Overview:
T-handle vacuum gauges available to monitor filter condition. As a filter slowly becomes clogged with contaminants, restriction (resistance to flow) increases. Because of this restriction, more air is mixed with fuel and less fuel is delivered to the engine (fuel de-gassing). This will result in loss of power and eventually stall the engine.

Installing a T-handle Vacuum Gauge in your fuel system gives you a visual monitor of your filter condition. Excessive resistance on the gauge means it’s time to change the filter.

Contact Information:
Parker Hannifin Corporation
Racor Division
P.O. Box 3208
3400 Finch Road
Modesto, CA 95353

phone 800 344 3286
209 521 7860
fax 209 529 3278
racor@parker.com

www.parker.com/racor
www.parker.com/racorproducts

Product Features:
- Rotatable bezel ring to set the change-out line.
- 1/4” NPT threads.
- 9/16”-18 UNF fitting included.
- Red tell-tale pointer follows black restriction pointer to highest reading. Reset, using center knob.
- Black restriction pointer.
RK 11-1669 Overview

Specifications

<table>
<thead>
<tr>
<th>Application</th>
<th>For 900 and 1000 Filter Assemblies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thread Size</td>
<td>1/4&quot; NPT bottom boss mount</td>
</tr>
<tr>
<td>Fitting Thread</td>
<td>9/16&quot;-18 UNF</td>
</tr>
<tr>
<td>Dimensions</td>
<td>2.0&quot; W x 1.1&quot; D</td>
</tr>
<tr>
<td>Dial</td>
<td>2 in. (5.1 cm)</td>
</tr>
<tr>
<td>Weight (dry)</td>
<td>0.3 lb (0.1 kg)</td>
</tr>
<tr>
<td>Ambient Temperature Range</td>
<td>-40°F to +250°F (-40°C to +121°C)</td>
</tr>
</tbody>
</table>

Special Notes: For severe vibration applications, mount gauge on a stable, remote location and connect to the source using flexible tubing. After September 1999, Racor converted many liquid-filled gauges to new silicone dampened movement. This new (dry) technology provides a vibration resistant design that never leaks fluid or requires adjustments due to temperature or altitude variations.

Installation Guidelines

It is recommended to remove any dirt or debris from the filters lid before installation.

1. Remove existing T-handle.
2. Attach vacuum gauge to adapter fitting (if not already done) using a thread sealant.
3. Apply Parker Supper O-lube (part number RK 31605) or clean motor oil onto o-ring.
4. Install O-ring (part number 11350) carefully onto adapter.
5. Install the gauge adapter assembly into the top of lid Hand Tight. You may need to orient gauge within the adapter body to face the appropriate direction.

Note: Do not use thread tapes as loose particles may work out and flow into the fuel system.
Service Instructions

The actual reading at which you should change the filter will depend on many factors as fuel systems vary so greatly. As a rule, many pumps have trouble delivering fuel to the engine when restriction reaches 7”-10” of mercury (inHg). Some falter much earlier, some later. Carry an extra Racor filter (or two) and at the first indication of power loss -usually at high RPMs- pull over and note the gauge reading. This should provide an idea when future service is needed. Replace dirty filter with a new Racor filter at the earliest opportunity.

Mounting Information

Rotating bezel ring to set the red change-out line.

Center Reset Knob

1/4” NPT Threads

11350 T-handle o-ring

9/16”-18 UNF Threads

11-1668 Fitting

RK 11-1676E Vacuum Gauge

Black Restriction Pointer

1.0 in. (2.6 cm)

Note: Do not use this kit for USCG inspected marine applications: Order Kit number 1606B for dash-mounted gauge.
Limited Warranties Statement

All products manufactured or distributed by Racor are subject to the following, and only the following, LIMITED EXPRESS WARRANTIES, and no others: For a period of one (1) year from and after the date of purchase of a new Racor product, Racor warrants and guarantees only to the original purchaser-user that such a product shall be free from defects of materials and workmanship in the manufacturing process. The warranty period for pumps and motors is specifically limited to ninety (90) days from date of purchase. A product claimed to be defective must be returned to the place of purchase. Racor, at its sole option, shall replace the defective product with a comparable new product or repair the defective product. This express warranty shall be inapplicable to any product not properly installed and properly used by the purchaser-user or to any product damaged or impaired by external forces.

THIS IS THE EXTENT OF WARRANTIES AVAILABLE ON THIS PRODUCT. RACOR SHALL HAVE NO LIABILITY WHATSOEVER FOR CONSEQUENTIAL DAMAGES FLOWING FROM THE USE OF ANY DEFECTIVE PRODUCT OR BY REASON OF THE FAILURE OF ANY PRODUCT. RACOR SPECIFICALLY DISAVOWS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ALL WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE (EXCEPT FOR THOSE WHICH APPLY TO PRODUCT OR PART THEREOF THAT IS USED OR BOUGHT FOR USE PRIMARILY FOR PERSONAL, FAMILY, OR HOUSEHOLD PURPOSES), WARRANTIES OF DESCRIPTION, WARRANTIES OF MERCHANTABILITY, TRADE USAGE OR WARRANTIES OR TRADE USAGE.

Warning
Failure or improper selection or improper use of the products and/or systems described herein or related items can cause death, personal injury and property damage. This document and other information from Parker Hannifin Corporation, its subsidiaries and authorized distributors provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application and review the information concerning the product or system in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the applications are met.

The products described herein, including with limitation, product features, specifications, designs, availability and pricing, are subject to change by Parker Hannifin Corporation and its subsidiaries at any time without notice.

The following statement is required pursuant to proposition 65, applicable in the State of California: ‘This product may contain a chemical known to the State of California to cause cancer or reproductive toxicity’.