

Diaphragm pressure gauge for the process industry

High overload safety up to 400 bar

Models 432.36, 433.36, 432.56 and 433.56

WIKA data sheet PM 04.07



For further approvals,
see page 7

Applications

- For measuring locations with increased overload
- For gaseous, liquid and aggressive media, also in aggressive environments
- With open connecting flange also suitable for contaminated and viscous media
- Process industry: Chemical industry, petrochemical industry, oil and gas, power generation, water and wastewater technology, machine building and general plant construction

Special features

- High overload safety, optionally 40, 100 or 400 bar due to the metallic pressure element limit stop, without liquid-filled measuring cell
- Wide choice of special materials
- Compatible with switch contacts
- Scale ranges from 0 ... 16 mbar
- QR code on dial links to instrument-specific information

Description

Diaphragm pressure gauges are preferably used for low pressure ranges. Through the large working surface of the circular, corrugated diaphragm element, small pressure ranges can be measured reliably.

Depending on the version, the models 432.56 and 432.36 are able, already from the smallest scale range of 0 ... 16 mbar, to withstand an overload of 40, 100 or 400 bar without any subsequent impairment of their measurement characteristics.

The diaphragm pressure gauge models 432.56 and 432.36 are manufactured in accordance with EN 837-3. The high-quality design is particularly suitable for applications in the chemical and petrochemical industry, oil and gas industry and power engineering.

The case and wetted parts from stainless steel fulfil high requirements for resistance against aggressive media.



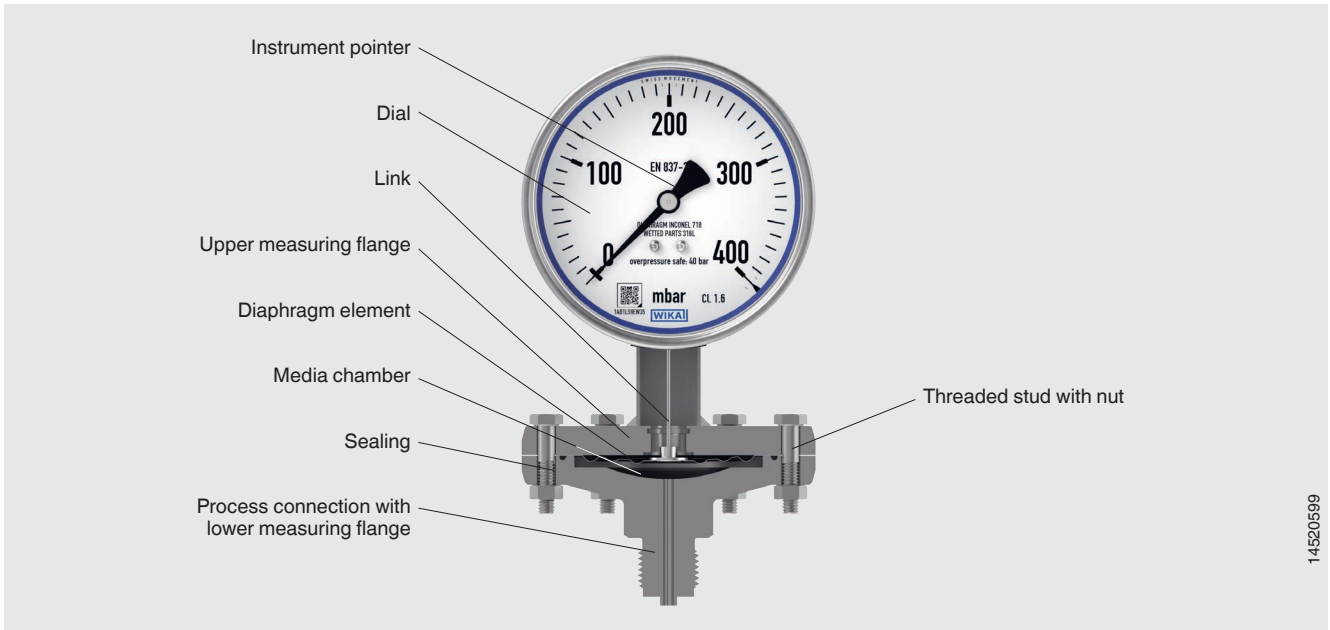
Diaphragm pressure gauge model 432.56

For especially high resistance requirements, the pressure chamber can be designed with a wide variety of special materials such as PTFE, tantalum or Hastelloy.

For the measurement of highly viscous, crystallising or contaminated media, the use of an open connecting flange is recommended. The open connecting flange has the advantage over a threaded connection that the pressure port cannot become blocked.

The QR code on the dial allows instrument-specific information such as the serial number, the order number, certificates and other product data to be retrieved from the internet easily and in the long term.

Functionality



Diaphragm elements are circular, corrugated diaphragms. They are clamped together at the edge between two flanges and are subjected to the pressure on one side by the pressure in the media chamber. The resulting deflection is transmitted to the movement via the link and displayed on the dial with the instrument pointer.

Overload safety

Diaphragm elements have a relatively large actuating force and, due to the annular clamping of the element, they are less sensitive to vibration in comparison with Bourdon tubes. Diaphragm elements can optionally be subject to an overload of up to 40, 100 or 400 bar, through load take-up points (by bringing the diaphragm element up against the upper measuring flange). With a scale range of 0 ... 16 mbar, a short-term overpressure of up to 100 bar is not problematic; the accuracy is not affected.

