



Liquid Level Gages & Valves

Penberthy's quality product lines, application expertise and manufacturing capabilities are the solutions to your process needs.

For direct visual indication of process level, a broad range of flat-glass transparent or reflex gages are available to meet most temperature/pressure conditions. Tubular styles are also available, along with a complete line of both straight and offset pattern valves. Only Penberthy offers PENGAGE™ Selection Software for fast, accurate and simple gage/valve specification.

New product development is a priority at Penberthy, and is no better demonstrated than by the new Graph-a-Bond™ gasket and XP Illuminator. The Graph-a-Bond™ is a patent-pending graphite composite gasket that provides both superior strength to resist gasket deformation and better surface adhesion than commonly used graphite gaskets. The XP Illuminator is the first standard lamp illuminator with a watertight seal. This provides flat glass gage illumination outdoors with a product that's impervious to the elements and can operate maintenance free and reliably for years.



Straight Pattern Flat Glass Gage Valves

Series 100



1500 lb. ANSI rating

Pressures to 4000 psi @ +100°F [27600 kPa @ +38°C]

Temperature Ranges from -300°F to +750°F [-184°C to +399°C]

Design Features

The 100 and 200 series includes models 120J/220P and 130J/230P with these standard features:

- | | |
|-------------------------|--|
| Straight pattern | Integral bonnet (100 series) / Union bonnet (200 series) |
| Union vessel connection | Gage connection: Model 120J/220P - Union / Model 130J/230P - Rigid |
| Ball check shutoff | Integral seat (100 series) / Threaded renewable seat (200 series) |

A variety of optional features are available when specified.

Optional materials can be specified for the valve body and trim. (Trim consists of the stem, stem packing retainer and ball check.) Standard and optional materials conform to AISI or ASTM Specifications.

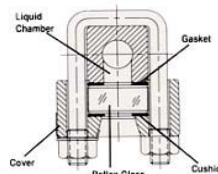
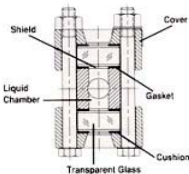
ASME Boiler Code

Series 100 and 200 valve sets that are acceptable for ASME Boiler Code are supplied with ball check shut-offs omitted.

Penberthy's low pressure gages are designed to maximize the mechanical and economical advantages of ductile iron covers.

All materials in low pressure gages conform to AISI or ASTM specifications. RL gages can achieve pressures to 2400 psig [16540 kPa] @ 100°F [38°C] and TL gages can achieve pressures to 2000 psig [13783 kPa] @ 100°F [38°C] when manufactured with size 1 glass.

Model RL - Reflex Low Pressure



Medium Pressure Flat Glass Gages

For most common process conditions.

Strength and versatility make Penberthy's medium pressure gages ideal for most common process conditions. Offshore specification 2600-1 is preferred with medium pressure gages in offshore and other corrosive environments.

All materials in medium pressure gages conform to AISI or ASTM specifications. RM gages can achieve pressures to 3000 psig [20675 kPa] @ 100°F [38°C] and TM gages can achieve pressures to 2500 psig [17229 kPa] @ 100°F [38°C] when manufactured with size 1 glass.

Although not designed for thermal cycling, Penberthy allows use of medium pressure gages for steam/water applications due to historical precedence - see Application Report 2781 in Penberthy catalog.