

INSTALLATION/OPERATION/MAINTENANCE FOR TYPE A & B BOROSILICATE REPLACEMENT GLASS

This instruction sheet has been prepared as an aid for personnel involved in installation or maintenance. All instructions must be read and understood thoroughly before attempting any installation, operation, or maintenance. Failure to follow any instruction could possibly result in glass breakage resulting in property damage or physical injury to personnel.

CAUTION

Penberthy does not have control over the manner in which its gage glass is handled, installed, or used and Penberthy cannot and does not warrant or guarantee that the gage glass is suitable or compatible with the user's specific application.

WARNING

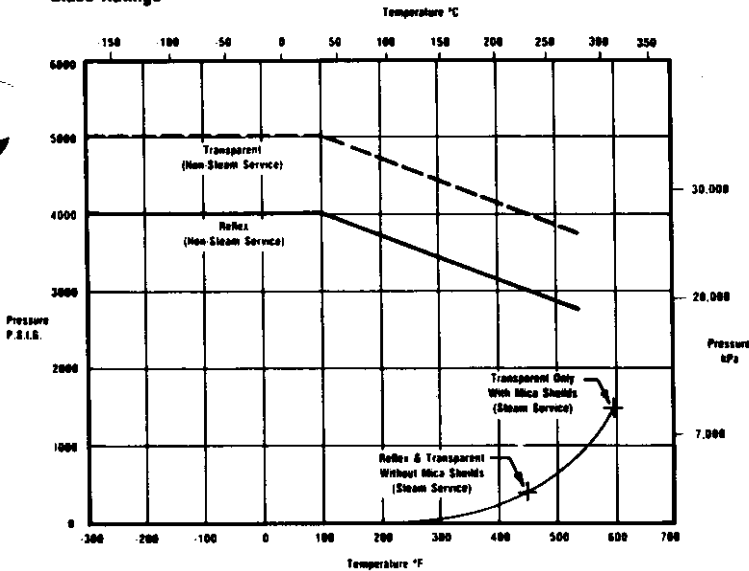
Safety glasses should be worn when removing old glass or when installing replacement gage glass.

I. INTRODUCTION:

A. Features and Specifications

Penberthy borosilicate gage glass is available in two types: transparent glass for use thru vision type liquid level gages and reflex glass for use in reflex type liquid level gages.

Glass Ratings



WARNING

Under no circumstances should these glass ratings or ratings of a liquid level gage manufacturer be exceeded. Exceeding these ratings may cause property damage or physical injury to personnel.

II. INSPECTION AND PERFORMANCE CONFIRMATION:

A. Receiving Inspection

Upon receipt of glass, inspect each piece individually for shipping damage. During inspection and during any subsequent handling of glass, care must be exercised to keep glass pieces from contacting each other or any other surface including table tops. If shipping damage is evident or suspected, notify carrier immediately and request damage inspection. Glass could be kept within original box until ready to use.

B. User's Rating Inspection

The user should confirm that the gage glass style, size, rating, and quantity meet the requirements of the specific application.

CAUTION

If the style, size, or performance data of the glass as received does not conform with any of the criteria above, do not proceed with installation. Contact an authorized Penberthy distributor for direction on what to do.

III. INSTALLATION

Installation should only be undertaken by qualified experienced personnel who are familiar with this equipment and have read and understood all the instructions in this manual.

CAUTION

Do not proceed with installation of replacement gage glass until the liquid level gage has been relieved of all pressure or vacuum, has been allowed to reach ambient temperature, and has been drained or purged of all fluids.

Refer to the manufacturer's installation instructions for the specific model liquid level gage for required installation procedures.

Before installing replacement glass, all old glass, gaskets, cushions, and shields (if used) must be destroyed and disposed of, and under no circumstances should be re-used.

CAUTION

Under no circumstances should shields be used in reflex style gages. Installations of shields in reflex style gages will keep liquid from coming in contact with the reflective prisms, thereby prohibiting visibility on liquid level in gage.

WARNING

Cushions, gaskets and shields are permanently deformed by compression and if re-used, may cause leaks and high stress points resulting in glass breakage. Glass may contain hidden damage and internal stresses caused by previous pressure and temperature usage. If re-used, the glass may break under pressure causing property damage or physical injury to personnel.

A. Inspection of Glass Seating Surfaces

1. Clean the glass seating surfaces on the liquid chamber and cover with a soft metal scraper (preferably brass). Make sure that all burrs, rust, and bits of old gasket are removed.

CAUTION

Extreme care must be taken to avoid gouging or scarring seating surfaces. Failure to properly clean gasket surfaces may result in gasket leaks and high stress points which may cause glassbreakage.

DIMENSIONS

Width: 1.339/1.299	LENGTH IN INCHES & (CM) + 0, -.040									
	SIZE									
	1	2	3	4	5	6	7	8	9	
Thickness: .689/.649	4.500 (11.4)	5.500 (14.0)	6.500 (16.5)	7.500 (19.1)	8.625 (21.9)	9.875 (25.1)	11.000 (27.9)	12.625 (32.1)	13.375 (34.0)	
Flatness: .005										