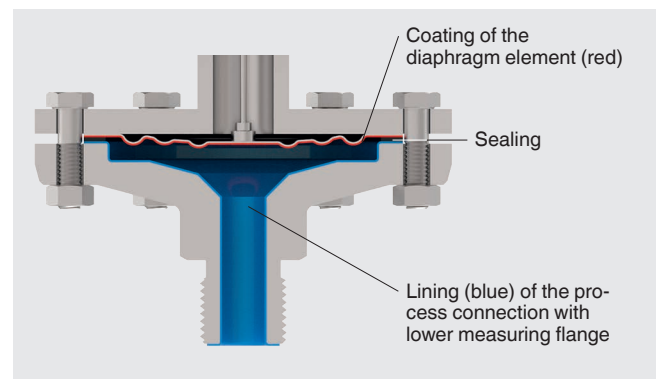
Versions for special media

Larger pressure ports, open connecting flanges and purging options can be integrated for measuring highly viscous, contaminated or crystallising media.

Coating/Lining of wetted parts

By selecting a coating/lining for the wetted parts, the instrument can also be used for extremely corrosive media. The materials suitable for this can either be selected for the diaphragm element only, or together with the process connection with lower measuring connection in a freely combinable manner. The selection of the material combination determines whether it is self-sealing or implemented with a sealing.

→ Available materials (wetted) see page 3



Specifications

Basic information	
Standard	
Diaphragm and capsule pressure gauges	EN 837-3
→ For information on the "Selection, installation, handling and operation of pressure gauges", see Technical information IN 00.05.	
Nominal size (NS)	<ul style="list-style-type: none"> ■ Ø 100 mm [4"] ■ Ø 160 mm [6"]
Window	<ul style="list-style-type: none"> ■ Laminated safety glass ■ Polycarbonate
Case	
Design, model 432.56 and 433.56	Safety level "S1" per EN 837-1: With blow-out device
Design, model 432.36 and 433.36	Safety level "S3" per EN 837-1: With solid baffle wall and blow-out back
Material	<ul style="list-style-type: none"> ■ Stainless steel 1.4301 (304) ■ Stainless steel 1.4571 (316 Ti)
Case filling	<ul style="list-style-type: none"> ■ Without ■ Glycerine-water mixture ¹⁾ ■ Silicone oil M50 ¹⁾ Instruments with case filling with compensating valve to vent case.
Movement	Stainless steel

1) Ingress protection IP65 for instruments with case filling

Measuring element		
Type of measuring element	Diaphragm element	
Materials (wetted)		
Diaphragm element ¹⁾	Span ≤ 0.25 bar [3.6 psi]	Stainless steel 316L
	Span ≥ 0.4 bar [5.8 psi]	NiCr alloy (Inconel)
Process connection with lower measuring flange	Stainless steel 316L	
Coating/Lining ^{2) 3)}	<ul style="list-style-type: none"> ■ Without ■ PTFE ■ Hastelloy ■ Monel ■ Tantalum ■ Gold (only for diaphragm element) 	
	Other materials on request	
Sealing ⁴⁾	FPM/FKM, PTFE	

1) The version for customer-specific spans which are between 0.25 bar [3.6 psi] and 0.4 bar [5.8 psi] is defined after an application-specific test.

2) Diaphragm elements and process connections with lower measuring flanges can be coated / lined with various materials.

→ See page 2

3) Accuracy class 2.5 with selection of a coating/lining.

4) The selection of the material combination determines whether it is self-sealing or implemented with a sealing.

Accuracy specifications	
Accuracy class	<ul style="list-style-type: none"> ■ 1.6 ¹⁾ ■ 2.5 ²⁾
Temperature error	On deviation from the reference conditions at the measuring system: ≤ ±0.8 % per 10 °C [≤ ±0.8 % per 18 °F] of full scale value
Reference conditions	
Ambient temperature	+20 °C [68 °F]

1) After feasibility test, if necessary, accuracy class 1.0 is possible.

2) Accuracy class 2.5 with selection of a coating/lining.

Scale ranges

Scale range	
mbar	
0 ... 16	
0 ... 25	
0 ... 40	
0 ... 60	
0 ... 100	
0 ... 160	
0 ... 250	
0 ... 400	
0 ... 600	
0 ... 1,000	
bar	
0 ... 0.6	
0 ... 1	
0 ... 1.6	
0 ... 2.5	
0 ... 4	
0 ... 6	
0 ... 10	
0 ... 16	
0 ... 25	
0 ... 40	

Vacuum scale ranges

Scale range	
mbar	
-16 ... 0	-250 ... 0
-40 ... 0	-400 ... 0
-60 ... 0	-600 ... 0
-100 ... 0	-1,000 ... 0
-160 ... 0	-
bar	psi
-0.6 ... 0	-15 inHg ... 0
-1 ... 0	-30 inHg ... 0

Scale range
psi
0 ... 10
0 ... 15
0 ... 30
0 ... 60
0 ... 100
0 ... 150
0 ... 160
0 ... 200
0 ... 250
0 ... 300
0 ... 400

Compound scale ranges

Scale range	
mbar	bar
-5 ... +20	-1 ... +0.6
-6 ... +10	-1 ... +1
-10 ... +15	-1 ... +1.5
-15 ... +25	-1 ... +2
-20 ... +40	-1 ... +3
-30 ... +30	-1 ... +5
-40 ... +60	-1 ... +9
-50 ... +200	-1 ... +10
-60 ... +100	-1 ... +15
-100 ... +150	-1 ... +24
-125 ... +125	psi
-150 ... +250	-30 inHg ... +15
-250 ... +750	-30 inHg ... +60
-400 ... +600	-30 inHg ... +100
-500 ... +500	-30 inHg ... +160
-600 ... +400	-30 inHg ... +200
-750 ... +250	-30 inHg ... +300
-800 ... +200	-

