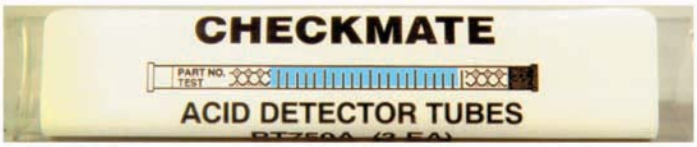
CHECK MATE

REFRIGERATION
TECHNOLOGIES

REAL TIME Refrigerant Analysis

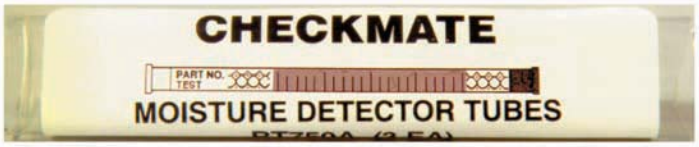
THE CHECKMATE METHOD

Used by Service Technicians and Refrigerant Reclaimers...Worldwide



Range: 0-2.0 ppm
Color Change: Blue to Yellow/White

Test Results: Acidic Refrigerant
Reading: 1.5 ppm
Accuracy: +/- 0.20 ppm



Range: 0-30 ppm
Color Change: Lt. Brown to Lavender

Test Results: Wet Refrigerant
Reading: Greater than 10 ppm
Accuracy: +/- 2.5 ppm

ACCURATE - RELIABLE - ON SITE TESTING

The Acid and Moisture level of Refrigerant Gas are measured independently. Knowing the purity of Refrigerant is vital information. The technician must determine if the Refrigerant can be **immediately reused** or needs to be **cleaned up**.
In ***System Diagnostics,*** the test results obtained by the Refrigerant profile can be correlated to the findings of the Compressor Oil examination, or visa versa.

Our Detector Tubes are Calibrated with "Certified Refrigerant Gas" Prepared by ARI Approved Laboratories

The Easy Oil Test

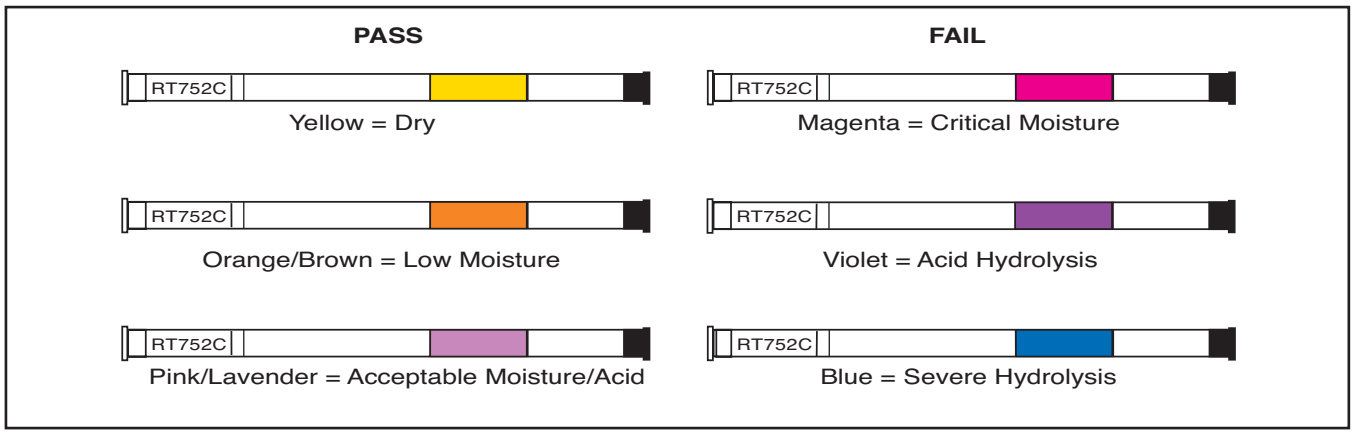
The Bulk of all Contaminants are dissolved in the Compressor Oil

FEATURES

- Displays the Full Range of System Contaminants
  (via Dielectric Strength)
- Requires only One Drop of Oil
- Oil is Easily Extracted from a "Sealed System"
- One Test for all Oils - MO, AB, PAG or POE
- Simple Color Comparison Chart

The levels of Contamination Revealed by the *NEW* Oil Detector Tube Method

Using the Checkmate Devise, a drop of Oil can be 'milked' off the suction side of a system. The oil will be seen wetting through the Detector Tubes' Transfer Agent. As the Oil passes through the Transfer Agent a dye fraction will release and stain the Indicator segment.



IN SYSTEM DIAGNOSTICS

A good Compressor Lubricant will have a high "*Dielectric Strength*", and will last a long time if properly maintained.

TO PRE-TEST OIL

Moisture absorption can change the Oils' electrical conductive properties, a potentially damaging dielectric condition.

Quality Construction

No Glass to Break - Tubes will automatically be pierced when fully assembled

The Detector Tubes
Rubber Septum Sealed
Heavy Wall Pyrex Glass
Fire Embossed Graduations
Packed Under Dry Nitrogen

The Checkmate Device
Brass Body
Recessed Viewing Track
Stainless Steel Needles
Extension Hose

The Contamination Detector Kit

- Complete
- Ready to Use
- Durable
- Affordable

REFRIGERATION TECHNOLOGIES

Advanced Materials & Applications for the HVARC Industry

Fullerton, CA 92831

U.S. Patent No. 5,419,177
and other Pats Pending

Printed in USA

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