

# Pressure equalising valve for differential pressure gauges Model 910.25

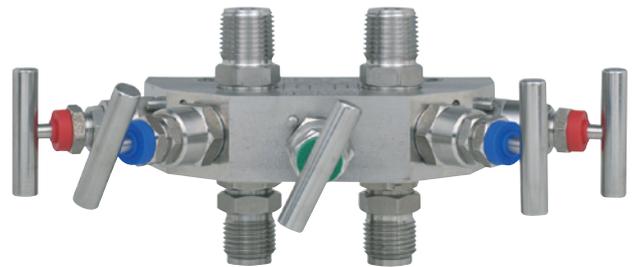
WIKA data sheet AC 09.11

## Applications

- Shut-off, pressure equalising, purge and vent valves for differential pressure gauges, for measurement of liquids, gases and vapours
- In stainless steel version for aggressive media, also in aggressive environments
- Process industry: Machine building, general plant construction, chemical/petrochemical, power plants, mining, on- and offshore and environmental technology

## Special features

- One-way, three-way, four-way and five-way valves
- Robust brass or stainless steel versions
- Valves for PN 100 and 400 with double-sided cone seals
- Wide variety of process connections
- Nominal pressures to 40, 100 or 400 bar



Five-way valve, PN 400

## Description

### One-way valves

With upstream pressure equalising valves it is possible to achieve uniform pressure loading from the  $\oplus$  and  $\ominus$  side, to avoid single-sided overpressure loading during both start-up and operation, and also to enable zero point checks during operation.

### Three-way valves

These pressure equalising valves, with interposing or integrated shut-off valves, enable the isolation of process lines without interruption to the operation, an instrument to be removed, tested, shut-down, protected against inadmissible pressure overload as well as the measurement of static pressure (after dismantling the differential pressure measuring instrument).

### Four and five-way valves

Furthermore, these pressure equalising valves, with integrated shut-off, purge and vent valves, enable the pressure gauge to be vented on one or both sides and the supply line to be purged.



## Standard design PN 400 - stainless steel (One-way, three-way and five-way valves)

For model 732.14 and 891.34.1884 differential pressure gauges

Centre distance: 54 mm  
 Nominal pressure PN: 400 bar  
 Nominal width DN: 3.5 mm  
 Permissible temperatures: -20 ... +250 °C

### Wetted parts

Body, connection to measuring instrument and process connection: stainless steel  
 Valve element: stainless steel  
 Spindle with rotating double cone: stainless steel  
 Gland packing: PTFE

### Valve element (replaceable)

Through a double-sided sealing cone, with the valve fully opened, the spindle area is isolated from the process by a metallic seal, the gland packing is not loaded and thus the spindle thread is not in contact with the process media.

### T-handle

Stainless steel, Ø 10 x 44 mm

### Connection to measuring instrument

2 x G ½ B male nut

### Process connection

2 x G ½ B or ½ NPT male threads

### Installation

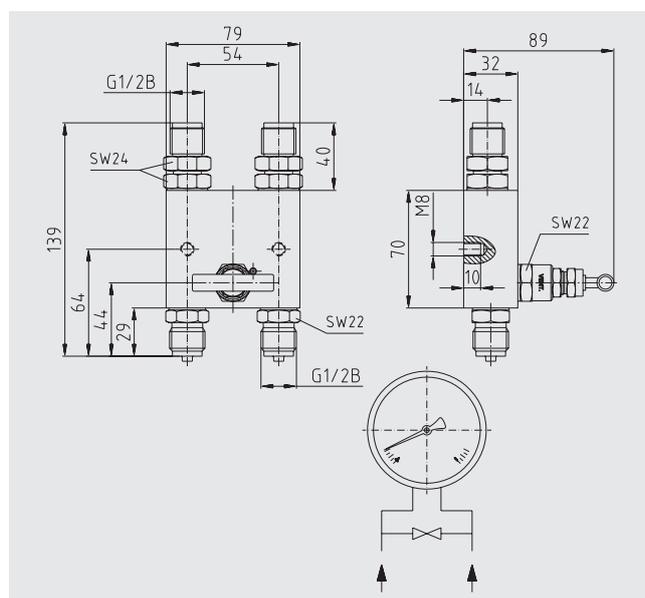
2 x M8 blind bore

## Options

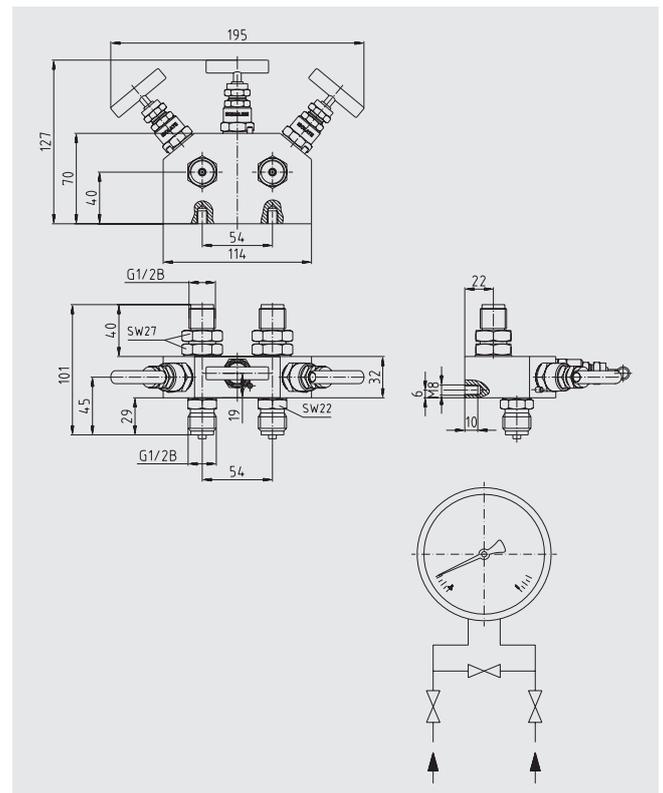
- Free from oil and grease for oxygen (max. PN 100)
- Other process connections
- Designs in Monel