→ Other scale ranges on request

Further details on: scale ranges					
Unit	<ul style="list-style-type: none"> ■ bar ■ psi ■ mbar ■ kg/cm² ■ MPa ■ kPa <p>→ Other units on request</p>				
Overload safety ¹⁾	<ul style="list-style-type: none"> ■ 40 bar ■ 100 bar ■ 400 bar, only for models 432.36 and 433.36 with scale range $\geq 0 \dots 400$ mbar ²⁾ 				
Vacuum resistance	<ul style="list-style-type: none"> ■ Without ■ Vacuum-resistant to -1 bar 				
Dial					
Scale layout	<ul style="list-style-type: none"> ■ Single scale ■ Dual scale 				
Scale colour	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Single scale</td> <td>Black</td> </tr> <tr> <td>Dual scale</td> <td>Black/red</td> </tr> </table>	Single scale	Black	Dual scale	Black/red
Single scale	Black				
Dual scale	Black/red				
Material	Aluminium				
Customer-specific version	Other scales, e.g. with red mark, circular arcs or circular sectors, on request → Alternatively, adhesive label set for red and green circular arcs; see data sheet AC 08.03				
Instrument pointer	Aluminium, black				

1) Depending on scale range and overload safety, different flange Ø apply. → See dimensions from page 8.

2) Overload safety 400 bar for scale ranges < 400 mbar on request

Process connection		
Standard	<ul style="list-style-type: none"> ■ EN 837 ■ ANSI / ASME B1.20.1 ■ ASME B16.5 ■ EN 1092-1, form B 	
Size ¹⁾		
EN 837	<ul style="list-style-type: none"> ■ G ½ B ■ M20 x 1.5 	
ANSI / ASME B1.20.1	<ul style="list-style-type: none"> ■ ½ NPT 	
ASME B16.5	<ul style="list-style-type: none"> ■ Open connecting flange 1" class 150, RF ■ Open connecting flange 2" class 150, RF ■ Open connecting flange 1" class 300, RF 	
EN 1092-1, form B	<ul style="list-style-type: none"> ■ Open connecting flange DN 25 PN 40 ■ Open connecting flange DN 50 PN 40 	
Materials (wetted)		
Diaphragm element ²⁾	Span ≤ 0.25 bar [3.6 psi]	Stainless steel 316L
	Span ≥ 0.4 bar [5.8 psi]	NiCr alloy (Inconel)
Process connection with lower measuring flange	Stainless steel 316L	
Coating/Lining ^{3) 4)}	<ul style="list-style-type: none"> ■ Without ■ PTFE ■ Hastelloy ■ Monel ■ Tantalum ■ Gold (only for diaphragm element) 	
	→ Other materials on request	
Sealing ⁵⁾	FPM/FKM	

1) Further threaded connections (→ See technical information IN 00.03) and open connecting flanges per ASME B16.5 / EN 1092-1 form B from DN 15 to DN 80 (→ See technical information IN 00.10)

2) The version for customer-specific spans which are between 0.25 bar [3.6 psi] and 0.4 bar [5.8 psi] is defined after an application-specific test.

3) Diaphragm elements and process connections with lower measuring flanges can be coated/lined with various materials.
→ See page „Functionality“ auf Seite 2

4) Accuracy class 2.5 with selection of a coating/lining.

5) The selection of the material combination determines whether it is self-sealing or implemented with a sealing.

→ Other process connections on request

Operating conditions	
Medium temperature range	<ul style="list-style-type: none"> ■ +100 °C [+212 °F] maximum ■ +200 °C [+392 °F] maximum
Ambient temperature range	<ul style="list-style-type: none"> ■ -20 ... +60 °C [-4 ... +140 °F] ■ -40 ... +60 °C [-40 ... +140 °F] ¹⁾
Storage temperature range	-40 ... +70 °C [-4 ... 140 °F]
Pressure limitation	
Steady	Full scale value
Fluctuating	0.9 x full scale value
Ingress protection per IEC/EN 60529	<ul style="list-style-type: none"> ■ IP54 ■ IP65 ²⁾ ■ IP66 ³⁾ (ingress protection of the case)

1) Only selectable in combination with silicone oil case filling

2) Ingress protection IP65 for instruments with case filling

3) Hermetically sealed case; see data sheet IN 00.18






Other versions

- Version for hazardous areas (Ex h)
- Diaphragm pressure gauge with switch contacts, models 43x.36+8xx, 43x.56+8xx; see data sheet PV 24.07
- Diaphragm pressure gauge with output signal, models PGT43HP.100, PGT43HP.160; see data sheet PV 14.07
- Oil- and grease-free
- Oil- and grease-free for oxygen
- Silicone-free
- Per NACE ¹⁾ MR0175 / ISO 15156, use in H₂S-containing environments in oil and gas production
- Per NACE ¹⁾ MR0103 / ISO 17945, metals resistant to sulphide stress cracking
- With pre-volume deflagration flame arrester ²⁾ for connection to zone 0 (EPL Ga); model 910.21; see data sheet AC 91.02
- With flushing bore on the open connecting flange

1) General information about NACE standards, see data sheet IN 00.21

2) Only for instruments with Ex approval

Optional approvals

Logo	Description	Region
	EU declaration of conformity ATEX directive ¹⁾ Hazardous areas Gas II 2G h IIC T6 ... T1 Gb X Dust II 2D h IIIC T85°C ... T450°C Db X	European Union
	EAC Hazardous areas ¹⁾	Eurasian Economic Community
	Ex Ukraine Hazardous areas ¹⁾	Ukraine
	PAC Kazakhstan Metrology, measurement technology	Kazakhstan
-	MChS Permission for commissioning	Kazakhstan
-	PAC Ukraine Metrology, measurement technology	Ukraine
	PAC Uzbekistan Metrology, measurement technology	Uzbekistan
-	PAC China Metrology, measurement technology	China
-	CRN Safety (e.g. electr. safety, overpressure, ...)	Canada

¹⁾ In the area of the coating/lining from PTFE, measures must be taken, if necessary, in order to exclude electrostatic charging.

