

Sanitary pressure gauge

Model : P750 Series

WISE®

Service intended

The P750 Series have diaphragm seal to be combined with a pressure gauges. These series are suitable for corrosive, contaminated, hot or viscous pressure media in chemical, biochemical pharmaceutical and dairy farm process industry.

Nominal diameter

63, 80 and 100mm

Accuracy

63 and 80mm : ± 1.6 PER DIN 16 005
100mm : ± 1.0 PER DIN 16 005

Pressure range (MPa, kPa, bar)

Refer to Pressure Unit and Range Table
Depending on diaphragm size and process conditions

Working pressure

Steady : 75% of full scale
Over Range Protection : 130% of full scale

Working temperature

Maximum Temperature rate of diaphragm seal depends on the filled liquid, material of wetted parts.
Standard filled liquid is available for temperature range from -20°C to 150°C



P751



P752



P753



P754



P755



P756

Standard features

Body

Stainless Steel (316SS)

Diaphragm

Stainless Steel (316LSS)
Electropolished Diaphragm
12 ~ 20 RA

System filling

USP grade glycerine (99.5% Pure)
Option : Food grade silicone

Process connection

316SS
P751 : 1½" and 2", Nut
P752 : 1", 1½", 2", Clamp connection
P753 : PF¾", PF1, PF1½" Male screw
P754 : Standard and Non Standard Flange
P755 : Homogenizer
P756 : Homogenizer Flange (95×43×28)

Ordering information (See Note 1)

Base model

- P751: Nut type sanitary pressure gauge**
P752: Clamp (IDF flange) type sanitary pressure gauge
P753: Male screw type sanitary pressure gauge
P754: Cooling fin type sanitary pressure gauge
P755: Homogenizer type sanitary pressure gauge
P756: Homogenizer flange type sanitary pressure gauge

Gauge model & mounting type

- 7A : 63mm, Bottom Connection
 7U : 80mm, Bottom Connection
 8A : 100mm, Bottom Connection
 7G : 63mm, Lower Back Connection, P751 & P752 Only
 7V : 80mm, Lower Back Connection, P751 & P752 Only
 8G : 100mm, Lower Back Connection, P751 & P752 Only
 7P : 63mm, Bottom Connection, Liquid Filling
 8U : 80mm, Bottom Connection, Liquid Filling
 8P : 100mm, Bottom Connection, Liquid Filling
 7T : 63mm, Lower Back Connection, P751 & P752 Only, Liquid Filling
 8V : 80mm, Lower Back Connection, P751 & P752 Only, Liquid Filling
 8T : 100mm, Lower Back Connection, P751 & P752 Only, Liquid Filling

Body & process connection material

D : 316SS

Process connection

- FB : 1", 3/4PF, P753 Only
 JB : 1", 1½PF, P753 Only
 GN : 1", P751 & P752 Only
 JN : 1½", P751 & P752 Only
 KN : 2", P751 & P752 Only
 PU : Homogenizer, P755 Only
 PS : Homogenizer Flange (95×43×28), P756 Only
 PN : Non standard & Standard Flange, P754 Only(See Note2)
 ZZ : Other

Unit

- H : bar
 I : MPa
 J : kPa

Range

Refer to Pressure Unit & Range Table

Diaphragm material

E : 316LSS

Options

- 0 : None
 1 : Accessories

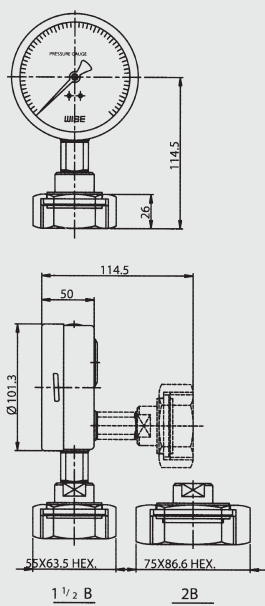
P752	8A	D	JN	I	045	E	0	Sample model number
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Note

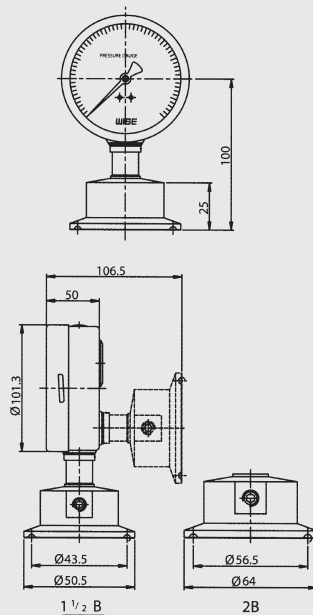
1. Max Temperature and Pressure of process medium must be specified on Order Sheet.
2. Flange size will be specified on Order Sheet.

