

Bourdon-tube gauges are elastic type gauges, employing a Bourdon-tube element, and are the most commonly used of all pressure gauges. They are used almost exclusively for measurements of fluid pressures (gauge pressure). Generally, there are the following three types of Bourdon gauges for specific jobs.

- Pressure gauge : For measuring pressure range of 0 atmospheres or above
- Vacuum gauge : For measuring pressure range of 0 atmospheres or below
- Compound gauge : For measuring both

positive and negative pressures. Constructed with a single Bourdon-tube element which moves according to pressurized fluid entering this tube. The movement displaces a connecting linkage that actuates a pointer on the gauge face with magnified indication. They are produced to conform to KS B 5305. Major material is BS type, while Fe, STS, BeCu, etc., may be used depending on applications.

### Features

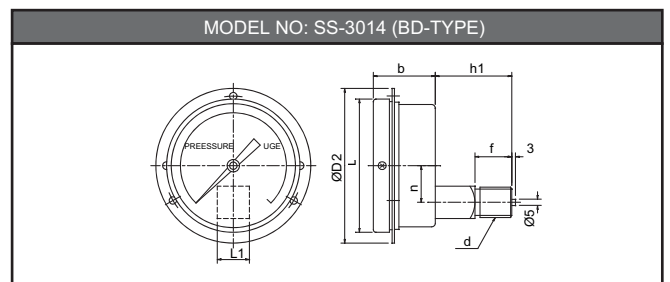
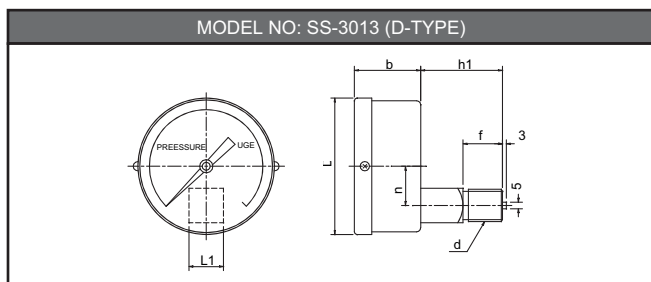
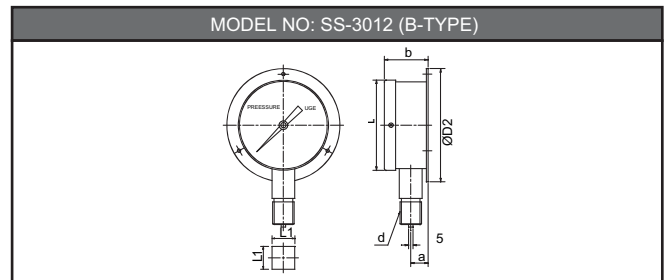
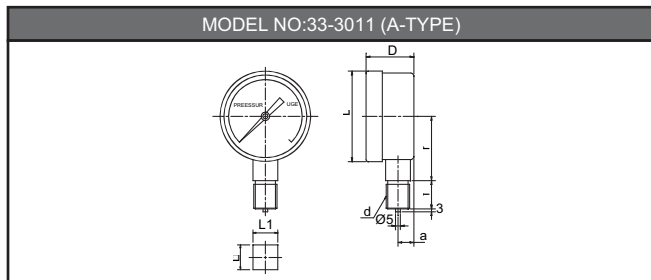
- Easy to handle. Rugged construction
- Precise accuracy measuring range, vibration resistance, shock resistance and other features put Bourdon gauges ahead of other type pressure gauges