Certificates (option)

Certificates	
Certificates	<ul style="list-style-type: none"> ■ 2.2 test report per EN 10204 (e.g. state-of-the-art manufacturing, indication accuracy) ■ 3.1 inspection certificate per EN 10204 (e.g. material proof for wetted metal parts, indication accuracy)
Recommended calibration interval	1 year (dependent on conditions of use)

Patents, property rights

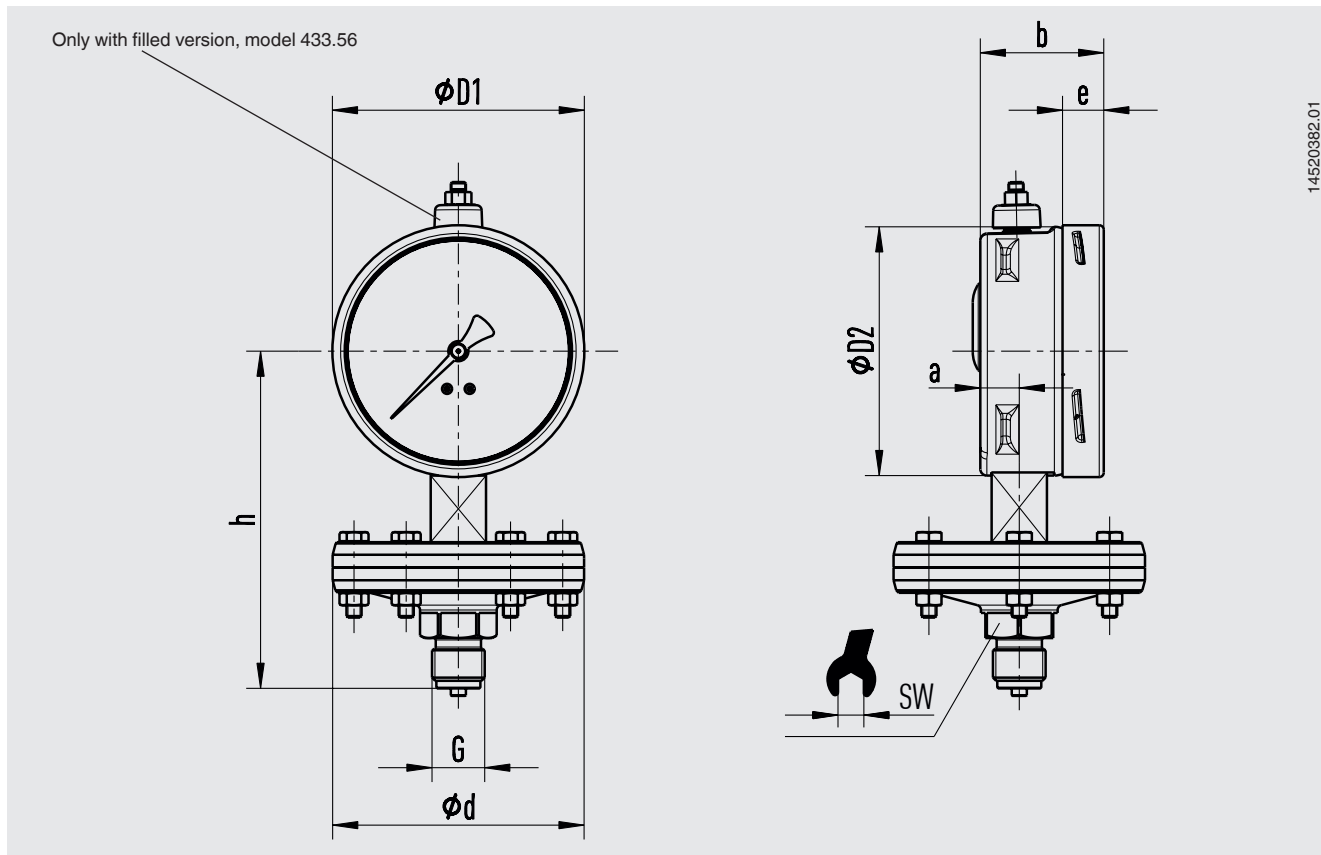
Patent number	Description
US Design D1051747S, CPC CN 01677074, DE Design 402022100171, EU Design 402022100171, IR Design DM/222416, EU 3D trademark 018659564	Design patent WIKA blue identity

The WIKA blue identity design is protected in various countries under various rights.

