



# **CAMERON GREAT LAKES, INC.**

## **MOLECULAR FILTRATION SPECIALISTS**

### **VAPORTRAP ZK6 (DF)**

#### **APPLICATIONS**

A DISPOSABLE V-BANK FILTER SPECIFICALLY DESIGNED FOR THE REMOVAL ACID GASES and FORMALDEHYDE

#### **FILTER SPECIFICATIONS**

<b>RATED AIR VELOCITY, Maximum</b>	<b>500 FPM</b>
<b>AIR FLOW RESISTANCE, Maximum</b>	<b>0.45 IWG .050 with dusting filter</b>
<b>FIRST PASS REMOVAL EFFICIENCY</b>	<b>&gt; 95 %</b>
<b>MEDIA WEIGHT, Minimum ( 24 x 24 cell)</b>	<b>66 POUNDS</b>

#### **Residence Time**

<b>500 fpm</b>	<b>.08 seconds *</b>
<b>375 fpm</b>	<b>.11 seconds</b>

\* The minimum recommended residence time for high efficiency gas phase filters is .07 seconds. While the filter can be operated at higher velocities it will cause overall filter efficiency to decrease

#### **CONSTRUCTION**

- Adsorber shall be constructed of multiple media filled panels, arranged in a V-Bank configuration and sealed in a polished aluminum frame.
- Individual panels shall be 0.75 inches thick and made of galvanized steel expanded metal with polypropylene supports.
- Panels shall be fastened to the frame. Frame shall be fully lined with gasket to prevent bypass.
- Vapor Trap filters shall be individually sealed in a plastic bag, and placed in individual cartons at the factory.
- DF: downstream dusting filter

Filter life expectancy is dependent upon several factors. Contaminants present and their concentration, humidity in the air stream and filter efficiency. Life expectancy of the filter is proportional to the weight of media in the filter. The more media the longer the life. In general commercial applications the VT242412ZK6 is expected to last between 1 and 2 years.

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