

DATA SHEET

PRESSURE GAUGES



Brass Models: 6094, 6096



FEATURES

- Glycerine filled for consistent, accurate readings, shock, and pulsation protection.
- Hermetically sealed case eliminates corrosion risk and liquid or humidity within gauge.
- Built-in snubber to reduce pressure fluctuations.
- Install on pump discharge manifold to allow accurate monitoring of pump performance and enhance system safety.

SPECIFICATIONS

		U.S.	Metric
6094			
Pressure Range		0 - 1500 psi	0 - 103 bar
Temperature Range		-4 to 140° F	-20 to 60° C
Fitting (Rear Mount)		1/8" NPT(M)	1/8" NPT(M)
Accuracy (FSD)		±1 - 3%	±1 - 3%
Weight		2.62 oz.	.07 kg
Dimensions	Diameter	1.87"	48 mm
	Depth	1.87"	48 mm
6096			
Pressure Range		0 - 3000 psi	0 - 207 bar
Temperature Range		-4 to 140° F	-20 to 60° C
Fitting (Rear Mount)		1/8" NPT(M)	1/8" NPT(M)
Accuracy (FSD)		±1 - 3%	±1 - 3%
Weight		3.16 oz.	.09 kg
Dimensions	Diameter	1.73"	43.9 mm
	Depth	1.79"	43.9 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 fluctuations and low pressure. Sudden changes or fluctuations in set system pressure or continued low pressure readings are the first signs that system maintenance is necessary.

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

PROBLEM	PROBABLE CAUSE
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 snubber orifice plugged.
Pressure spikes	<ul style="list-style-type: none">• Unloader or Regulator malfunction or improper adjustment.

⚠ 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.



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