

▼ Shown: GF-230P, GF-835P, GP-10S



- GF-Series gauges are calibrated with dual scale reading for pressure and force
- Excellent readability; 4 inch diameter gauge face
- Fast, easy installation
- GF-Series gauges are glycerin filled
- Stainless steel gauge cases for corrosion resistance
- GP-Series gauges are calibrated with dual scale reading for psi and bar

▼ A GP-10S gauge is used on this press to check the hydraulic pressure required to bend a steel plate.



## Visual References for System Pressure and Force



### Auto-Damper Valve V-10

For automatic control of gauge fluctuations, the V-10 Auto-Damper Valve controls the movement of the gauge needle by restricting oil flow in and out of the gauge. No adjustments needed.



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### Snubber Valve V-91

Infinitely adjustable for metering oil out of a gauge. The V-91 Snubber Valve is also suitable as a shut-off valve to protect the gauge during high cycle applications.

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Used With	
	All Cylinders
	All Cylinders
	All 5 ton RC Cylinders
	All 10 ton RC Cylinders
	All 25 ton RC Cylinders
	RC and RR 50 ton Cylinders
	12 ton RCH-Series
	RCH/RRH-20, 30 and 60 ton
	RCS-201, 302
	RCS-502, 1002
	25 ton Presses
	50 ton Presses
	25-50 ton Presses
	100 ton Presses
	150-200 ton Presses

# Hydraulic Force and Pressure Gauges



## Load Gauges

To measure external load supported by a cylinder or jack. For pressing parts together under pre-determined loads, weighing, testing, etc.

## Pressure Gauges

To measure the input pressure into cylinders, jacks or high pressure systems. Also for all testing applications.

**GP-Series** gauges are dry gauges.

**GF-Series** gauges are glycerin filled.

## GF GP Series



Pressure Range:

**0-15,000 psi**

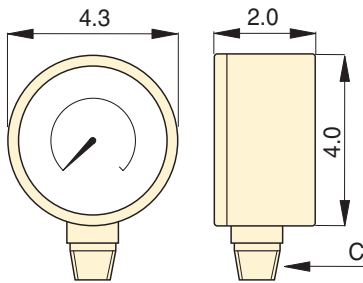
Face Diameter:

**4 inch**

Accuracy, % of full scale:

**± 1%**

## All Models






## Maximum Indicator Pointer

Indicator retains peak readings of pressure or force generated by the system.

Order model number:

**H-4000G.**

Can easily be installed on GP-Series dry gauges.

Gauge Type and Calibration					Units per Division	Model Number*	Thread C	Gauge Adaptor		
										
psi	bar	psi	lbs	tons			(in)	GA-1	GA-2	GA-3
0-10,000	0-700	-	-	-	100 psi, 10 bar	<b>GP-10S</b>	1/2 NPTF	●	●	
0-15,000	0-1000	-	-	-	200 psi, 10 bar	<b>GP-15S</b>	1/2 NPTF	●	●	
-	-	0-10,000	0-10,000	0-5	100 psi, 100 lbs, .1 ton	<b>GF-5P</b>	1/2 NPTF	●	●	
-	-	0-10,000	0-22,200	0-11	100 psi, 200 lbs, .2 ton	<b>GF-10P</b>	1/2 NPTF	●	●	
-	-	0-10,000	0-51,500	0-25.5	100 psi, 500 lbs, .5 ton	<b>GF-20P</b>	1/2 NPTF	●	●	
-	-	0-10,000	0-110,000	0-55	100 psi, 1000 lbs, 1 ton	<b>GF-50P</b>	1/2 NPTF	●	●	
-	-	0-10,000	0-27,000	0-13.5	100 psi, 200 lbs, .25 ton	<b>GF-120P</b>	1/2 NPTF	●	●	
-	-	0-10,000	-	0-23.5/36/65	100 psi, .5/5/1 ton	<b>GF-813P</b>	1/4 NPTF			●
-	-	0-10,000	-	0-22/32	100 psi, .5/5 ton	<b>GF-230P</b>	1/2 NPTF	●	●	
-	-	0-10,000	-	0-50/100	100 psi, 1/1 ton	<b>GF-510P</b>	1/2 NPTF	●	●	
-	-	0-10,000	0-51,500	0-25.5	100 psi, 500 lbs, .5 ton	<b>GF-20P</b>	1/2 NPTF	●	●	
-	-	0-10,000	0-11,000	0-55	100 psi, 1000 lbs, 1 ton	<b>GF-50P</b>	1/2 NPTF	●	●	
-	-	0-10,000	-	0-25.5/32.5/55	100 psi, .5/5/5 ton	<b>GF-835P</b>	1/4 NPTF			●
-	-	0-10,000	-	0-79/103	100 psi, 1/1 ton	<b>GF-871P</b>	1/4 NPTF			●
-	-	0-10,000	-	0-150/200	100 psi, 5/5 ton	<b>GF-200P</b>	1/4 NPTF			●

\* Metric scale Force Gauges are available by changing the "P" suffix to "B".

