

**DIAPHRAGM TYPE LOW PRESSURE GAUGE
SCREWED PROCESS CONN. MODEL : P428
"I" TYPE FLANGE PROCESS CONN. MODEL : P429**

WISE®

SERVICE INTENDED

P428 and P429 Series are designed to measure low, vacuum or compound Pressure. These series are consisted of diaphragm which is protective device designed to isolate pressure gauge from corrosive, contaminative, hot viscous pressure media.

DESIGN

Internal Diaphragm

NOMINAL DIAMETER

100 and 150mm

ACCURACY

±1.5% of Full Scale

SCALE RANGE (kPa, mbar)

-1~0 to -30~0kPa

0.5 to ±15kPa

0 ~ 1 to 0 ~ 35kPa

WORKING TEMPERATURE

Ambient : -20 ~ 65°C

Fluid : -20 ~ 80°C



Standard Features

DIAPHRAGM

Stainless Steel (316LSS)

PROCESS CONNECTION

Model P428 : PT and NPT, Others are available

Model P429 : Flanges to ANSI, JIS or other Standard

OPTIONAL EXTRAS

Diaphragm and lower flange are available for PTFE Coating or PTFE Lining.

ORDERING INFORMATION

BASE MODEL

P428 : SCREWED PROCESS CONNECTION DIAPHRAGM

P429 : "I" TYPE FLANGE PROCESS CONNECTION DIAPHRAGM

NOMINAL DIAMETER

XA : 100mm

XB : 150mm

UPPER FLANGE & DIAPHRAGM MATERIAL

B : 304SS & 316LSS

J : 316SS & 316LSS

PROCESS CONNECTION TYPE

XX : Refer to Process Connection Type Table

UNIT

Refer to Pressure Unit & Range Table

RANGE

J : kPa

S : mbar

LOWER FLANGE MATERIAL

B : 304SS

D : 316SS

E : 316LSS

L : 304SS + COATING

M : 304SS + LINING

N : 316SS + COATING

P : 316SS + LINING

Z : Other

OPTIONS

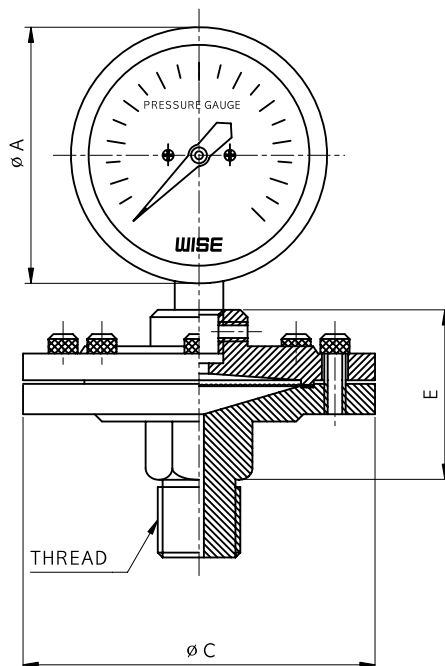
0 : None

1 : Accessories

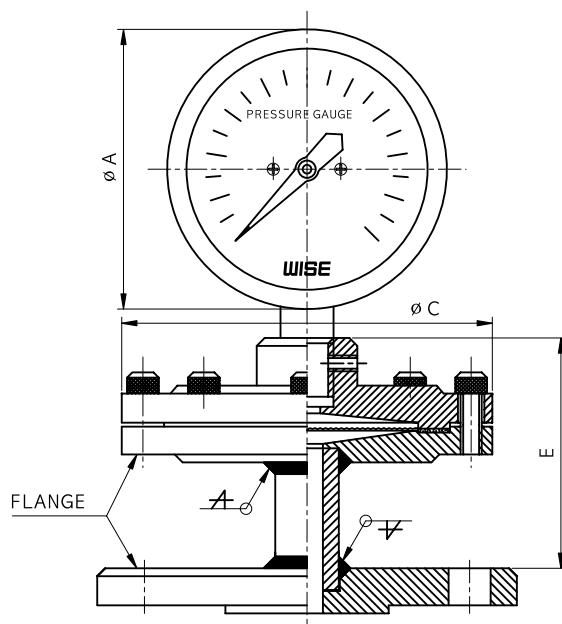
P428	XA	B	KB	J	122	B	0	SAMPLE MODEL NUMBER
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P428, P429 : TYPE OF MOUNTING

CODE P428



CODE P429



Dimensions (mm)

AVAILABLE CODE	DIAL SIZE	A	C (ONLY 100mmH ₂ O)	E
P428	ø 100	111	100(140)	53
	ø 150	168.5	100(140)	53
P429	ø 100	111	100(140)	83
	ø 150	168.5	100(140)	83

PRESSURE UNIT & RANGE TABLE

RANGE & CODE	UNIT & CODE		UNIT & CODE	
	S : mbar	J : kPa	100mm	150mm
001	-300~0	-30~0	○	○
002	-200~0	-20~0	○	○
003	-150~0	-15~0	○	○
004	-100~0	-10~0	○	○
006	-50~0	-5~0	○	○
007	-40~0	-4~0	○	○
008	-30~0	-3~0	○	○
009	-20~0	-2~0	○	○
010	-10~0	-1~0	○	○
073	-150~150	-15~15	○	○
071	-100~100	-10~10	○	○
014	-50~50	-5~5	○	○
018	-30~30	-3~3	○	○
020	-20~20	-2~2	○	○
022	-10~10	-1~1	○	○
023	-5~5	-0.5~0.5	○	○
058	0~10	0~1	○	○
061	0~20	0~2	○	○
063	0~30	0~3	○	○
065	0~40	0~4	○	○
066	0~50	0~5	○	○
070	0~100	0~10	○	○
116	0~150	0~15	○	○
117	0~200	0~20	○	○
118	0~250	0~25	○	○
119	0~300	0~30	○	○
120	0~350	0~35	○	○

○ : AVAILABLE × : NOT AVAILABLE

8th Character		9th Character			
Code	Connection Size	For Model P428		For Model P429	
		Code	Connection Type	Code	Flange Rating
*C	1/4"(8A)	B	PF	B	ANSI 150# RF
*D	3/8"(10A)	C	PT	C	ANSI 150# FF
E	1/2"(15A)	D	NPT	D	ANSI 150# RFSF
F	3/4"(20A)	E	UNF	E	ANSI 300# RF
G	1"(25A)	F	BSPT	F	ANSI 300# FF
H	1 1/4"(32A)	G	BSPF	G	ANSI 300# RFSF
J	1 1/2"(40A)	H	NPS	H	ANSI 600# RF
K	2"(50A)	J	M	J	ANSI 600# FF
L	2 1/2"(65A)			K	ANSI 600# RFSF
M	3"(80A)			L	JIS 10K RF
N	4"(100A)			M	JIS 10K FF
				N	JIS 10K RFSF
				P	JIS 20K RF
				Q	JIS 20K FF
				R	JIS 20K RFSF
				S	JIS 30K RF
				T	JIS 30K FF
				U	JIS 30K RFSF
Z	Other	Z	Other	Z	Other

*Only Available with Model P428