→ For approvals and certificates, see website

Dimensions in mm [in]

Models 432.56 and 433.56, nominal size 100 [4"]



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Overload safety 40 bar

Process connection G	Scale range ¹⁾	Dimensions in mm [in]								Weight in kg [lb]
		d	a	b	e	D1	D2	$h \pm 2$ [0.08]	SW	
G ½ B	≤ 0.25 bar [3.6 psi]	160 [6.3]	15.5 [0.61]	49.5 [1.95]	17.5 [0.69]	101 [3.98]	99 [3.90]	135 [5.31]	27 [1.06]	3.4 [7.5]
	≥ 0.4 bar [5.8 psi]	100 [3.94]	15.5 [0.61]	49.5 [1.95]	17.5 [0.69]	101 [3.98]	99 [3.90]	135 [5.31]	27 [1.06]	1.7 [3.7]
½ NPT	≤ 0.25 bar [3.6 psi]	160 [6.3]	15.5 [0.61]	49.5 [1.95]	17.5 [0.69]	101 [3.98]	99 [3.90]	133 [5.24]	27 [1.06]	3.4 [7.5]
	≥ 0.4 bar [5.8 psi]	100 [3.94]	15.5 [0.61]	49.5 [1.95]	17.5 [0.69]	101 [3.98]	99 [3.90]	133 [5.24]	27 [1.06]	1.7 [3.7]

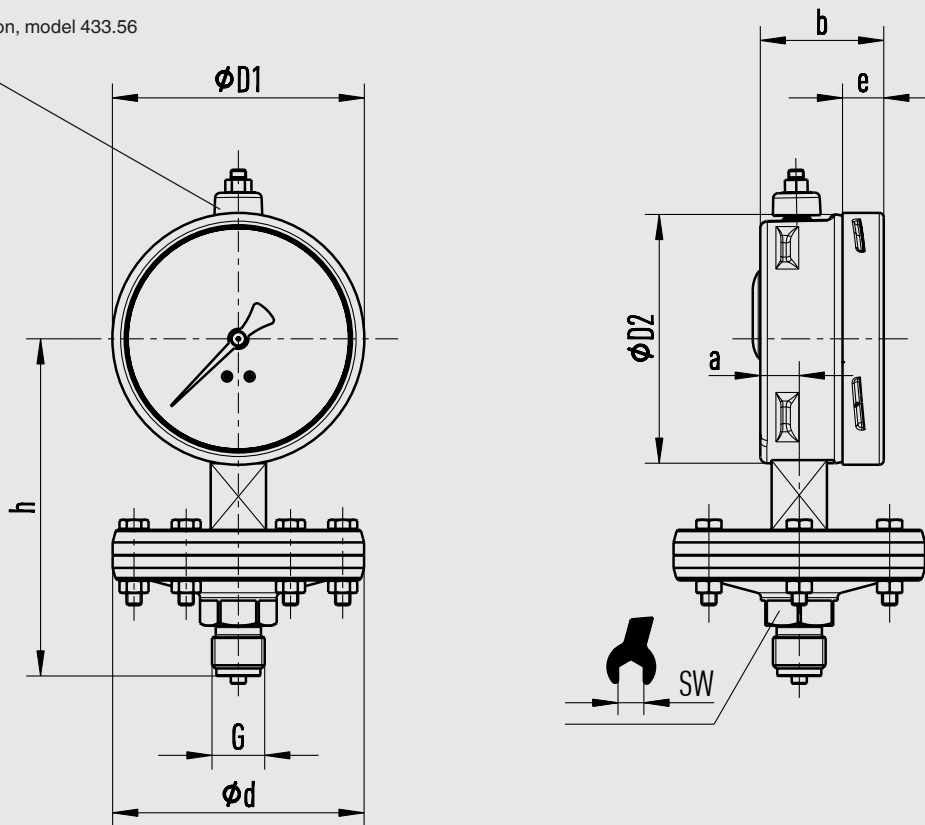
Overload safety 100 bar

Process connection G	Scale range ¹⁾	Dimensions in mm [in]								Weight in kg [lb]
		d	a	b	e	D1	D2	$h \pm 2$ [0.08]	SW	
G ½ B	≤ 0.25 bar [3.6 psi]	160 [6.3]	15.5 [0.61]	49.5 [1.95]	17.5 [0.69]	101 [3.98]	99 [3.90]	143 [5.63]	22 [0.87]	6.3 [13.9]
	≥ 0.4 bar [5.8 psi]	100 [3.94]	15.5 [0.61]	49.5 [1.95]	17.5 [0.69]	101 [3.98]	99 [3.90]	135 [5.31]	22 [0.87]	1.8 [4]
½ NPT	≤ 0.25 bar [3.6 psi]	160 [6.3]	15.5 [0.61]	49.5 [1.95]	17.5 [0.69]	101 [3.98]	99 [3.90]	143 [5.63]	22 [0.87]	6.3 [13.9]
	≥ 0.4 bar [5.8 psi]	100 [3.94]	15.5 [0.61]	49.5 [1.95]	17.5 [0.69]	101 [3.98]	99 [3.90]	133 [5.24]	22 [0.87]	1.8 [4]

1) The dimensions of customer-specific scale ranges which are between 0.16 bar [2.3 psi] and 0.25 bar [3.6 psi] are defined after an application-specific test.

