


CO₂ Test and Charging Manifold



Manifold and hoses designed specifically for transcritical CO₂ (R-744) applications

The YELLOW JACKET® TITAN™ Test and Charging Manifold for transcritical CO₂ systems is constructed with a forged aluminum alloy body making it lightweight for handling ease and durability. No sightglass means added safety. It features true 45° SAE flare hoses 78" in length.

- Large, easy-to-read 3-1/8" (80 mm) liquid-filled red and blue, 1% accuracy (Class 1) gauges; psi/bar
- Proven, double "O"-ring piston for reliability and long service life.
- Exclusive 100 mesh filter in-line on all flare fittings helps keep out particulate material and extends the life of the seats.
- Fourth hose to enable connection to hi/lo sides, refrigerant tank, and vacuum pump for diagnostics, evacuation and charging without switching hoses.
- 3/8" vacuum port for use with larger hose to cut evacuation time by up to 33% (all other fittings on unit are 1/4").
- Dedicated transcritical CO₂ hose 78" (200 cm) in length
- Designed and assembled in the U.S.A. 

Specifications:

- Scales: LP 30 in. Hg/1500 psi (-1/+105 bar), -60° to 85°F (-52° to 30°C)
HP 0/3000 psi (0/210 bar)
- 4-Valve forged aluminum body
- Precision stainless steel valve feed screws
- No sight glass for added safety
- Class 1, 3-1/8" (80 mm), oil-filled, pulse-free
- Fittings: (3) 1/4"; (1) 3/8" (vacuum application only)
- Hoses: Three (3) black, 78" (200 cm), 1/4" SAE fittings (45°)
 - > Operating pressure 1740 psi (120 bar)
 - > High pressure copper gaskets
 One (1) yellow, 78" (200 cm), 3/8" SAE fittings
 - > Operating pressure 594 psi (41 bar)
 - > Neoprene built-in gaskets

UPC #	Description
45925	TITAN CO ₂ Manifold with (3) black and (1) yellow hoses
45922	CO ₂ , 78" (200 cm) black replacement hose (single)
45923	Nylon CO ₂ Manifold bag with handle and straps (optional)
14579	3/8" 78" (200 cm) yellow replacement hose (single)
49193	High pressure replacement gauge
49194	Low pressure replacement gauge

Carbon Dioxide Gas Leak Detector



Fully automatic, small size, low power requirements and high sensitivity to locate the most difficult-to-find leaks

The YELLOW JACKET® Carbon Dioxide Gas Leak Detector is the most technologically advanced of its kind. The patented infrared sensor will make false alarms a thing of the past when finding even the smallest leaks in R-744 systems and CO₂ specific applications.

Whether servicing commercial refrigeration systems, finding a leak in a restaurant soda machine, or pinpointing a minute leak in a room filled with CO₂ at a bulk CO₂ manufacturing facility, this detector stands alone when it comes to ease of use, quality of response, and high sensitivity levels with no false alarms.

Features:

- Lightweight, ergonomic design.
- Simple, one button operation.
- Two sensitivity modes, enabling quick and easy location of large and small leaks.
- Sturdy blow-molded carrying case.
- Both visual and audible leak detection signal.
- Long Battery Life - 4 AA batteries provide 20 hours of operation. Low battery indicator.
- Automatic power-off to conserve battery life.

Specifications:

Dimensions	8 x 2.5 x 2.25" (20.3 cm x 6.3 cm x 5.7 cm)
Weight	15 oz. with Batteries (425 grams)
Batteries	4 x 1.5V 'AA' Alkaline Batteries (6 VDC)
Battery Life	20 Hours
Sensitivity	High: Less than 400 ppm over ambient Low: Less than 4000 ppm over ambient
Operating Temperature	32° - 122° F (0 - 50° C)
Warm-up Time	10 seconds
Calibration	Automatic
Response Time	1 second
Reset Time	1 second
Probe Length	12" (30 cm)

Applications:

- CO₂ refrigeration service
- Carbonated beverage delivery systems
- Wineries, breweries, and bakeries
- Bulk CO₂ manufacturing, delivery, and service
- General leak detection (using CO₂ as test gas)
- And many more...

UPC #	Description
69396	CO2 Leak Detector
69397	Replacement Filter
69398	Replacement Sensor



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