

PETOL™ SIGHT GLASS

WARNING

- ◆ Always place the pipe wrench on the metal connections and not the sight glass itself when tightening.
- ◆ Do not tighten or loosen while under pressure.
- ◆ Avoid direct contact with strong acids or chemicals such as carbon disulfide acetone, etc.
- ◆ The PETOL™ Sight Glass is to be used on drain lines ONLY. Never use on flow lines.
- ◆ Always use an oily rag when cleaning the sight glass.

Chemical Compatibility

The following list shows the chemical classes which the PETOL™ Sight Glasses may be exposed to and the effects that may be experienced:

<u>Chemical Class</u>	<u>Effects</u>
Acids	No effect under the most common conditions of concentration and temperature.
Alcohol	Generally compatible at low concentration and room temperature. Higher concentrations and elevated temperatures result in etching and attack evidenced by decomposition.
Alkalis	Generally compatible at low concentration and room temperature. Higher concentrations and elevated temperatures result in etching and attack evidenced by decomposition.
Aliphatic Hydrocarbons	Generally compatible.
Amines	Surface crystallization and chemical attack. AVOID.
Aromatic Hydrocarbons	Partial solvents and severe stress cracking agents. AVOID.
Detergents and Cleaners	Mild soap solutions are compatible. Strong alkaline materials should be avoided.
Esters	Cause severe crystallization. Partial solvents. AVOID.
Greases and Oils	Pure petroleum types generally compatible. Many additives used with them are not.
Halogenated Hydrocarbons	Solvents. AVOID.
Ketones	Cause severe crystallization and stress cracking. Partial solvents. AVOID.
Silicone Oil & Greases	Generally compatible up to 185°F. Some contain aromatic hydrocarbons which should be avoided.

Ultraviolet Radiation Stability

Long term testing has shown that the material used for the PETOL™ Sight Glasses has the following property levels due to ultraviolet radiation (outdoor exposure):

<u>Property</u>	<u>Rating at given time (percent of original)</u>
Impact Strength	95% after 7 years
Tensile Strength	85% after 1 year and up to 5 years 67% after 7 years
Elongation	75% after 1 year
Light Transmission	80% after 5 years

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