

## 3-1/2" (90 mm) LIQUID-FILLED MANIFOLD GAUGES (°F and °C) RED AND BLUE

With 1% accuracy (Class 1) calibration



Gauges are completely filled with glycerin for maximum protection from pulsation. Large 3-1/2" (90 mm) diameter gauge with refrigerants color-coded on the dials in bold numbers. Offset stem fits all major manifold brands.

- Now with zero adjustment
- 1/8" NPT Male connection
- Temperature rating of 0° to 122°F (-18° to 50°C)
- Calibrated to 1% accuracy (Class 1)



Universal Gauges (°F - Fahrenheit and °C - Celsius)			
UPC#	Description	Pressure scale	Refrigerants
49511	3-1/2" Red pressure	0-500 psi (0 to 34 bar)	R-22
49512	3-1/2" Blue compound	30"-0-120* psi (-1 to 8 bar)	
49519	3-1/2" Red pressure	0-800 psi (0 to 55 bar)	R-410A
49520	3-1/2" Blue compound	30"-0-300*** psi (-1 to 21 bar)	
49193	3-1/2" Red pressure	0-3000 psi (0 to 210 bar)	R-744
49194	3-1/2" Blue compound	30"-0-1500 psi (-1 to 105 bar)	

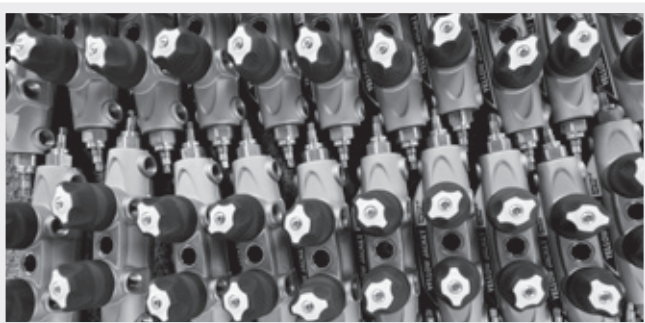
  

°F - Fahrenheit Gauges			
UPC#	Description	Pressure scale	Refrigerants
49513	3-1/2" Red pressure	0-500 psi	R-22/134a/404A
49514	3-1/2" Blue compound	30"-0-120l psi	
49515	3-1/2" Red pressure	0-800 psi	R-22/410A
49516	3-1/2" Blue compound	30"-0-300** psi	
49517	3-1/2" Red pressure	0-500 psi	R-134a/404A/407C
49518	3-1/2" Blue compound	30"-0-120* psi	

°C - Celsius Gauges			
UPC#	Description	Pressure scale	Refrigerants
49521	3-1/2" Red pressure	0-500 psi (0 to 35 bar)	R-134a/404A/407C
49522	3-1/2" Blue compound	30"-0-116* psi (-1 to 8 bar)	

\*Features retard protection to 350 psi.  
 \*\*Features retard protection to 500 psi.



## 2-1/2" (68 mm) MANIFOLD GAUGES (°F and °C) RED AND BLUE Class B



- Steel case with 3-2-3% accuracy
- High-visibility dials - colored temperature scales for easy reading;
- Flutterless™ technology surge protector minimizes the needle pulsation for improved accuracy
- 1/8" NPT Male connection

Universal Gauges (°F - Fahrenheit and °C - Celsius)			
UPC#	Description	Pressure scale	Refrigerants
49013	2-1/2" Red pressure	0 - 500 psi	R-134a
49014	2-1/2" Blue compound	30"-0-120** psi	
49035	2-1/2" Red pressure	0 - 800 psi/kg/cm <sup>2</sup>	R-410A
49036	2-1/2" Blue compound	30"-0-300*** psi/kg/cm <sup>2</sup>	
49053	2-1/2" Red pressure	0 - 55 bar (0-5.5 MPa)	R-410A
49054	2-1/2" Blue compound	-1 - 21 bar* (-0.1 - 2.1 MPa)	

°F - Fahrenheit Gauges			
UPC#	Description	Pressure scale	Refrigerants
49001	2-1/2" Red pressure	0 - 500 psi	R-12/22/502
49002	2-1/2" Blue compound	30"-0-120** psi	
49015	2-1/2" Red pressure	0 - 500 psi	R-22/134a/404A
49016	2-1/2" Blue compound	30"-0-120** psi	
49051	2-1/2" Red pressure	0 - 500 psi	R-134a/404A/507
49052	2-1/2" Blue compound	30"-0-120** psi	

°C - Celsius Gauges			
UPC#	Description	Pressure scale	Refrigerants
49027	2-1/2" Red pressure	kg/cm <sup>2</sup> and psi	R-12/22/502
49028	2-1/2" Blue compound	kg/cm <sup>2</sup> and psi	
49031	2-1/2" Red pressure	bar and psi	R-22/134a/407C
49032	2-1/2" Blue compound	bar and psi	
49033	2-1/2" Red pressure	bar and psi	R-22/134a/404A
49034	2-1/2" Blue compound	bar and psi	
49055	2-1/2" Red pressure	bar and psi	R-134a/404A/507
49056	2-1/2" Blue compound	bar and psi	
49057	2-1/2" Red pressure	kg/cm <sup>2</sup> and psi	R-134a/404A/507
49058	2-1/2" Blue compound	kg/cm <sup>2</sup> and psi	
49063	2-1/2" Red pressure	bar and psi	R-134a/404A/407C
49064	2-1/2" Blue compound	bar and psi	

\* Features retard protection to 35 bar  
 \*\* Features retard protection to 350 psi.  
 \*\*\* Features retard protection to 500 psi.  
 Note: Small screw in back is 6/32" x 5/32" Phillips pan head screw.  
 Note: Gauges not meant to be used with nitrogen.

Replacement Crystal - for 2 1/2" Gauges	
UPC#	Description
49010	Replacement crystal