



# Flush Diaphragm Pressure Gauges

Stainless Steel Case

Stainless Steel Wetted Parts

Process Industry Series Dry • Type 432.55

Process Industry Series Liquid Filled • Type 433.55

## Pressure Gauges

### Application

Industrial type suitable for the food, biological, pharmaceutical, and other industries requiring special process connections. The sanitary quick release connection allows for direct, fast installation and removal in sanitary piping systems. Built to withstand corrosive, highly viscous and crystallizing medium. The stainless steel diaphragm is mechanically linked to the movement, allowing a dry measuring system with no transmission fluid. Eliminates system liquid filling and permits overpressurization up to 1.5 times the full scale range.

**Sizes** (All sizes not stocked)

4" and 6" (100 and 160 mm)

### Accuracy

± 1.5% of span

**Ranges** (All ranges not stocked)

Vacuum / Compound to 30"HG / 0 / 60 PSI

Pressure from 10 PSI to 60 PSI or other equivalent units of pressure or vacuum

### Working Range

Steady: Full scale value

Fluctuating: 0.9 x full scale value

### Overpressure Safety

1.5 X full scale value

### Operating Temperature

Ambient: -4°F to 140°F (-20°C to 60°C)

Media: max. 302°F (+150°C)

### Temperature Error

Additional error when temperature changes from reference temperature of 68°F (20°C) ±0.5% for every 18°F (10°C) rising or falling. Percentage of span.

## Standard Features

### Process Connection

Material: 316L stainless steel

Lower mount (LM)

2" clamp connection

### Diaphragm Element

Material: 316L stainless steel

### Movement

Material: stainless steel

### Dial

White aluminum with black lettering

### Pointer

Black aluminum



### Case

304 stainless steel with blow-out disk and stainless steel bayonet ring

### Weather Protection

Weather resistant (NEMA 4X / IP 54) - dry case

Weather tight (NEMA 4X / IP 65) - liquid-filled case

### Standard Scales

PSI or inches of H<sub>2</sub>O

### Window Gasket

Buna-N

### Window

Laminated safety glass

### Order Options (min. order may apply)

Higher overpressure protection

Instrument glass window

Acrylic window

Process connection clamp (from 2 1/2") resp. thread connection per DIN 11 851

Connector location at 3, 9, or 12 o'clock

DIN standards

Custom dial layouts

Other pressure scales available

Alarm contact switches magnetic and inductive

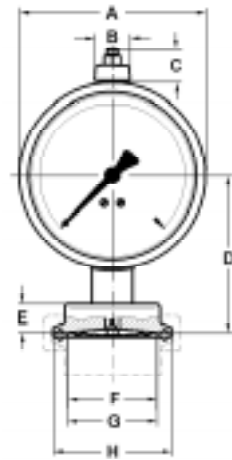
Wetted parts and covering metallic components electropolished

## Clamp Connection

### Dimensions:

#### A\* NOMINAL SIZE

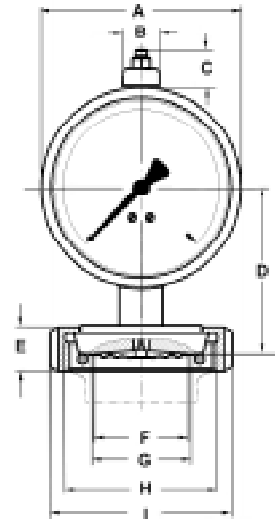
TYPE	WEIGHT	G	KEY	A*	B	C	D	E	F	H
43X.55 4"	1.4 lbs.	2 in.	mm	100	19	19	85	15	48	64
			in	4	0.75	0.75	3.35	0.59	1.89	2.52
	1.9 lbs.	2.5 in.	mm	100	19	19	85	15	48	77.5
			in	4	0.75	0.75	3.35	0.59	1.89	3.05
	2.6 lbs.	3 in.	mm	100	19	19	85	15	48	91
			in	4	0.75	0.75	3.35	0.59	1.89	3.59
43X.55 6"	2.3 lbs.	2 in.	mm	160	19	19	115	15	48	64
			in	6	0.75	0.75	4.53	0.59	1.89	2.52
	2.8 lbs.	2.5 in.	mm	160	19	19	115	15	48	77.5
			in	6	0.75	0.75	4.53	0.59	1.89	3.05
	3.5 lbs.	3 in.	mm	160	19	19	115	15	48	91
			in	6	0.75	0.75	4.53	0.59	1.89	3.59



### Process Connection With Union Nut

#### A\* NOMINAL SIZE

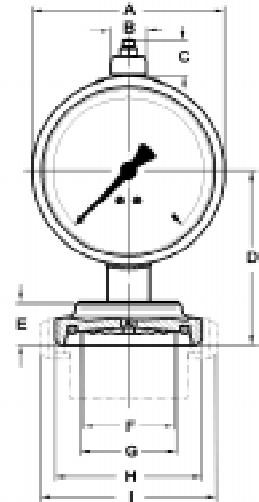
TYPE	WEIGHT	G	KEY	A*	B	C	D	E	F	H	I
43X.55 4"	1.5 lbs.	2 in.	mm	100	19	19	85	22	48	Rd 78x1/6	92
			in	4	0.75	0.75	3.35	0.87	1.89	-	3.62
	2.5 lbs.	3 in.	mm	100	19	19	92	29	48	Rd 110x1/4	127
			in	4	0.75	0.75	3.62	1.14	1.89	-	5.00
43X.55 6"	2.4 lbs.	2 in.	mm	160	19	19	115	22	48	Rd 78x1/6	92
			in	6	0.75	0.75	4.53	0.87	1.89	-	3.62
	3.4 lbs.	3 in.	mm	160	19	19	122	29	48	Rd 110x1/4	127
			in	6	0.75	0.75	4.81	1.14	1.89	-	5.00



### Process Connection With Male Thread

#### A\* NOMINAL SIZE

TYPE	WEIGHT	G	KEY	A*	B	C	D	E	F	H	I
43X.55 4"	1.8 lbs.	2 in.	mm	100	19	19	92	22	48	Rd 78x1/6	92
			in	4	0.75	0.75	3.62	0.87	1.89	-	3.62
43X.55 6"	2.6 lbs.	2 in.	mm	160	19	19	122	22	48	Rd 78x1/6	92
			in	6	0.75	0.75	4.81	0.87	1.89	-	3.62



**THE MEASURE OF  
Total Performance™**

### Ordering Information:

State computer part number (if available) / type number / size / range / connection size and location / options required.

Specifications given in this price list represent the state of engineering at the time of printing. Modifications may take place and the specified materials may change without prior notice.

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