



Stainless Steel Pressure Gauges

Models

6081, 6085, 6087 6097, 6127

FEATURES

- Glycerine filled for consistent, accurate readings, shock and pulsation protection.
- 316 stainless steel fitting and bourdon tube for added corrosion resistance and performance.
- Hermetically sealed 304 stainless steel case eliminates corrosion risk and liquid or humidity within gauge. (Except Model 6081)
- Built-in snubber to reduce pressure fluctuations.
- Installed on pump discharge manifold to allow accurate monitoring of pump performance and enhance system safety.

⚠ CAUTIONS AND WARNINGS

All High Pressure Systems require a primary pressure regulating device (i.e. regulator, unloader) and a secondary pressure relief device (i.e. pop-off valve, relief valve). Failure to install such relief devices could result in personal injury or damage to pump or property. CAT PUMPS does not assume any liability or responsibility for the operation of a customer's high pressure system.

Read all CAUTIONS and WARNINGS before commencing service or operation of any high pressure system. The CAUTIONS and WARNINGS are included in each service manual and with each Accessory Data sheet. CAUTIONS and WARNINGS can also be viewed online at www.catpumps.com/cautions-warnings or can be requested directly from CAT PUMPS.

WARRANTY

View the Limited Warranty on-line at www.catpumps.com/warranty.

SPECIFICATIONS

	U.S. Measure	Metric Measure
MODEL 6081		
Pressure Range.....	0-20000 psi	0-1380 bar
Temperature Range.....	-4 - 212°F	-20 - 100°C
Fitting [Bottom Mount].....	1/2" NPT(M)	1/2" NPT(M)
Accuracy [FSD].....	±1-3%	±1-3%
Weight.....	2.90 lbs.	1.31kg
Dimensions		
Diameter	6.0"	152.4 mm
Depth	3.25"	82.6 mm
Full Height.....	7.0"	177.8 mm
MODEL 6085		
Pressure Range.....	0-1500 psi	0-105 bar
Temperature Range.....	-4 -140°F	-20 - 60°C
Fitting [Bottom Mount].....	1/4" NPT(M)	1/4" NPT(M)
Accuracy [FSD].....	±1-3%	±1-3%
Weight.....	7.38 oz.	.21kg
Dimensions		
Diameter	2.68"	68 mm
Depth	1.22"	31 mm
Full Height.....	3.5"	89 mm
MODEL 6087		
Pressure Range.....	0-6000 psi	0-415 bar
Temperature Range.....	-4 -140°F	-20 - 60°C
Fitting [Bottom Mount].....	1/4" NPT(M)	1/4" NPT(M)
Accuracy [FSD].....	±1-3%	±1-3%
Weight.....	7.38 oz.	.21kg
Dimensions		
Diameter	2.68"	68.1 mm
Depth	1.22"	31 mm
Full Height.....	3.5"	89 mm
MODEL 6097		
Pressure Range.....	0-3000 psi	0-210 bar
Temperature Range.....	-4 -140°F	-20 - 60°C
Fitting [Bottom Mount].....	1/4" NPT(M)	1/4" NPT(M)
Accuracy [FSD].....	±1-3%	±1-3%
Weight.....	7.38 oz.	.21kg
Dimensions		
Diameter	2.68"	68.1 mm
Depth	1.22"	31 mm
Full Height.....	3.5"	89 mm
MODEL 6127		
Pressure Range.....	0-4000 psi	0-275 bar
Temperature Range.....	-4 -140°F	-20 - 60°C
Fitting [Bottom Mount].....	1/4" NPT(M)	1/4" NPT(M)
Accuracy [FSD].....	±1-3%	±1-3%
Weight.....	7.38 oz.	.21kg
Dimensions		
Diameter	2.68"	68.1 mm
Depth	1.22"	31 mm
Full Height.....	3.5"	89 mm

SELECTION: Select a pressure gauge with a rating that exceeds the system operating pressure by at least 25%. This gauge is designed for the discharge line (high pressure side of system).

INSTALLATION: These pressure gauges are designed to monitor high pressure typically **read at the pump** or downstream to verify the performance of other components. To assure the operating pressure does not exceed the rated pump pressure, mount the **pressure gauge at the pump discharge manifold. Always read your system pressure at the pump or between the pump and regulating device.** Excessive pressure spikes may occur while the unit is in by-pass and could result in damage to the pump or void the warranty.

OPERATION: Best performance will be received from the gauge if used with system pressures up to 75% of maximum gauge rating. The pressure gauge automatically reads the system pressure during operation and will register pressure spikes, fluctuations and low pressure to allow you to monitor the performance of your system. Sudden changes or fluctuations in set system pressure or continued low pressure readings are the first signs that system maintenance is necessary.

NOTE: Safety blow-out back is standard feature only on model 6081.

MAINTENANCE: The pressure gauge is air tight and trouble free. Avoid overpressure, overheating, freezing or harsh chemicals to receive optimum life from your gauge. Replace when damaged.

TROUBLESHOOTING

Fluctuating pressure	<ul style="list-style-type: none">● Lack of liquid to pump.● Foreign object in valves of pump.● Worn seals or o-rings in pump or accessories.● Air leak in system.
Low pressure with gun open	<ul style="list-style-type: none">● Lack of liquid to pump.● Worn seals in pump.● Worn valves in pump.● Gauge's rubber orifice plugged.
Pressure spikes	<ul style="list-style-type: none">● Unloader or Regulator malfunction or improper adjustment.



CAT PUMPS

1681 - 94TH LANE N.E. MINNEAPOLIS, MN 55449-4324
PHONE (763) 780-5440 — FAX (763) 780-2958
e-mail: techsupport@catpumps.com
www.catpumps.com