LIQUID INDICATORS
Weld-in

The function of a Liquid Indicator is to provide visual indication of fluid level or flow within a vessel or piping system.

Applications

Henry Technologies' Liquid Indicators are used in a variety of refrigeration and industrial applications. The Liquid Indicators feature weld-in housings with a replaceable Sight Glass in clear or Reflex lens. The Clear Lens design allows for unobstructed visual inspection of fluid level or flow while the Reflex lens is designed to allow easier fluid level inspection by appearing dark when liquid is present and light when liquid is absent. The optional Frost Shield allows easy view of the Sight Glass when installed in an application where insulation is used.

Henry Technologies' Liquid Indicators are suitable for use with ammonia, HFC and HCFC refrigerants and their associated oils, as well as other industrial fluids non-corrosive to steel, glass and Teflon.

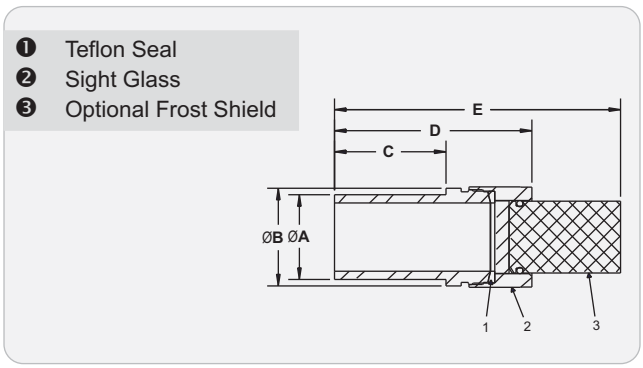
Main Features

- Patented Henry Technologies' Design*
- Weld-in connection
- Replaceable, hermetically sealed clear or Reflex lens Sight Glass
- Frost shield available for insulated applications
- Plated steel housing

Technical Specifications

Maximum working pressure = 500 PSI (34.4 Bar)
Allowable operating temperature = -40°F to +250°F (-40°C to +121°C)

Henry Technologies' Liquid Indicators are constructed to ASME Section VIII, Division 1 UG-11 (a) (1). Additionally, Liquid Indicators can be CE marked in accordance with PED by adding a "-CE" suffix to the part number. (i.e. LI-50-4W-CE.)



Materials of Construction

The Liquid Indicators body is made of plated steel. The Sight Glass body is plated steel with hermetically sealed soda lime glass lens. The Sight Glass seal is made of Teflon.

Installation - Notes

1. Sight Glass assembly must be removed before welding Liquid Indicator body.
2. A metal protector is supplied to cover the threads on the body to avoid damage by welding spatter.
3. Ensure Liquid Indicator body is cool and clean before installing Sight Glass.
4. Full instructions are given in the Product Instruction Sheet, included with each Liquid Indicator.

Part No	Dimensions (inch)					CE Cat**	Weight (lbs)
	ØA	ØB	C	D	E*		
LI-49-2W	1.90	2.19	0.85	2.67	4.67	CAT I	1.5
LI-49-4W	1.90	2.19	2.50	4.42	6.42	CAT I	2.0
LI-50-2W	1.90	2.19	0.85	2.67	4.67	CAT I	1.5
LI-50-4W	1.90	2.19	2.50	4.42	6.42	CAT I	2.0

*Dimension includes Frost Shield sold separately
**Optional Cat I CE models available by adding "-CE" suffix to part number. (i.e. LI-50-4W-CE)

Accessories and Replacement Parts	
Part No	Description
FS-2-1/2	Frost Shield
LI-49A-3AR	Clear Sight Glass
LI-50A-3AR	Reflex Sight Glass
2-023-053	Teflon Seal

LIQUID INDICATORS
Double Port, Cap Type

The function of a Liquid Indicator is to provide visual indication of fluid presence or flow within a piping system.

Applications

Henry Technologies' Liquid Indicators are used in a variety of refrigeration and industrial applications. The LI48 Series Liquid Indicators feature plated iron housings with NPT connections and dual replaceable Sight Glass Caps. The Sight Glass Caps feature hermetically sealed clear glass lenses for easy viewing.

Henry Technologies' LI48 series Liquid Indicators are suitable for use with ammonia, HFC and HCFC refrigerants and their associated oils, as well as other industrial fluids non-corrosive to steel, glass and Teflon.

Main Features

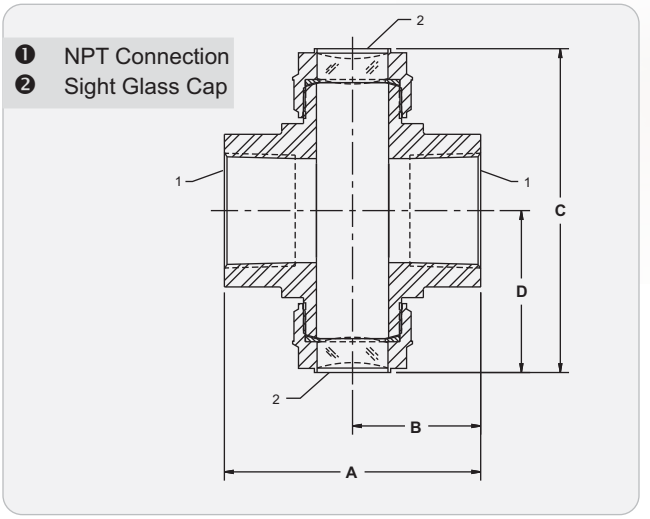
- NPT connections
- Dual replaceable Sight Glasses. Part number LI-3
- Interchangeable with Moisture Indicator Sight Glasses. Part number MI-3
- Plated iron housing

Technical Specifications

Maximum working pressure = 500 PSI (34.4 Bar)
Allowable operating temperature = -20°F to +250°F (-29°C to +121°C)

Materials of Construction

The Liquid Indicators body is made of plated iron. The Sight Glass body is plated steel with hermetically sealed soda lime glass lens. The Sight Glass seal is made of Teflon.



Part No	NPT (inch)	Dimensions (inch)				Weight (lbs)
		A	B	C	D	
LI48A-1/2	1/2	2.94	1.47	3.71	1.86	2.0
LI48A-3/4	3/4	2.94	1.47	3.71	1.86	2.0
LI48A-1	1	2.94	1.47	3.71	1.86	2.0