DISCLAIMER:

The Plast-O-Matic Series PDS Pulsation Dampener and Surge Suppressor -- also referred to as a Water Hammer Arrestor and Pump Inlet Suction Stabilizer -- is a pressure vessel. It must be suitable for use with the pump and piping system.

The following factors must be considered prior to installing:

- System Pressure & Temperature
- Ambient Temperature
- Pipe Size and Vessel Capacity
- Bladder Material Compatibility
- Compatibility with Pump
- Chemical Compatibility of Media
- Other Factors Unique to the Application

Plast-O-Matic PDS Dampeners and Suppressors are specified by body material, seal material, and vessel capacity. Selection of these, as well as the suitability and the capacity and/or quantity of units required for any application must be determined by the user. Although the data and selection charts provided are believed to be accurate, these were determined in a controlled laboratory test environment and are not necessarily suitable for every application or pumping process.

Your application may have variables that affect the performance of the material. Plast-O-Matic presents this information and any links solely as a convenience. Your distributor can help with compatibility questions, and you are welcome to contact our Technical Group at (973) 256-3000, but the ultimate determination of suitability of any information, product or material, for use contemplated by the user, the manner of that use, and whether there is any infringement of patents, is the sole responsibility of the user. To the extent that any hazards are listed, we neither suggest nor guarantee that such hazards are the only ones that exist.

Temperature & Pressure: Plast-O-Matic provides generic operating pressure and temperature derating charts as a general guideline only. The ultimate determination of the pressure and temperature suitability of a suppressor/dampener in the user's application is the sole responsibility of the user.

Body & Seal Materials: There are many variables that affect success or failure of a particular material with any given chemical, including concentration, temperature, and the specific compound of the plastic. A material deemed suitable for a specific application is not necessarily suitable for every application, nor that every version of that material is suitable. Plastic compounds vary between manufacturers, and the design of the PDS and the pump and piping system may affect compatibility as well.

It is important to note that any information obtained should be used only as a guide. In many cases a physical test of the material and product under operating conditions is the only way to ensure the success of a particular material for that application.

Vessel Capacity & Bladder Compatibility Warning: Use of an improper, insufficient or incompatible dampener/suppressor may be extremely dangerous. Incorrect or inappropriate use may result in leaks, system failure, hazardous emissions, explosions, property damage, personal injury or death.

We recommend that anyone intending to rely on any recommendation, or use of any equipment, processing technique, or material mentioned in this website/documentation, linked websites, accompanying documentation, or manufacturer's claims, should satisfy themselves as to suitability, and that all applicable health and safety standards are met. We strongly recommend the user seek and adhere to material manufacturers' and chemical suppliers' current instructions for installation and handling. Determination of and adherence to all of these is the responsibility of the user.

The only guarantee given by Plast-O-Matic Valves, Inc. with respect to its products is set forth on the company website (www.plastomatic.com) or is available directly from Plast-O-Matic Valves, Inc.