▼ Shown: H-4049L, G-2534R, G-4089L, G-2535L, G-4040L



## Visual References for System Pressure



### GA45GC Gauge Adaptor Assembly

45° angled gauge adaptor improves safety.

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### Gauge Adaptor

For easy gauge installation into almost any system, Enerpac offers a complete line of gauge adaptors.

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### Snubber Valve

Infinitely adjustable for metering oil out of a gauge. The V-91 Snubber Valve is also suitable as a shut-off valve to protect the gauge during high-cycle applications.

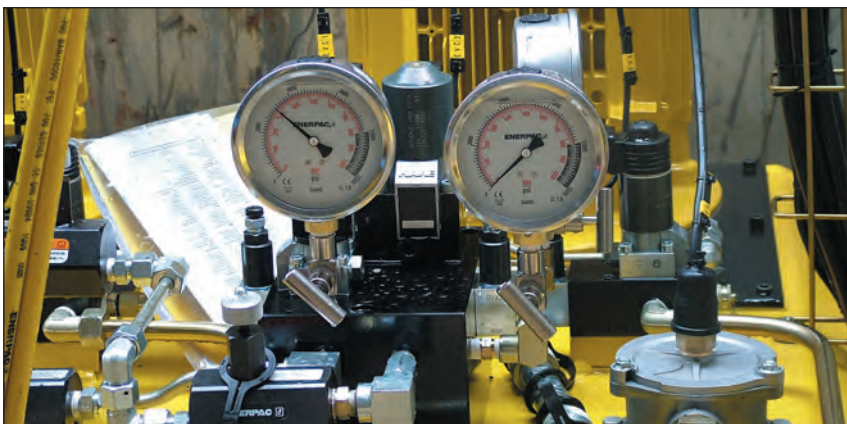
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### Glycerin Filled (G-Series)

- Calibrated in dual scale reading in psi and bar
- All pressure sensing parts sealed and dampened by glycerin for long life
- Includes safety blow-out disk and pressure equalizing membrane
- Gauge snubbers or needle valves recommended for high-cycle applications

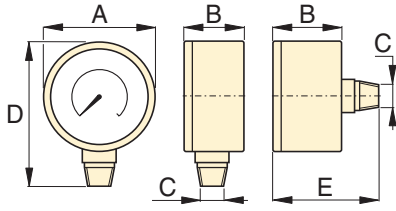
### High-Cycle Dry Gauges (H-Series)

- Calibrated in dual scale reading in psi and bar
- Ideal for use in many applications, specifically for high cycle and harsh environments
- Gauge snubbers or needle valves recommended to shut off gauge when not in use



◀ When lifting or pressing, always use a gauge. A gauge is your "window" to the system—it lets you see what's going on.

# Hydraulic Pressure Gauges



Dimensions (in)						
Face Diam.	Connection	A	B	C	D	E
2.5	Lower Mount	2.50	1.46	¼" NPTF	3.31	–
2.5	Center Rear	2.50	1.46	¼" NPTF	–	2.48
4.0	Lower Mount	4.0	1.15	¼" NPTF	4.80	–
4.0	Lower Mount	4.0	1.93	½" NPTF	5.38	–

Note: dimensions for reference only.

**G  
H  
Series**



Pressure Range:  
**0-15,000 psi**

Face Diameter:  
**2.5-4 inches**

Accuracy, % of full scale:  
**±1% and 1½%**



**Maximum Indicating Pointer**

Indicator retains peak readings of pressure or force generated by the system.

Order model number: **H-4000G**.

Note: For use on H-Series gauges only.

