



Additional Instructions for "CE" Marked Products – FAS Family

OVERVIEW: The information listed in this document must accompany the Installation Instructions for the OSECO Product Lines approved for the CE symbol. This information will address the possible residual hazards of OSECO's approved products in accordance with the requirements of the PED and EN ISO 4126-2.

FAS Product Line with FRDI/FRDH/OTU Type Holders

The FAS is designed to be a fail-safe product in that if installed upside down in either the holder or installed correctly in the holder and the assembly installed upside down, the disk will burst below the name plate rating. Thus the system pressure will never be greater than the name plate rating of the FAS rupture disk protecting the system without rupturing the disk in either the forward direction or the reverse direction.

This same course of action will occur if the FAS is damaged in some manner, i.e., some object impacts the FAS disk dome changing the stress resisting characteristics. Examples of this type of damage are placing the disk dome down on a work surface, resting hand tools on the disk dome, dropping the disk on the edge, forcing the dome into the inlet instead of placing the outlet over the dome, etc. These examples are listed for illustration only and do not preclude other similar actions during handling of the FAS disk. These actions cause the disk to burst lower than the nameplate rating, whether the disk is subjected to positive pressure or back pressure.

The FAS is a non-fragmenting rupture disk because of the scoring technology and heat treatment utilized in fabricating this rupture disk. This technology combination prevents FAS fabrication in the Tantalum, Titanium and Zirconium materials.

Service life for the FAS is defined as the number of cycles achieved from atmospheric pressure to ninety (90) percent of the disk rated pressure. This is typically the reform pressure used in the final stage of manufacturing which sets the burst pressure for a lot of rupture disks. FAS disks rated near the minimum burst pressure for a given size and material will cycle approximately 1,000 times. Disks rated nearer the maximum burst pressure for a given size and material will cycle approximately 70,000 times.