



CORPORATE STANDARD

AA 731 04 35

Rev. No. 02

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PRESSUE GAUGE – STAINLESS STEEL BOURDON TUBE, FLUSH MOUNTING, BACK CONNECTION

1.0 SCOPE:

This standard specifies the requirements of flush mounting, clamp fixing, pressure gauge with stainless steel bourdon tube and back connection, for industrial and utility applications.

2.0 DESIGNATION:

A pressure gauge to this standard of range 0 to 2.5 kgf/cm², dial size 100 mm, and threading connection of M 20 x 1.5 (6g) shall be designated as follows:

2.1 On Indents/Drawings:

Material specification column : AA 731 04 35

Description column : PRGG SS 0 – 2.5 D 100 M 20 X 1.5

Material code column : AA 731 04 35 192

2.2 On enquiries and purchase orders:

In addition to incorporating the above details, a copy of this standard shall be enclosed.

3.0 TECHNICAL REQUIREMENTS:

3.1 Mounting and Connection:

The gauges shall be flush mounting, back connection, clamp fixing. The sizes of the connection shall be as given in Table.1.

3.2 Range and Dial Size: Shall be as given in Table.1.

3.3 Panel cutout dimensions:

The gauges shall be suitable for panel cut out dimensions as per IS:3624.

4.0 CONSTRUCTIONAL FEATURES, TESTS, TEST CERTIFICATE, GUARANTEE, DOCUMENT, PACKING, MARKING:

Shall be as given in BHEL standard AA 085 14 09.

NOTE: Copper and copper alloys shall be avoided during construction of the gauges.

5.0 REFERRED STANDARDS (Latest publications including amendments):

- 1) AA 085 14 09 2) IS:3624

Revisions :

CI 17.5.07 of MOM of WG-M&CD

APPROVED :

INTERPLANT
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**TABLE – 1**

RANGE		SUB CODE		
kgf/cm ²	MPa	Dial 100 mm M 20 X 1.5 (6g)	Dial 150 mm M20 X 1.5 (6g)	Dial 250 mm M20 X 1.5 (6g)
0 to + 1	0 to 0.1			
0 to + 1.6	0 to 0.16			
0 to + 2.5	0 to 0.25	192	354	
0 to + 4	0 to 0.4	206	362	
0 to + 6	0 to 0.6	214	370	
0 to + 10	0 to 1	222	389	
0 to + 16	0 to 1.6	230	397	
0 to + 25	0 to 2.5	249	400	
0 to + 40	0 to 4	257	419	
0 to + 60	0 to 6	265	427	
0 to + 100	0 to 10	273	435	
0 to + 160	0 to 16	281	443	
0 to + 250	0 to 25	290*	451	613
0 to + 400	0 to 40		460	621
0 to + 600	0 to 60			
0 to + 1000	0 to 100			

NOTE:

1. Specific requirements of the plants shall be covered by plant annexure to this standard.
2. Specific requirements of the plants shall be covered by plant Annexure to this standard.