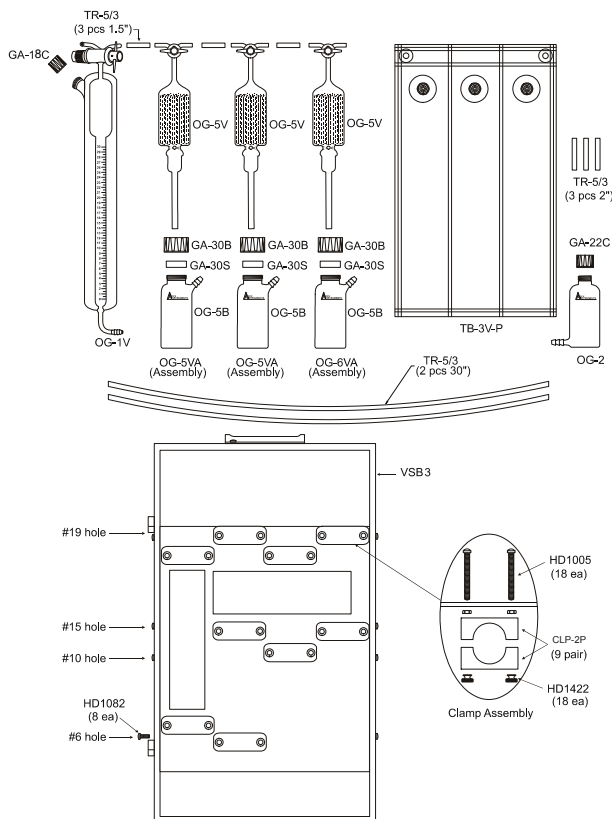
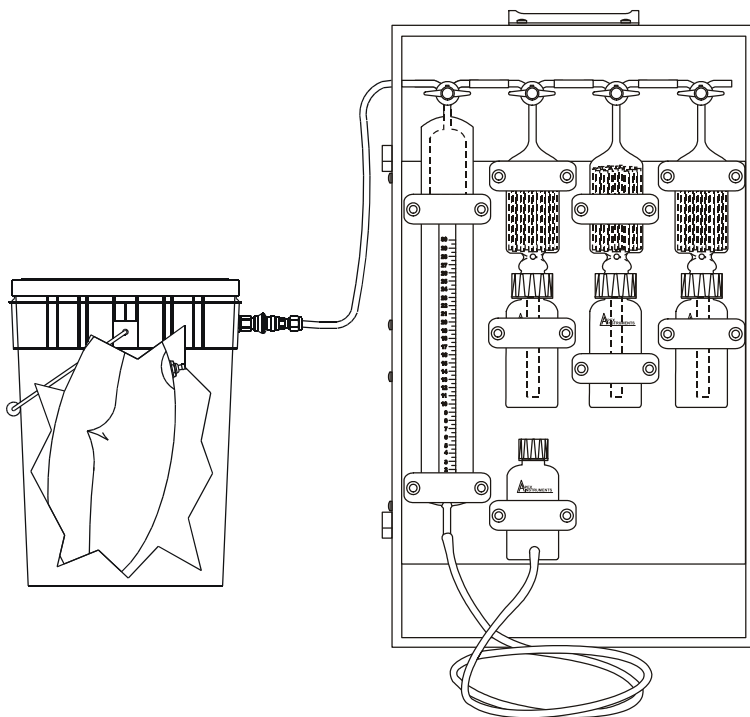


### Method 3 Orsat #VSC-33 Packing List



<b>Method 3 (Orsat) Kit contains:</b>			
<i>Part#</i>	<i>Description</i>	<i>Quantity</i>	<i>Qty Shipped</i>
VSB3	VersaCase 3, 14" Hinged, Removable with doors	1	
TB-3V-P	Three Compartment Tedlar Bag	1	
OG-1V/18	Burette with Valve, PFA Valve Body	1	
GA-GL-18C	Solid Cap with #18 Threads and Seal	1	
OG-2	Aspirator Bottle	1	
TR-5/3	Black Rubber Tubing, 5/16" OD x 3/16" ID	9ft	
GA-22C	Solid Cap with # 22 Threads and Seal	1	
OG-5V	Valved Contact Pipette Insert	3	
OG-5B	Pipette Bottle with hose barb	3	
GA-30B	Bored Cap with #30 Threads	3	
GA-30S	Silicone Seal Ring with 22mm ID	3	

**Orsat (#VSC-33)**  
**Method 3 - Determination of Dry Molecular Weight**



**Method 3 Orsat Analyzer with Optional Rigid Bucket for Tedlar Bag**

The Orsat Analyzer is designed specifically for Method 3 for analysis of integrated or grab bag samples collected in Tedlar® bags. This will determine percent CO<sub>2</sub>, percent O<sub>2</sub>, and if necessary, percent CO concentrations from fossil fuel emission sources.

The analyzer set-up, as illustrated above, consists of the following components:

- Rigid Bucket that contains a Tedlar® gas expansion bag that is connected to the train by the quick-connect attached to the outside of the bucket as is used in integrated gas sampling. (Optional)
- The following components are contained in the VersaCase III as shown above using the support brackets.
- Graduated Glass Burette which is water jacketed for temperature stability,
- Three glass Absorption Pipettes containing absorbing reagents,
- The three pipettes are connected to the 3 compartment Tedlar® bag, which is hung behind the pipettes, by way of the valves on the gas expansion bag,
- and a liquid filled Leveling Bottle that is used to move the sample through the Burette and Pipettes.

***Assembly Instructions in Operators Manual***