Models 432.56 and 433.56, nominal size 160 [6"]

Only with filled version, model 433.56



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Overload safety 40 bar

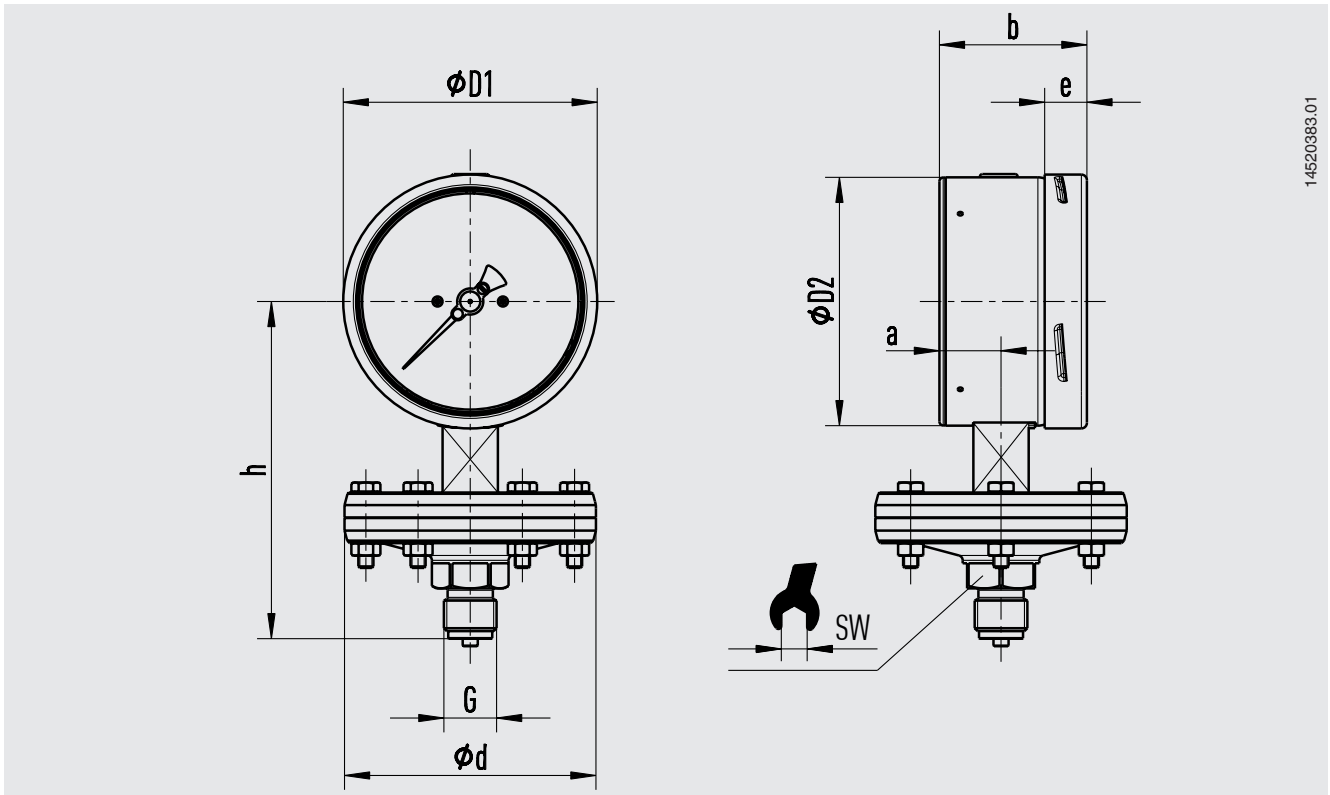
Process connection G	Scale range ¹⁾	Dimensions in mm [in]								Weight in kg [lb]
		d	a	b	e	D1	D2	h ± 2 [0.08]	SW	
G ½ B	≤ 0.25 bar [3.6 psi]	160 [6.3]	15.5 [0.61]	49.5 [1.95]	17.5 [0.69]	161 [6.34]	159 [6.26]	165 [6.5]	27 [1.06]	4 [8.8]
	≥ 0.4 bar [5.8 psi]	100 [3.94]	15.5 [0.61]	49.5 [1.95]	17.5 [0.69]	161 [6.34]	159 [6.26]	165 [6.5]	27 [1.06]	2.2 [4.9]
½ NPT	≤ 0.25 bar [3.6 psi]	160 [6.3]	15.5 [0.61]	49.5 [1.95]	17.5 [0.69]	161 [6.34]	159 [6.26]	163 [6.42]	27 [1.06]	4 [8.8]
	≥ 0.4 bar [5.8 psi]	100 [3.94]	15.5 [0.61]	49.5 [1.95]	17.5 [0.69]	161 [6.34]	159 [6.26]	163 [6.42]	27 [1.06]	2.2 [4.9]

Overload safety 100 bar

Process connection G	Scale range ¹⁾	Dimensions in mm [in]								Weight in kg [lb]
		d	a	b	e	D1	D2	h ± 2 [0.08]	SW	
G ½ B	≤ 0.25 bar [3.6 psi]	160 [6.3]	15.5 [0.61]	49.5 [1.95]	17.5 [0.69]	161 [6.34]	159 [6.26]	165 [6.5]	27 [1.06]	6.9 [15.2]
	≥ 0.4 bar [5.8 psi]	100 [3.94]	15.5 [0.61]	49.5 [1.95]	17.5 [0.69]	161 [6.34]	159 [6.26]	173 [6.81]	27 [1.06]	2.3 [5.1]
½ NPT	≤ 0.25 bar [3.6 psi]	160 [6.3]	15.5 [0.61]	49.5 [1.95]	17.5 [0.69]	161 [6.34]	159 [6.26]	163 [6.42]	27 [1.06]	6.9 [15.2]
	≥ 0.4 bar [5.8 psi]	100 [3.94]	15.5 [0.61]	49.5 [1.95]	17.5 [0.69]	161 [6.34]	159 [6.26]	171 [6.73]	27 [1.06]	2.3 [5.1]

1) The dimensions of customer-specific scale ranges which are between 0.16 bar [2.3 psi] and 0.25 bar [3.6 psi] are defined after an application-specific test.