## ▼ SELECTION CHART

Gauge Series	Pressure Range		Model Number				Major Graduation		Minor Graduation		Major Graduation		Minor Graduation	
			Face ø 2.5" ¼ NPTF Lower Mount	Face ø 2.5" ¼ NPTF Center Rear	Face ø 4" ¼ NPTF Lower Mount	Face ø 4" ½ NPTF Lower Mount								
			(psi)	(bar)	Accuracy ±1½%	Accuracy ±1½%	Accuracy ±1%	Accuracy ±1%	(psi)				(bar)	
						(2.5")	(4")	(2.5")	(4")	(2.5")	(4")	(2.5")	(4")	
<b>G-Series</b>	0-100	0-7	<b>G2509L</b>	–	–	–	10	–	2	–	1	–	0,01	–
	0-160	0-11	<b>G2510L</b>	–	–	–	10	–	2	–	1	–	0,02	–
	0-200	0-14	<b>G2511L</b>	–	–	–	50	–	5	–	1	–	0,02	–
	0-300	0-20	<b>G2512L</b>	–	–	–	50	–	5	–	5	–	0,50	–
	0-600	0-40	<b>G2513L</b>	–	–	–	100	–	10	–	10	–	1	–
	0-1,000	0-70	<b>G2514L</b>	<b>G2531R</b>	–	–	100	–	20	–	10	–	1	–
	0-2,000	0-140	<b>G2515L</b>	–	–	–	500	–	50	–	10	–	2	–
	0-3,000	0-200	<b>G2516L</b>	–	–	–	500	–	50	–	50	–	5	–
	0-6,000	0-400	<b>G2517L</b>	<b>G2534R</b>	–	–	1000	–	100	–	100	–	10	–
	0-10,000	0-700	<b>G2535L</b>	<b>G2537R</b>	<b>G4088L</b>	<b>G4039L</b>	2000	1000	200	100	100	100	10	10
0-15,000	0-1000	<b>G2536L</b>	<b>G2538R</b>	<b>G4089L</b>	<b>G4040L</b>	3000	3000	200	200	100	100	20	20	
<b>H-Series</b>	0-10,000	0-700	–	–	<b>H4049L</b>	<b>H4071L</b>	–	1000	–	100	–	100	–	10

▼ Gauge shown: T-6003L



## T Series

Pressure Range:

**0-50,000 psi**

Face Diameter:

**6.4 inches**

Accuracy, % of full scale:

**± 1/2% and ± 1 1/2%**



### Cone Mount Gauge Adaptor

Contains fittings to connect .25" cone fitting gauge to .38" cone system.

Kit includes 43-301 tee, 43-704 gauge adaptor and 45-116 tubing.

Order model number: **83-011**.

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### Cone Mount Gauge Connector

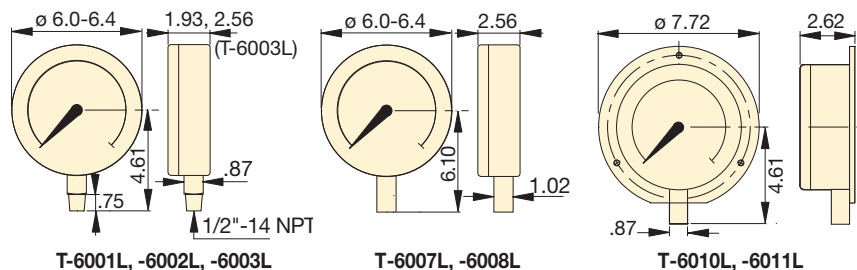
For connecting gauges with .25" cone fitting directly to model number 11-100 or 11-400 pump. May be used with other .25" cone systems.

Order model number: **43-704**

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- Calibrated for dual scale reading in psi and bar
- All gauges have spring-loaded backs with rubber blow-out plugs to protect case assembly in case of over-pressurization
- 40,000 and 50,000 psi models include flange mounting
- 1/2" NPTF versions are made of high-strength alloy steel
- .25" cone models are made of 316 stainless steel, with 403 stainless steel on 40,000 and 50,000 psi models
- Integral maximum indicator pointer standard on all gauges

▼ An Enerpac P-2282 hand pump equipped with a T-6011L test system gauge is used for proof pressure testing of hydraulic valves.



