

# PT-300LL/PT-400LL Light Liquid Pump Traps

## Features

- Economical non-electric operation. Uses inexpensive steam or inert gas.
- Low-maintenance operation. No leaking seals, impeller or motor problems means lower maintenance. No NPSH issues.
- Lower installation costs. Single trade required for installation and maintenance.
- Peace of mind. Standard unit is intrinsically safe.
- Durable construction. ASME code-stamped carbon steel body vessel.
- Corrosion resistance. Internals are all stainless steel for corrosion resistance and long life.
- Heavy-duty springs. Springs are made from long-lasting Inconel X-750.
- Efficiency. A closed loop means no motive or flash steam is lost. All valuable Btu's are captured and returned to the system.
- Safety. The pump can be used in flooded pits without fear of electrocution or circuit breaker defaults.
- Externally removable/replaceable seats. Seats can be replaced or cleaned without removing the mechanism assembly.
- Specific gravity range. Pumps can accommodate specific gravity down to 0.65.

## Typical Applications

- Hydrocarbon knockout drum/separator
- Flare header drain
- Applications where the specific gravity of the liquid could be as low as 0.65
- Applications where hydrocarbons may be present

## