nut/Male G ½, PN 250**

**Valve with isolating test connection per DIN 16 272,
LH/RH adjusting nut/Male G ½,
with test connection M 20 x 1.5, PN 400**

Description

Form A versions of the pressure gauge valves are supplied with LH/RH adjusting nut, and Form B versions with rotating union nut and shaft to support the instrument.

Valves fitted with a test connection enable simultaneous connection of a test gauge to check the pressure in the pipe.
The test connection is sealed by a screwcap and gasket (DIN 16 271) or by an additional isolating valve (DIN 16 272). Pressure gauge valves are silicone free.

Data Sheets showing similar devices:
Pressure gauge cocks for lower pressures; Model 910.10; see data sheet AC 09.01

Standard features

Pressure connection
G ½, test connection M 20 x 1.5

Body
Brass: PN 250, temperature range -10 to +120 °C
Carbon steel: PN 400, temperature range -10 to +120 °C
Stainless steel: PN 400, temperature range -20 to +200 °C

Needle and seating
Corrosion and acid resistant stainless steel

Gland packing
PTFE

Hand wheel
Heat resistant plastic

Nominal pressures
See table below

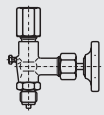
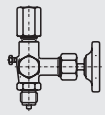
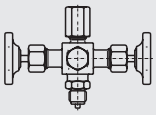
Options

- Degreased for oxygen use
- Acceptance test certificate DIN 50 049 / EN 10 204 3.1
- DVGW - Certificate, PN 100, DIN 16 270
- Pressure connection M 20 x 1.5, ½ NPT
- With bellows sealing up to PN 100
- Monel version
- Version according to NACE

Special versions for oxygen use

- With PN 100 bar up to max. 60 °C
- With PN 160 bar up to max. 60 °C
- With PN 250 bar up to max. 60 °C
- With PN 230 bar up to max. 200 °C (graphite packing)

With steel or stainless steel valve body
- With special packing (pure graphite) up to 250 °C
- Up to PN 640 bar

Design	Entry	PN in bar	Material	Order No. Form A	Order No. Form B
DIN 16 270 	G ½	250	brass	9090169	9095098
	G ½	400	steel	9090177	9095101
	G ½	400	1.4571	9090967	9095110
DIN 16 271  test connection M 20 x 1.5	G ½	250	brass	9090975	9095128
	G ½	400	steel	9090983	9095136
	G ½	400	1.4571	9091157	9095144
DIN 16 272  test connection M 20 x 1.5	G ½	250	brass	9090991	9095152
	G ½	400	steel	9091009	9095160
	G ½	400	1.4571	9091017	9095179

Gauge adapter to fit test connection

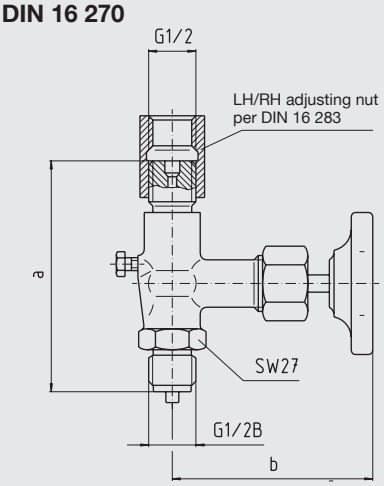
This adapter union allows connection of a test gauge with standard G ½ B (male) pressure connection to the M 20 x 1.5 connection

Design	Material	Order No.
Adapter  female G ½ / female M 20 x 1.5	brass	9091700
	steel	9091718
	1.4571	9091726

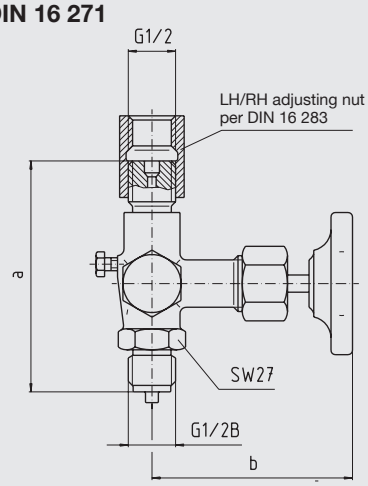
Dimensions in mm

Form A, LH/RH adjusting nut / Male

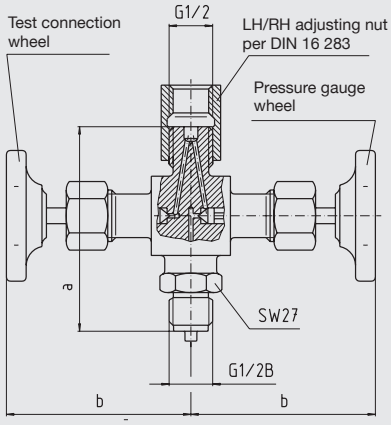
DIN 16 270



DIN 16 271

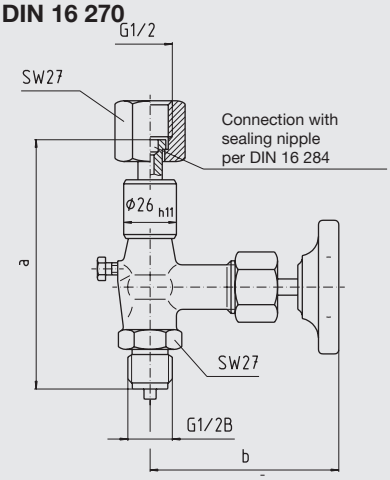


DIN 16 272

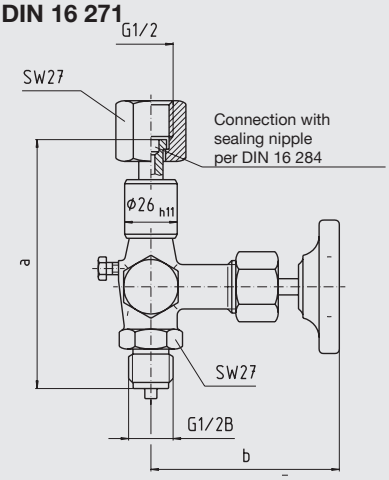


Form B, Rotating union nut and shaft for instrument support / Male

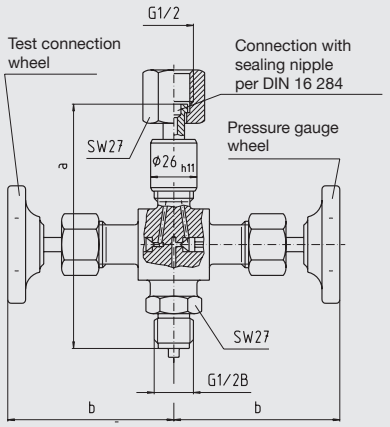
DIN 16 270



DIN 16 271



DIN 16 272



Design	Dimensions in mm		Weight in kg		
	a	b ± 5	brass	steel	1.4571
DIN 16 270					
Form A	100 ± 1	85	0.54	0.52	0.52
Form B	120 ± 5	85	0.61	0.56	0.56
DIN 16 271					
Form A	100 ± 1	85	0.67	0.65	0.65
Form B	120 ± 5	85	0.79	0.74	0.74
DIN 16 272					
Form A	100 ± 1	85	0.95	0.95	0.95
Form B	120 ± 5	85	1.00	1.00	1.00

Ordering information

To order the described products the 7-digit order number is sufficient. Optional extras required.

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