Pressure Range (psi)	Pressure Range (bar)	Model Number		Number Intervals (psi)	Graduation Intervals (psi)	Number Intervals (bar)	Graduation Intervals (bar)
		Alloy Steel 1/2" NPTF	Stainless Steel .25" Cone				
0-1,000*	0-70	T-6001L	-	100	10	10	1
0-5,000*	0-350	T-6002L	-	500	50	50	5
0-10,000*	0-700	T-6003L	T-6007L	1,000	100	100	10
0-20,000*	0-1400	-	T-6008L	1,000	100	200	20
0-40,000**	0-2800	-	T-6010L	5,000	200	500	20
0-50,000**	0-3500	-	T-6011L	5,000	500	500	50

\* Accuracy: ± 1/2%

\*\* Accuracy: ± 1 1/2%

# Digital, Hydraulic Pressure Gauges

▼ Gauge shown: **DGR-2**



## DGR Series

Pressure Range:  
**0-20,000 psi**

Voltage:  
**3 VDC (battery)**

Accuracy, % of full scale:  
**± 0.25%**

- Rated for system pressure up to 20,000 psi
- Displays in multiple units: psi, bar, mPA, kg/cm<sup>2</sup> (user selectable)
- Zero reset – ensures that gauge reads actual system pressure
- Batteries included, condition indicator on read-out
- IP65 rated case design
- Shut off selectable – menu driven
- UL listed, CE and RoHS compliant



### Back-lit Readout

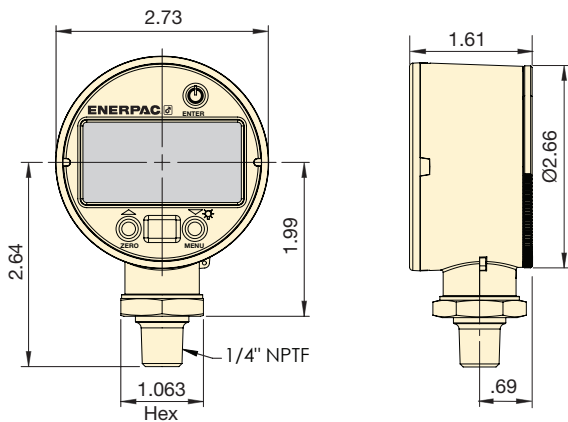
Back-lit readout allows easy reading in less than ideal lighting.



### Gauge Adaptor

For easy gauge installation into almost any system, Enerpac offers a complete line of gauge adaptors.

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Pressure Rating (psi)		Pressure Rating (bar)		Model Number	Pressure Rating (MPa)		Pressure Rating (Kg/cm <sup>2</sup> )	
Range	Resolution	Range	Resolution		Range	Resolution	Range	Resolution
0-20,000	1	0-1380	0.1	<b>DGR-2</b>	0-140	0.01	0-1400	0.1

▼ Greater accuracy and easier to read: enhance your ability to monitor and control hydraulic system pressure up to 20,000 psi.



▼ Shown: A45GC



## GA45GC Series

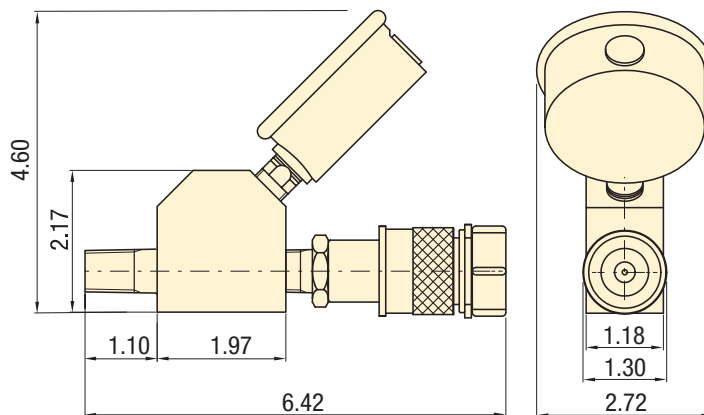
Maximum Operating Pressure:  
**10,000 psi**

Connection 1:  
**3/8" NPTF male**

Connection 2:  
**CR-400 Coupler**

**45° Angled gauge adaptor improves safe working conditions**

- 45° angled gauge improves visibility
- Slim and narrow design
- Easy to fit in a broad range of systems
- Maximize controlled load movement
- Glycerin dampened gauge with dual scale
- Enerpac high-flow female coupler



▼ *The Gauge Adaptor Assembly is the window to your system; allows easy reading of the pressure for safe operation.*



Model Number	Gauge Port	Male End	Female End	Gauge Range	
				(psi)	(bar)
GA45GC	G2535L	3/8" NPTF	CR-400	0-10,000	0-700