P750 : Type of mounting

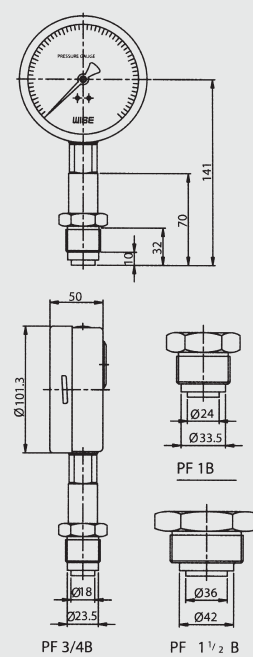
P751



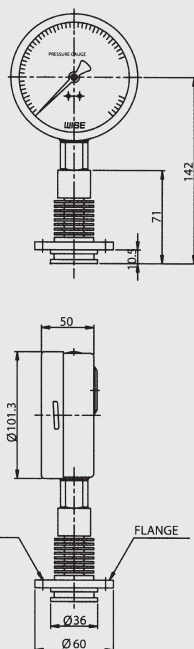
P752



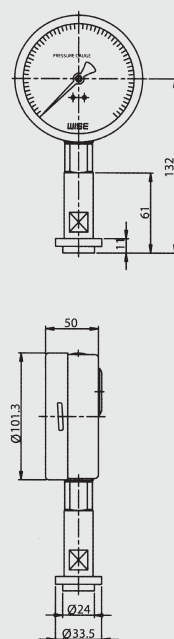
P753



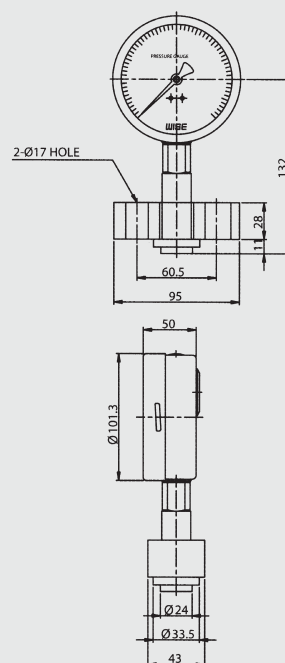
P754



P755



P756



Pressure unit & range table

RANGE & CODE	UNIT & CODE			P751		P752		P753			P754	P755	P756
	H : bar	J : kPa	I : MPa	1 1/2"	2"	1 1/2"	2"	PF 3/4"	PF 1"	PF 1 1/2"			
041	0~1	0~100	0~0.1	×	○	×	○	×	×	×	×	×	×
133	0~1.6	0~160	0~0.16	×	○	×	○	×	×	×	×	×	×
042	0~2	0~200	0~0.2	×	○	×	○	×	×	×	○	×	×
134	0~2.5	0~250	0~0.25	×	○	×	○	×	×	×	×	×	×
043	0~3	0~300	0~0.3	×	○	×	○	×	×	×	○	×	×
044	0~4	0~400	0~0.4	○	○	○	○	×	×	○	○	×	×
045	0~6	0~600	0~0.6	○	○	○	○	×	×	○	○	×	×
047	0~10	0~1000	0~1	○	○	○	○	×	×	○	○	×	×
050	0~15	X	0~1.5	○	○	○	○	×	×	○	○	×	×
051	0~20	X	0~2	○	○	○	○	×	×	○	○	×	×
052	0~25	X	0~2.5	○	○	○	○	×	×	○	○	×	×
054	0~35	X	0~3.5	○	○	○	○	×	○	○	○	×	×
055	0~50	X	0~5	○	○	○	○	×	○	○	○	×	×
057	0~70	X	0~7	×	×	×	×	×	○	○	○	○	○
058	0~100	X	0~10	×	×	×	×	○	○	○	○	○	○
059	0~150	X	0~15	×	×	×	×	○	○	○	×	○	○
062	0~250	X	0~25	×	×	×	×	○	○	○	×	○	○
064	0~350	X	0~35	×	×	×	×	○	○	○	×	○	○
065	0~400	X	0~40	×	×	×	×	○	○	○	×	○	○
066	0~500	X	0~50	×	×	×	×	○	○	○	×	○	○

○ : AVAILABLE × : NOT AVAILABLE