

# DATA SHEET

## PRESSURE GAUGES



**Brass Models: 6096, 991728**



Model 6096



Model 991728 with mounting bracket

### FEATURES

- Glycerine-filled dial ensures consistent, accurate readings, shock and pulsation protection.
- A hermetically sealed case eliminates the risk of liquid or humidity which can cause corrosion within the gauge.
- The design includes a built-in snubber to reduce pressure fluctuations.
- Gauge 991728 can be easily installed on an external panel with a panel mount bracket to allow accurate remote monitoring of the pump performance and enhance system safety.

### SPECIFICATIONS

SPECIFICATIONS		U.S.	Metric
<b>6096</b>			
Pressure Range		0–3000 psi	0–207 bar
Temperature Range		-4–140° F	-20–60° C
Fitting (Rear Mount)		1/8" NPT(M)	1/8" NPT(M)
Accuracy (FSD)		±1–3%	±1–3%
Weight		3.2 oz	0.09 kg
Dimensions	Diameter	1.87"	47.6 mm
	Depth	1.75"	44.5 mm
<b>991728</b>			
Pressure Range		0–1500 psi	0–103 bar
Temperature Range		-4–140° F	-20–60° C
Fitting (Rear Mount)		1/8" NPT(M)	1/8" NPT(M)
Accuracy (FSD)		±1–3%	±1–3%
Weight		4.0 oz	0.11 kg
Dimensions	Diameter	1.62"	41.3 mm
	Depth	1.87"	48 mm

## SELECTION

Select a pressure gauge with a rating that exceeds the system operating pressure by at least 25%. This gauge is designed for use on the high-pressure discharge side of a pumping system.

## INSTALLATION

These pressure gauges are designed to monitor high-pressure typically read at or downstream from the pump to verify the system operating pressure. To ensure the operating pressure does not exceed the rated pump pressure, mount the pressure gauge onto, or as close as possible to, the pump's discharge manifold. Always read your system pressure at or between the pump and the primary pressure regulating device. Excessive pressure spikes may occur while the unit cycles between operating and complete bypass, and could damage the pump or void the warranty.

## OPERATION

The gauge will perform best if system pressures are at most 75% of the maximum pressure gauge's rating. The pressure gauge automatically reads the system pressure during operation and will register fluctuations and low pressure. Sudden changes or fluctuations in the set system pressure, or continued low-pressure readings, are the first signs that system maintenance is necessary.

## MAINTENANCE

The pressure gauge is airtight and trouble-free. Avoid over pressurization, overheating, freezing or harsh chemicals to receive optimum life from your gauge. Replace the gauge if it is damaged.

## TROUBLESHOOTING

PROBLEM	PROBABLE CAUSE
Fluctuating pressure	<ul style="list-style-type: none"><li>• Lack of liquid to pump</li><li>• Foreign object in valves of pump</li><li>• Worn seals or O-rings in pump or accessories</li><li>• Air leak in system</li></ul>
Low pressure with gun open	<ul style="list-style-type: none"><li>• Lack of liquid to pump</li><li>• Worn seals in pump</li><li>• Worn valves in pump</li><li>• Gauge's snubber orifice plugged</li></ul>
Pressure spikes	<ul style="list-style-type: none"><li>• Unloader or Regulator malfunction or improper adjustment</li></ul>

### ⚠ CAUTIONS AND WARNINGS

All high-pressure systems require a primary pressure regulating device (e.g. regulator, unloader) and a secondary pressure relief device (e.g. 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/dynamic-literature/cautions-and-warnings](http://www.catpumps.com/dynamic-literature/cautions-and-warnings) or can be requested directly from Cat Pumps.

### WARRANTY

View the Limited Warranty online at [www.catpumps.com/literature/cat-pumps-limited-warranty](http://www.catpumps.com/literature/cat-pumps-limited-warranty)