Models 432.36 and 433.36, nominal size 100 [4"]



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Overload safety 40 bar

Process connection G	Scale range ¹⁾	Dimensions in mm [in]								Weight in kg [lb]
		d	a	b	e	D1	D2	$h \pm 2$ [0.08]	SW	
G ½ B	≤ 0.25 bar [3.6 psi]	160 [6.3]	24.5 [0.96]	59 [2.32]	17.5 [0.69]	101 [3.98]	99 [3.90]	135 [5.31]	27 [1.06]	3.4 [7.5]
	≥ 0.4 bar [5.8 psi]	100 [3.94]	24.5 [0.96]	59 [2.32]	17.5 [0.69]	101 [3.98]	99 [3.90]	135 [5.31]	27 [1.06]	1.7 [3.7]
½ NPT	≤ 0.25 bar [3.6 psi]	160 [6.3]	24.5 [0.96]	59 [2.32]	17.5 [0.69]	101 [3.98]	99 [3.90]	133 [5.24]	27 [1.06]	3.4 [7.5]
	≥ 0.4 bar [5.8 psi]	100 [3.94]	24.5 [0.96]	59 [2.32]	17.5 [0.69]	101 [3.98]	99 [3.90]	133 [5.24]	27 [1.06]	1.7 [3.7]

Overload safety 100 bar

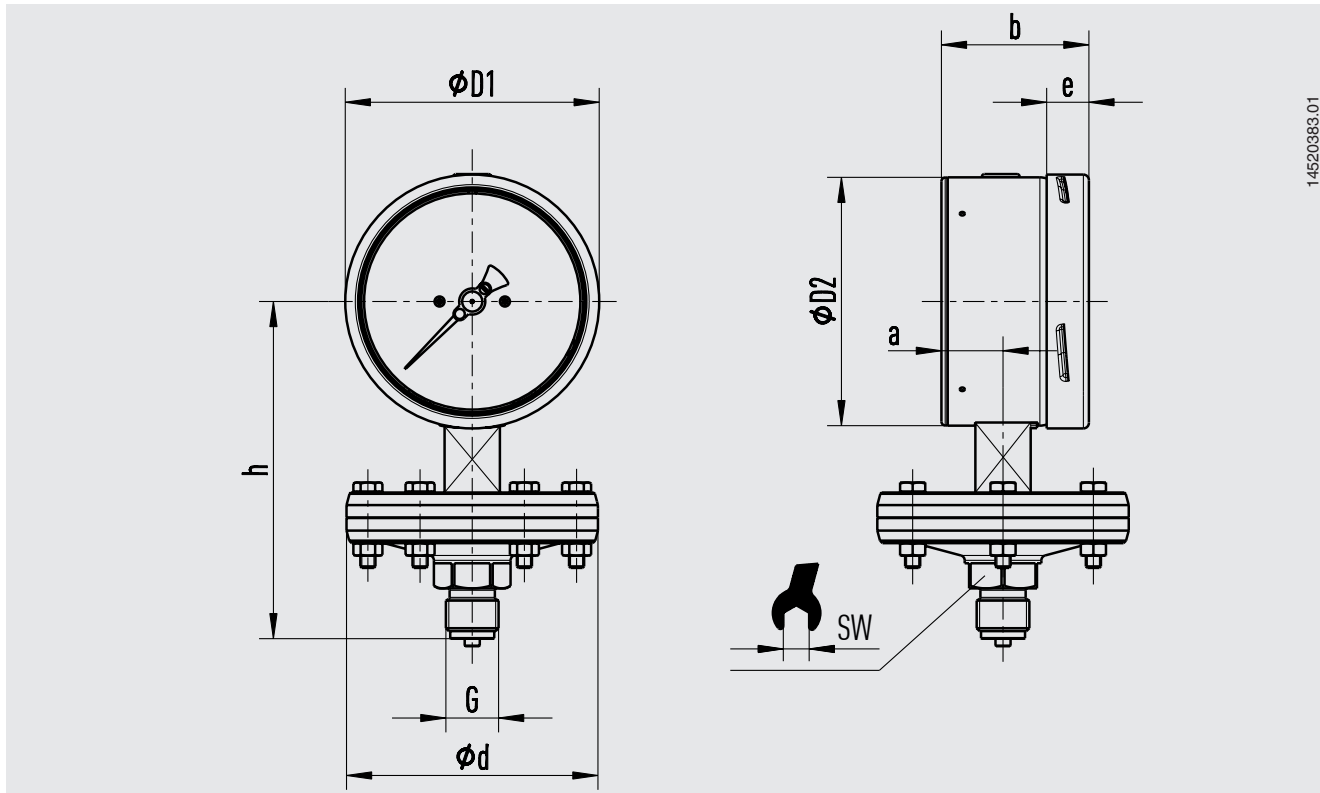
Process connection G	Scale range ¹⁾	Dimensions in mm [in]								Weight in kg [lb]
		d	a	b	e	D1	D2	$h \pm 2$ [0.08]	SW	
G ½ B	≤ 0.25 bar [3.6 psi]	160 [6.3]	24.5 [0.96]	59 [2.32]	17.5 [0.69]	101 [3.98]	99 [3.90]	143 [5.63]	22 [0.87]	6.3 [13.9]
	≥ 0.4 bar [5.8 psi]	100 [3.94]	24.5 [0.96]	59 [2.32]	17.5 [0.69]	101 [3.98]	99 [3.90]	135 [5.31]	27 [1.06]	1.8 [4]
½ NPT	≤ 0.25 bar [3.6 psi]	160 [6.3]	24.5 [0.96]	59 [2.32]	17.5 [0.69]	101 [3.98]	99 [3.90]	141 [5.55]	22 [0.87]	6.3 [13.9]
	≥ 0.4 bar [5.8 psi]	100 [3.94]	24.5 [0.96]	59 [2.32]	17.5 [0.69]	101 [3.98]	99 [3.90]	133 [5.24]	27 [1.06]	1.8 [4]

1) The dimensions of customer-specific scale ranges which are between 0.16 bar [2.3 psi] and 0.25 bar [3.6 psi] are defined after an application-specific test.

