

CG-760 CG-100 CG-20

ABSOLUTE PRESSURE CAPSULE GAUGES

Becker Capsule Gauges are available in three models: CG-760; CG-100, and CG-20.

Becker capsule gauges are high-quality, barometrically compensated, absolute pressure gauges. Each gauge has a dual absolute pressure scale, reading in both millibars (mbar) and torr (mmHg).

All models are constructed with a lightweight aluminum housing. The housing is machined with dual locations for the vacuum connection. Our standard location is bottom mounting. The alternative location is back mounting. As an additional benefit, the gauge is supplied with a bracket for panel mounting.

A $\frac{1}{8}$ " NPT threaded connection is standard, with a KF-16 (NW-16) flange, or 8 mm ($\frac{5}{16}$ ") O.D. tube fitting available as an option.

A sensing element made of Inconel X750 is sealed under a high vacuum and electron beam welded. It has

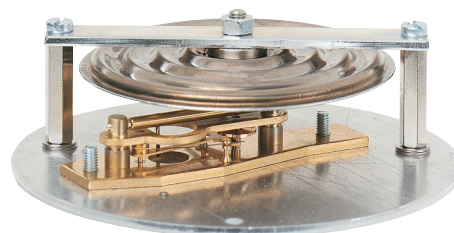
virtually no hysteresis. Overpressure to 30 PSIG (+2 bar) will not harm this gauge, or alter the calibration.

To ensure high accuracy, all bearings are set in jewels, which provides exceptionally smooth pointer movement. Each gauge is individually calibrated at every cardinal point on both decreasing and increasing pressure. Accuracy is traced to the National Physical Laboratory*.

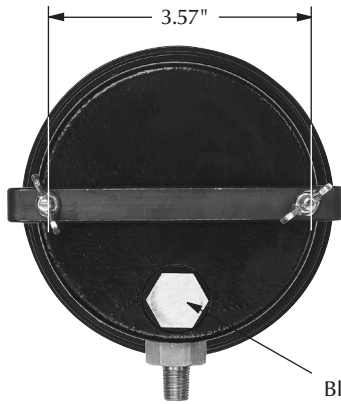
The CG-760 model reads from a sea level atmospheric pressure of 760 torr down to 0 torr (1013 to 0 mbar). It is used where the pressure of the process can vary over a wide range.

The CG-100 model is used where more accuracy is needed at lower absolute pressures, or higher relative vacuum levels. This gauge indicates pressure beginning at 100 torr and reading down to 0 torr (133 to 0 mbar).

For processes requiring very accurate readings at low pressure, the CG-20 model should be used. It has a scale of 20 torr to 0 torr (27 to 0 mbar). This gauge is ideal for food packaging, or the testing of a pump's ultimate pressure.



* Great Britain

TECHNICAL DATA


Blanking Plug for Alternate Back Connection

	CG-760	CG-100	CG-20
Range (torr)	760-0	100-0	20-0
Range (mbar)	1013-0	133-0	27-0
Increments (torr)	10	2	1
Increments (mbar)	20	2	1
Face Diameter (in.)	3 3/8	3 3/8	3 3/8
Scale length (in.)	6.5	6.5	6.5
Accuracy (% Full Scale Deflection)	±2%	±2%	±2%
Pipe connection (male NPT)	1/8	1/8	1/8
Bottom connection	Std.	Std.	Std.
Back connection	Opt.	Opt.	Opt.
Panel Mount	Std.*	Std.*	Std.*
Weight (grams)	800	800	800
Housing material (Aluminum)	LM4	LM4	LM4
Capsule Material (Inconel)	X750	X750	X750
Movement	Jewel	Jewel	Jewel

* Kit Included

Manufacturer reserves right to alter data without notice.

