

## Detect Free Water in Aviation Fuel

### FEATURES

- **Easy to Use** – Automatically controls the sample size. Simple evaluation by color comparison.
- **Shelf Life** – One year shelf life. Refer to date on box.
- **Responds Consistently** – Responds consistently in a wide variety of aviation jet fuels.
- **Carefully Controlled Quality** – Manufactured by Velcon Filters, Inc. to strict quality control specifications.

### DESCRIPTION

The HYDROKIT® is an effective “Go, No-Go” field test designed to periodically check for free water, which is removed to ppm levels by properly operating filter/separators, **Aquacon**®, and monitor vessels. Samples are normally taken downstream of the vessel, but they can also be taken at other points in the fuel distribution system.

The HYDROKIT® is designed to indicate free water in excess of 30\* ppm by changing the powder contained in the sample tube to a pink color. Thirty ppm is generally accepted as the maximum amount of water permissible when fueling aircraft. The HYDROKIT® is designed for “fail-safe” operation, with false negative readings unlikely. Almost any error in performing the test will indicate the presence of wet fuel. If the sample indicates the presence of excessive water, it is always a good practice to repeat the test on a second sample.

### APPLICATIONS

- Aviation Jet (Turbine) Fuels
- Not for use with Avgas or Diesel Fuel



### ORDERING INFORMATION

MODEL NO.	QTY OF TEST TUBES	
HK600@	600	(6 ea. HK100)
HK600-15	600	(6 ea. HK100-15 15 ppm sensitivity)
HK100@	100	
HK100-15	100	(15 ppm sensitivity)
HK25	25	
HK25-15	25	(15 ppm sensitivity)
HK3	3	
HK3-15	3	(15 ppm sensitivity)

Each model above comes complete with:  
 sample tubes  
 wide mouth glass sample jar(s)  
 needle holder assembly  
 instruction card  
 color indicator comparison card

\*in excess of 15 ppm in HKxx-15 tubes. These tubes are used where ATA-103 requirements are specified at 15 ppm of water maximum.

# How To Use HYDROKIT®

- 1**  
Sample bottle  
must be clean.



- 2**  
Take sample  
downstream of  
vessel.



- 3**  
Push tube down  
into needle holder  
in sample.



- 4**  
After tube fills,  
shake for  
15 seconds.  
Set upright  
to allow powder  
to settle.



- 5**  
Check powder  
color at  
two minutes.



- 6**  
If color is the  
same or darker  
than FAIL,  
more than  
30\* ppm  
of free water  
is present.



\*(15 ppm of free water  
in HKxxx-15 tubes.)

**Velcon**

Velcon products are sold and serviced by a world-wide representative network. To order, contact Headquarters or your LOCAL REPRESENTATIVE:

COMPANY HEADQUARTERS:  
Velcon Filters, Inc.  
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