### Ordering Codes

MODEL	ACCURACY	CONNECTION SIZE
SS-3011	1.5	PF 3/8
DIA METER		RANGE
100		0-10 kg/cm <sup>2</sup>



### Dimensions



DIA (mm)	RANGE (Kg/cm <sup>2</sup> )	Dimensions(mm)											h, f, L			
		a	b	d	d <sub>2</sub>	D	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	D <sub>4</sub>	n	h <sub>1</sub>	PF1/4	PF3/8	PF1/2	
		Ø 50	1~100	1030		PF1/4		52.5								50,16,14
Ø 60	1~250	1231		PF1/4	4.5	63.5	63	80	72		20.5	23		57,16,15		
Ø 75	1~250	12.5	34	PF3/8	4.5	78.5	76	97	88		22.5	32.5			70,18,17	
Ø 100	1~100	1235		PF3/8	5.5	102.5	127	105	115	102	21.5	32.5			81,18,17	
	150~2000	1348		PF1/2	5.5	110	100.5	128	115	101	33	35				88,20,22
Ø 150	1~2000	13.5	35	PF3/8		154									114,18,17	
Ø 200	1~2000	1052		PF1/2	5.5	203	235									142,20,22

### Material

- Case: Steel(SCP2)
- Bourdon tube: Brass(C2700T)
- Connection: Brass
- Dial plate: Aluminum with white background

### Pressure and division

Range (Kg/cm <sup>2</sup> )	Class Dia Size Division	0.5		1.0			1.5						3.0	
		150	200	100	150	200	50	60	75	100	150	200	50	60
2000-0		100	100		40	40				40	40	40		
1000-0		100	100		50	50				50	50	50		
700-0		70	70	35	35	35				35	35	35		
500-0		100	100	50	50	50				50	50	50		
350-0		70	70	35	35	35				35	35	35		
250-0		125	125	50	50	50	25	25	25	50	50	50	25	25
150-0		75	75	30	30	30	30	30	30	30	30	30		
100-0		100	100	50	50	20	20	20	50	50	50	50		
70-0		70	70	35	35	35	35	35	35	35	35	35		
50-0		100	100	50	50	50	25	25	25	50	50	50		
35-0		70	70	35	35	35	35	35	35	35	35	35	35	35
25-0		125	125	50	50	50	25	25	25	50	50	50	25	25
20-0		100	100	40	40	40	20	20	20	40	40	40	20	20
15-0		75	75	30	30	30	30	30	30	30	30	30	15	15
10-0		100	100	50	50	50	20	20	20	50	50	50	20	20
6-0		120	120	30	30	30	30	30	30	30	30	30	12	12
4-0		80	80	40	40	40	20	20	20	40	40	40	20	20
3-0		60	60	30	30	30	30	30	30	30	30	30		
2-0		100	100	40	40	40	20	20	20	40	40	40	20	20
1-0		100	100	50	50		20	20	20	50	50			
0.5-0										50	50			
0~76cmHg		76	76	38	38	38		15	15	38	38	38		15
20 kgf/cm <sup>2</sup>								20	20	40	40	40		20
-76 cmHg								1	1	2	2	2		1
15 kgf/cm <sup>2</sup>								30	30	30	30	30		15
-76 cmHg								1	1	2	2	2		1
10 kgf/cm <sup>2</sup>								20	20	50	50	50		20
-76 cmHg								2	2	2	2	2		1
6 kgf/cm <sup>2</sup>								30	30	30	30	30		12
-76 cmHg								7	7	7	7	7		2
4 kgf/cm <sup>2</sup>								20	20	40	40	40		20
-76 cmHg								7	7	7	7	7		2
3 kgf/cm <sup>2</sup>								15	15	30	30	30		15
-76 cmHg								7	7	8	8	8		7
2 kgf/cm <sup>2</sup>								20	20	20	20	20		20
-76 cmHg								8	8	15	15	15		7
1 kgf/cm <sup>2</sup>								10	10	20	20	20		10
-76 cmHg								15	15	15	15	15		7

**A**

Recorders

**B**

Data  
Loggers

**C**

Indicators

**D**

Converters

**E**

Controllers

**F**

Thyristor  
Units

**G**

Transmitters

**H**

Temp.  
Sensors

**I**

Thermo  
Meters

**J**

Pressure  
Gauges

**K**

Others

SS-3010  
~3080

SS-3110  
~3300

KCQ-21  
KCQ-30

KCD-21