

LOW RANGE PRESSURE GAUGES

Description

Usual measurement range of Bourdon-tube pressure gauge is 0 ~ 30kPa or more, but the aneroid type chamber is used as an element for measurement of lower pressure less than 0 ~ 30 KPa.

As an application example, this gauge is used for the measurement of extremely low range pressure such as in a furnace, a flue tube of the combustion system or the measurement of general gas pressure.

Taking account of various applications on the functional phase, many types are available since the combination of special mechanisms is possible as well as the general pressure gauges.

Features

Accuracy and durability are outstanding since the specially designed highly sensitive aneroid type chamber is used for the pressure receiving element.

Instantaneous over pressure that may occur often during the low range pressure measurement can be prevented by installing the "over pressure prevention device".



Standard specifications for manufacturing

Model	355
Size	75 100 150
Type	A, B, D
Connection thread	G ³ / ₈ , G ¹ / ₂ , R ³ / ₈ , R ¹ / ₂
Case	ADC screw lid type, black painting
Socket, chamber	BRASS, SUS316
Range	100 BRASS 1.5 ~ 30kPa
	75 100 SUS316 3 ~ 30kPa
	150 BRASS 0.8 ~ 30kPa
	150 SUS316 1.5 ~ 30kPa
Accuracy	± 1.6%FS
Operating temperature	- 5 ~ + 40

1. Over pressure prevention device can be installed to the product for more than 5kPa.
2. Over pressure prevention device only works in the case of instantaneous over pressure occurrence (for about 5 seconds); therefore it cannot be used for a long time.
3. 100 SUS 3kPa has a 240 °scale.
4. Low range pressure gauge with electric contact is available. Refer to the catalog No.3012.
5. 100 ,115 SUS case is available.

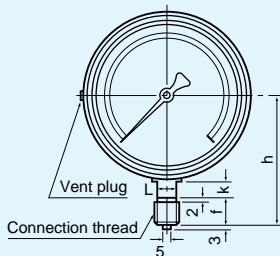


Model

Size	Material	Type	Model			
			Connection thread			
			G ³ / ₈	R ³ / ₈	G ¹ / ₂	R ¹ / ₂
100	BRASS	A	355-A350	355-A750	355-A450	355-A850
		B	-B350	-B750	-B450	-B850
		D	-D350	-D750	-D450	-D850
	SUS316	A	-A351	-A751	-A451	-A851
		B	-B351	-B751	-B451	-B851
		D	-D351	-D751	-D451	-D851
150	BRASS	A	-A380	-A780	-A480	-A880
		B	-B380	-B780	-B480	-B880
		D	-D380	-D780	-D480	-D880
	SUS316	A	-A381	-A781	-A481	-A881
		B	-B381	-B781	-B481	-B881
		D	-D381	-D781	-D481	-D881

Outline dimensions

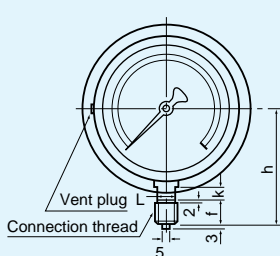
355A



Size	D	a	b	h	
				G ³ / ₈	G ¹ / ₂
100	112	37	69	92	94
150	164	67	101	118	120
200	219	36	69	146	148

Connection thread	f	k	L
G ³ / ₈	18	12	17
G ¹ / ₂	20	12	17

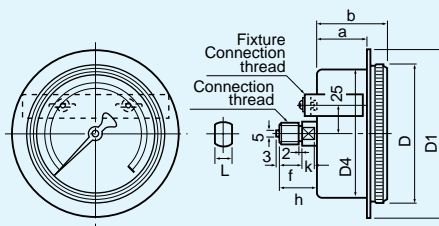
355B



Size	b	D ₁	D ₂	h	
				G ³ / ₈	G ³ / ₈
100	71	112	128	92	94
150	103	164	178	118	120
200	72	219	235	146	148

Connection thread	f	k	L
G ³ / ₈	18	12	17
G ¹ / ₂	20	12	17

355D



Size	D	D ₁	D ₄	a	b
100	112	110	104	53	69
150	164	164	154	80	101
200	219	235	204	80	101

Connection thread	f	k	L	h
G ³ / ₈	18	11	14	38
G ¹ / ₂	20	12	17	40

Note) Specifications are subject to change without notice.