## Dimensions in mm

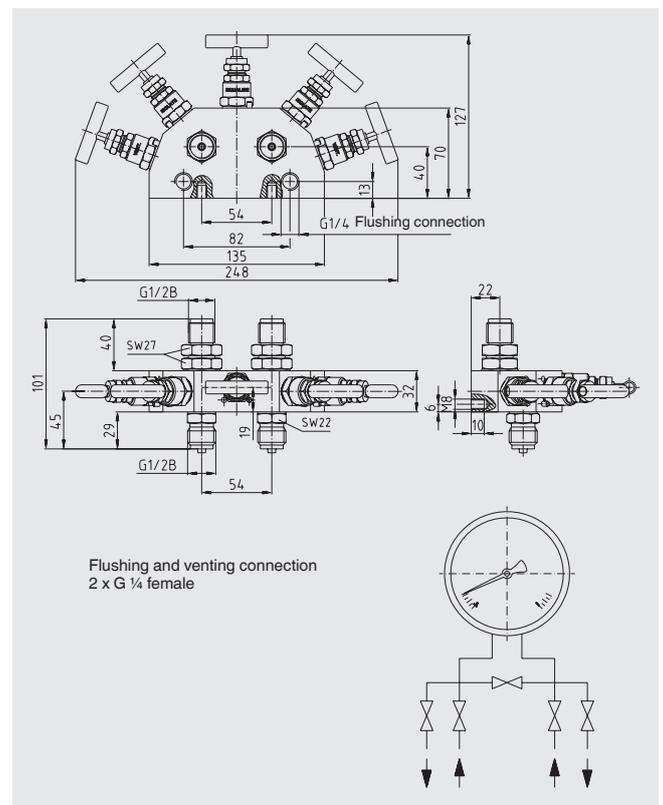
### One-way valve PN 400



### PN 400 three-way valve



### PN 400 five-way valve



### Order no. (valves for model 732.14 / 891.34.1884)

Process connection	One-way valve	Three-way valve	Five-way valve
G ½ B	2049965	2020427	2020486
½ NPT	2049974	2020444	2020494

## Standard version PN 40

(Four-way valve)

For models 702.01, 702.02, 851.02 and 891.34.2189 differential pressure gauges

Centre distance: 30 mm (process side)  
 Nominal pressure PN: 40 bar  
 Nominal width DN: 3.5 mm  
 Permissible temperatures: -10 ... +150 °C

### Connection to measuring instrument

2 x tube adapters, 6 mm diameter

### Process connection

2 x G 1/4 female

## Copper alloy design

### Wetted parts

Body, connection to measuring instrument and process connection:	Cu-alloy
Valve element (replaceable)	Cu-alloy
Spindle with rigid single cone (spindle threads not wetted):	Cu-alloy
Gland packing:	PTFE, FPM/FKM

### Knurled screw

Cu-alloy

## Stainless steel version

### Wetted parts

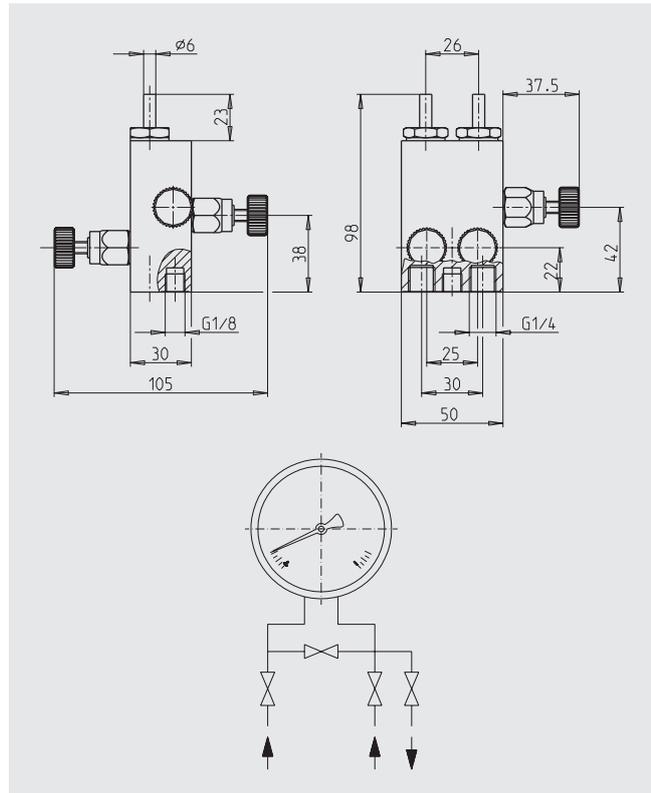
Body, connection to measuring instrument and process connection:	stainless steel
Valve element (replaceable)	stainless steel
Spindle with rigid single cone (spindle threads not wetted):	stainless steel
Gland packing:	PTFE, FPM/FKM

### Knurled screw

stainless steel

## Dimensions in mm

### Four-way valve PN 40



### Order No.

Material	Four-way valve
Cu-alloy	2043567
stainless steel	2043559

## Ordering information

To order, the 7-digit number is sufficient. Other options require additional specification.

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**WIKAL Alexander Wiegand SE & Co. KG**  
 Alexander-Wiegand-Straße 30  
 63911 Klingenberg/Germany  
 Tel. (+49) 9372/132-0  
 Fax (+49) 9372/132-406  
 E-mail info@wika.de  
 www.wika.de