

# INTRODUCTION

This Reference Manual was compiled from the various Manufacturers literature to help those in the backflow field who must repair backflow prevention assemblies. Older models no longer produced and current models will be shown. This Manual will list assemblies that may or may not be approved or used in your area. Always check with the local administrative authority to be sure if the particular assembly has the necessary approvals for use in your area.

We want you to take a minute to become familiar with the format of the Manual to understand how to access the many layers of information. To find information on any assembly, first be sure you have the manufacturer, model, size and sometimes the serial number of the assembly you wish to look up. Then go to the **table of contents** where the manufacturers are listed alphabetically and are listed by chapter numbers from 1 to 24. Under the **bold listing for each manufacturer**, the models that each manufacturer has produced will be listed. The last sentence of each manufacturer's listing will have the page number for the **repair information section**. The repair information for all models is grouped together at the end of each of the manufacturer's chapter in the Manual. Remember some models have been produced by more than one manufacturer over the years. Once you find the main model number look over to the right side and find the appropriate page number for the title page of the model.

Now look for the orange tab with the manufacturers name. Turn to the Manufacturers Chapter in the Manual and locate the title page for the model you are looking for. Each model has a **Title Page** as referenced in the table of contents. This title page is designed to give you the vital information on each model starting with the **Sizes** available, a quick **Description** of the important points of the assembly construction, then a list of the **Basic Repair Kits** for that model. Some title pages will have more than one model number listed at the top. This is done when the models are similar enough in construction to be listed together, or are a modification of a specific model. In reading the information on an assembly, many times it is mentioned that one assembly is similar to another model. When this is noted, be sure to read the information on both models so you have as much information as possible. After the description of the model a listing of the basic repair kits will be shown. This is by no means a list of all parts available, but is a list of the basic repair kit to rebuild the whole assembly. After some of the part numbers there may be a couple symbols noted that are important. If an asterisk (\*) appears, this signifies that the manufacturer does not make a complete repair kit for that model. Typically the manufacturer produces several kits, or individual parts which are sold separately, not in a complete kit. BAVCO in our continuing effort to help the repair technician, has compiled those commonly needed kits or individual parts and assembled a complete repair kit number for ease of ordering. Some models have a black diamond (◆) listed after the part number. In these cases the manufacturer no longer produces parts or kits for that model. At the bottom of the title page, there is a heading called **Important Features**. This section will list bulleted features of each model. The last sentence will have a line stating

**Factory Repair Information Enclosed**, if the factory written repair information is included for this model in the Reference Manual. It is always good to review any and all information before you repair any assembly. Some pages will have a sentence stating "Factory Repair Information Available". This means the factory repair manual is not included in your BAVCO Reference Manual because it is a relatively rare model that is usually not seen in the field. When so listed, BAVCO does have and can provide the repair information at your request.

After the title page, the next set of pages will have the detailed information on each model. The construction **materials, temperature and pressure rating, specifications and dimension** sheets will be shown. Be aware, all dimension are produced and provided by the various manufacturers and listed dimensions may vary from actual production units in some cases. The next set of information will show the internal assembly component and **parts breakdowns** of the assembly. Parts will be shown in an exploded view format. The parts will be listed with item numbers and descriptions. When repairing a backflow prevention assembly, the basic repair kit is usually what is needed as referenced on the title page. Sometimes, due to different factors, other repair parts may be needed. If you find you require parts other than the basic repair kit, look to the parts breakdown and refer to the corresponding item numbers and descriptions of that part.

BAVCO is the largest Master Parts Distributor of backflow preventer repair parts. BAVCO has spent the last 35 years providing unequalled customer service, repair parts and information to the backflow technician. BAVCO has compiled this Reference Manual to assist the technician working on assemblies in the field. We will gladly answer any question on repair or installation concerns of backflow assemblies you may have. Our customer service people can be reached at 800-458-3492. We would like to thank the many manufacturers for their help in making the information on the various assemblies available. All dimensions, specifications, and breakdowns are produced by the manufacturers and the accuracy is solely the manufacturers responsibility. Assembly dimensions are approximate and may vary from actual.

## **To Order Repair Parts**

Be sure to have the manufacturer, model and size of the assembly you need repair parts for. Some models, a serial number can clarify correct variations of parts. Do not worry about having repair part numbers when ordering. Part numbers change and are often modified. Many parts are available in different combinations of kits. Rely on our customer service personnel to help with the correct repair part and part number for the parts you will need. To order repair parts, first have a clear idea of what you are looking for either basic repair kits or individual repair parts. Usually the Basic Repair Kit is all that is needed, but if you need additional parts have the item number and description of the needed part ready when you call. BAVCO can be reached at 800-458-3492 or [info@bavco.com](mailto:info@bavco.com)