

Pressure Gauge Valves

Model 910.11, Brass, Steel or Stainless Steel

WIKA Data Sheet AC 09.02

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

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.



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

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



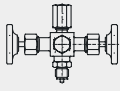
- Degreased for oxygen use
- Inspection certificate 3.1 B, EN 10 204 / DIN 55 350 - 18
- DVGW - Certificate, PN 100, DIN 16 270
- Pressure connection M 20 x 1.5, ½ NPT
- With bellows sealing up to PN 100
- Monel version
- Version according to NACE

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	Product no.	
				Form A	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

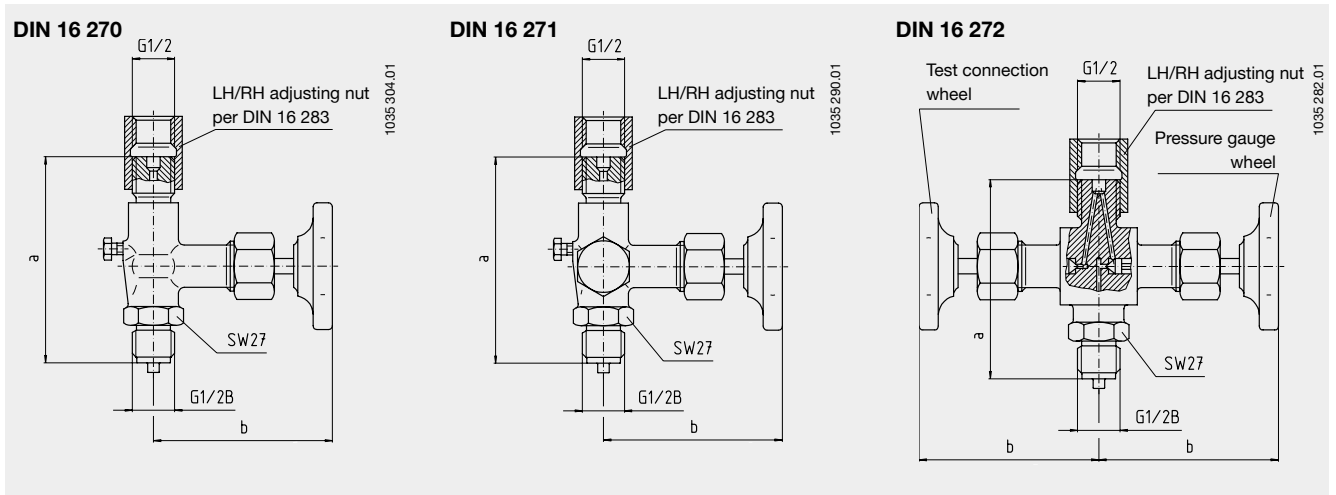
Gauge adapter to fit test connection

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

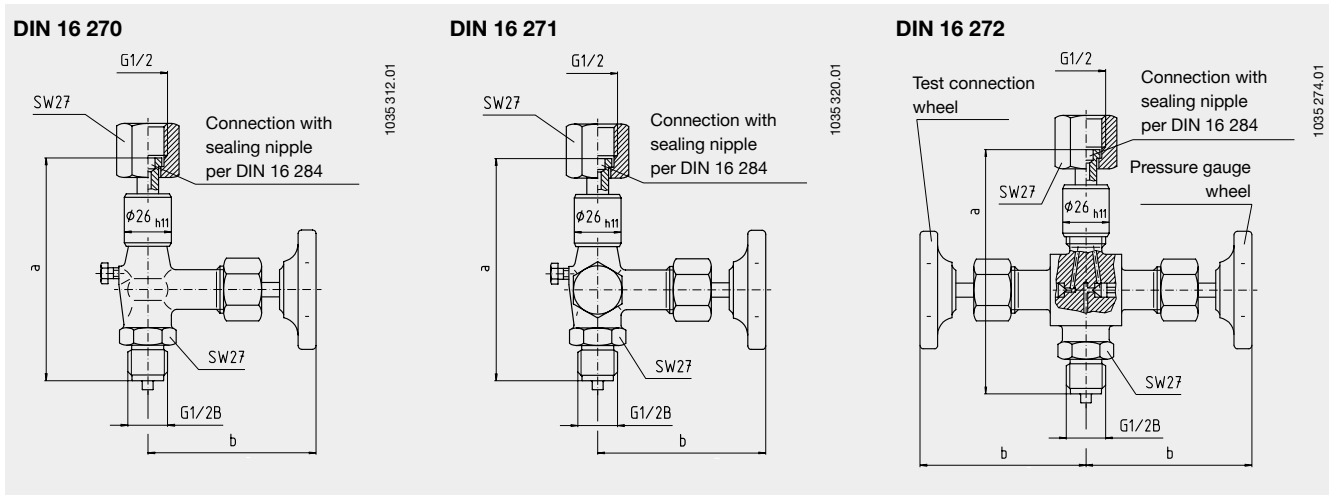
Design	Material	Product no.
Adapter  female G ½ / female M 20 x 1.5	brass	9091700
	steel	9091718
	1.4571	9091726




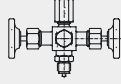

Dimensions in mm

Form A, LH/RH adjusting nut / Male



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



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

Ordering information

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

Modifications may take place and materials specified may be replaced by others without prior notice.
Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing.



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