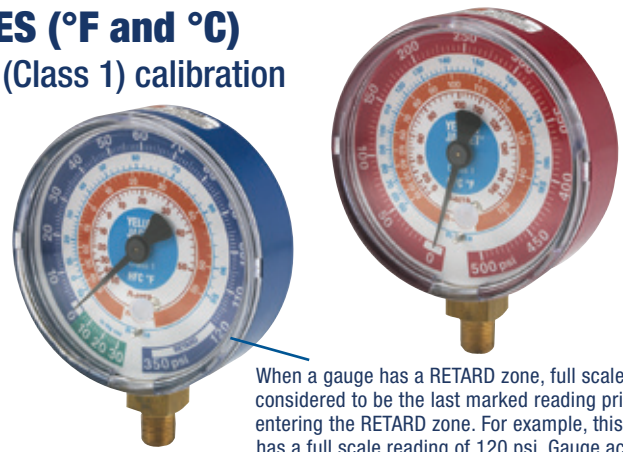


1. CHARGING SYSTEMS
 2. GAUGES
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3-1/8" (80 mm) DRY MANIFOLD GAUGES (°F and °C) RED, BLUE AND BLACK With 1% accuracy (Class 1) calibration

Large 3-1/8" gauges are housed in a red or blue steel case with front recalibrator screw. High visibility colored temperature scales are easy to read through the full view polycarbonate crystal.

- Flutterless™ technology with brass surge protector to minimize needle pulsation
- Brass gauge movement
- Copper alloy Bourdon tube
- 1/8" NPT Male connection
- Calibrated to 1% accuracy
- Color-coded red for pressure and blue for compound
- Color-coded refrigerant types



When a gauge has a RETARD zone, full scale is considered to be the last marked reading prior to entering the RETARD zone. For example, this gauge has a full scale reading of 120 psi. Gauge accuracy is not specified in the RETARD zone.

°F - Fahrenheit Gauges			
UPC#	Description	Pressure Scale	Refrigerants
49103	3-1/8" Red pressure	0 - 500 psi	R-12/22/134a
49104	3-1/8" Blue compound	30"-0-120** psi	
49105	3-1/8" Red pressure	0 - 500 psi	R-22/134a/404A
49106	3-1/8" Blue compound	30"-0-120** psi	
49111	3-1/8" Red pressure	0 - 500 psi	R-417A/422A/422D
49112	3-1/8" Blue compound	30"-0-120** psi	
49133	3-1/8" Heat pump red dial	0 - 800 psi	R-22/407C/410A
49134	3-1/8" Heat pump blue dial	0 - 800 psi	
49137	3-1/8" Red pressure	0 - 800 psi	R-22/404A/410A
49138	3-1/8" Blue compound	30"-0-350*** psi	
49151	3-1/8" Red pressure	0 - 500 psi	R-134a/404A/407C
49152	3-1/8" Blue compound	30"-0-120** psi	
49157	3-1/8" Red pressure	0 - 800 psi	Pressure only
49158	3-1/8" Blue compound	0-55 bar	
49603	3-1/8" Red pressure	0 - 500 psi	R-448A/449A/452A
49604	3-1/8" Blue compound	30"-0-120** psi	
49117	3-1/8" Red pressure	0 - 500 psi	R-32/454B/410A
49118	3-1/8" Blue compound	30"-0-120** psi	
Certified Gauges			
49203	3-1/8" Red pressure	0 - 500 psi	R-12/22/134a
49204	3-1/8" Blue compound	30"-0-120** psi	
49205	3-1/8" Red pressure	0 - 500 psi	R-22/134a/404A
49206	3-1/8" Blue compound	30"-0-120** psi	
49237	3-1/8" Red pressure	0 - 800 psi	R-22/404A/410A
49238	3-1/8" Blue compound	30"-0-350*** psi	
49251	3-1/8" Red pressure	0 - 500 psi	R-134a/404A/407C
49252	3-1/8" Blue compound	30"-0-120** psi	
49217	3-1/8" Red pressure	0 - 500 psi	R-32/454B/410A
49218	3-1/8" Blue compound	30"-0-120** psi	

Universal Gauges (°F - Fahrenheit and °C - Celsius)			
UPC#	Description	Pressure scale	Refrigerants
49109	3-1/8" Red pressure	kPa and psi	R-32/410A
49110	3-1/8" Blue compound	kPa and psi	
49141	3-1/8" Heat pump red dial	0 - 800 psi	R-410A
49142	3-1/8" Heat pump blue dial	0 - 800 psi	
49155	3-1/8" Red pressure	bar, psi and kPa	R-32
49156	3-1/8" Blue compound	bar, psi and kPa	
49159	3-1/8" Red pressure	bar and psi	R-32/410A
49160	3-1/8" Blue compound	bar and psi	
49259	3-1/8" Red pressure	bar and psi	R-32/410A
49260	3-1/8" Blue compound	bar and psi	

°C - Celsius Gauges			
UPC#	Description	Pressure scale	Refrigerants
49107	3-1/8" Red pressure	kPa and psi	R-22/134a/404A
49108	3-1/8" Blue compound	kPa and psi	
49169	3-1/8" Red pressure	bar and psi	R-22/134a/404A
49170	3-1/8" Blue compound	bar and psi	
49131	3-1/8" Red pressure	bar and psi	R-134a/404A/407C
49132	3-1/8" Blue compound	bar and psi	
49139	3-1/8" Red pressure	psi	R-22/404A/410A
49140	3-1/8" Blue compound	psi	
49145	3-1/8" Red pressure	bar and psi	R-12/22/502
49146	3-1/8" Blue compound	bar and psi	
49147	3-1/8" Red pressure	MPa	R-32/410A
49148	3-1/8" Blue compound	MPa	
49163	3-1/8" Red pressure	bar and MPa	R-134a/404A/407C
49164	3-1/8" Blue compound	bar and MPa	
49165	3-1/8" Red pressure	bar and psi	R-12/134a/413A
49166	3-1/8" Blue compound	bar and psi	
49181	3-1/8" Red pressure	bar and psi	R-134a/404A/407F
49182	3-1/8" Blue compound	bar and psi	
49601	3-1/8" Red pressure	0 - 500 psi	R-448A/449A/452A
49602	3-1/8" Blue compound	30"-0-120** psi	
49149	3-1/8" Red pressure	0 - 160 psi	R-600a/600/290
49150	3-1/8" Blue compound	30"-0-58* psi	
Certified Gauges			
49231	3-1/8" Red pressure	bar and psi	R-134a/404A/407C
49232	3-1/8" Blue compound	bar and psi	
49245	3-1/8" Red pressure	bar and psi	R-12/22/502
49246	3-1/8" Blue compound	bar and psi	
49263	3-1/8" Red pressure	bar and MPa	R-134a/404A/407C
49264	3-1/8" Blue compound	bar and MPa	
49265	3-1/8" Red pressure	bar and psi	R-12/134a/413A
49266	3-1/8" Blue compound	bar and psi	
49269	3-1/8" Red pressure	bar and psi	R-22/134a/404A
49270	3-1/8" Blue compound	bar and psi	

* Features retard protection to 101 psi.
 ** Features retard protection to 350 psi.
 *** Features retard protection to 500 psi.

Replacement Crystal - for 3 1/8" Gauges

UPC#	Description
49100	Replacement crystal