Overload safety 400 bar

Process connection G	Scale range	Dimensions in mm [in]								Weight in kg [lb]
		d	a	b	e	D1	D2	$h \pm 2$ [0.08]	SW	
G ½ B	≥ 0.4 bar [5.8 psi]	128 [5.04]	24.5 [0.96]	59 [2.32]	17.5 [0.69]	101 [3.98]	99 [3.90]	169 [6.65]	22 [0.87]	6.3 [13.9]
½ NPT	≥ 0.4 bar [5.8 psi]	128 [5.04]	24.5 [0.96]	59 [2.32]	17.5 [0.69]	101 [3.98]	99 [3.90]	167 [6.57]	22 [0.87]	6.3 [13.9]

Models 432.36 and 433.36, nominal size 160 [6"]



14520383.01

Overload safety 40 bar

Process connection G	Scale range ¹⁾	Dimensions in mm [in]								Weight in kg [lb]
		d	a	b	e	D1	D2	h ± 2 [0.08]	SW	
G ½ B	≤ 0.25 bar [3.6 psi]	160 [6.3]	27 [1.06]	65 [2.56]	17.5 [0.69]	161 [6.34]	159 [6.26]	165 [6.5]	27 [1.06]	4 [8.8]
	≥ 0.4 bar [5.8 psi]	100 [3.94]	27 [1.06]	65 [2.56]	17.5 [0.69]	161 [6.34]	159 [6.26]	165 [6.5]	27 [1.06]	2.2 [4.9]
½ NPT	≤ 0.25 bar [3.6 psi]	160 [6.3]	27 [1.06]	65 [2.56]	17.5 [0.69]	161 [6.34]	159 [6.26]	163 [5.24]	27 [1.06]	4 [8.8]
	≥ 0.4 bar [5.8 psi]	100 [3.94]	27 [1.06]	65 [2.56]	17.5 [0.69]	161 [6.34]	159 [6.26]	163 [5.24]	27 [1.06]	2.2 [4.9]

Overload safety 100 bar






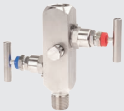


Process connection G	Scale range ¹⁾	Dimensions in mm [in]								Weight in kg [lb]
		d	a	b	e	D1	D2	h ± 2 [0.08]	SW	
G ½ B	≤ 0.25 bar [3.6 psi]	160 [6.3]	27 [1.06]	65 [2.56]	17.5 [0.69]	161 [6.34]	159 [6.26]	173 [6.81]	22 [0.87]	6.9 [15.2]
	≥ 0.4 bar [5.8 psi]	100 [3.94]	27 [1.06]	65 [2.56]	17.5 [0.69]	161 [6.34]	159 [6.26]	165 [6.5]	27 [1.06]	2.3 [5.1]
½ NPT	≤ 0.25 bar [3.6 psi]	160 [6.3]	27 [1.06]	65 [2.56]	17.5 [0.69]	161 [6.34]	159 [6.26]	171 [6.73]	22 [0.87]	6.9 [15.2]
	≥ 0.4 bar [5.8 psi]	100 [3.94]	27 [1.06]	65 [2.56]	17.5 [0.69]	161 [6.34]	159 [6.26]	163 [6.42]	27 [1.06]	2.3 [5.1]

1) The dimensions of customer-specific scale ranges which are between 0.16 bar [2.3 psi] and 0.25 bar [3.6 psi] are defined after an application-specific test.

Overload safety 400 bar

Process connection G	Scale range	Dimensions in mm [in]								Weight in kg [lb]
		d	a	b	e	D1	D2	h ± 2 [0.08]	SW	
G ½ B	≥ 0.4 bar [5.8 psi]	128 [5.04]	27 [1.06]	65 [2.56]	17.5 [0.69]	161 [6.34]	159 [6.26]	199 [7.83]	22 [0.87]	6.9 [15.2]
½ NPT	≥ 0.4 bar [5.8 psi]	128 [5.04]	27 [1.06]	65 [2.56]	17.5 [0.69]	161 [6.34]	159 [6.26]	197 [7.76]	22 [0.87]	6.9 [15.2]

Accessories and spare parts

Model	Description		
	910.33	Adhesive label set for red and green circular arcs → See data sheet AC 08.03	
		Order number NS 100 [4"]	14238945
		Order number NS 160 [6"]	14228352
	910.17	Sealings → See data sheet AC 09.08	
	910.15	Syphons → See data sheet AC 09.06	
	910.13	Overpressure protector → See data sheet AC 09.04	
	IV1	Needle valve and multiport valve → See data sheet AC 09.22	
	IV2	Block-and-bleed valve → See data sheet AC 09.19	
	IVM	Monoflange, process and instrument version → See data sheet AC 09.17	
	BV	Ball valve, process and instrument version → See data sheet AC 09.28	

Ordering information

Model / Nominal size / Scale range / Process connection / Options

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