


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
- Made in 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 |



Ritchie Engineering Co., Inc.
YELLOW JACKET Products Division
10950 Hampshire Avenue South
Bloomington, MN 55438-2623 USA
Phone: (800)769-8370 or (952)943-1333
e-mail: custserv@yellowjacket.com
www.yellowjacket.com

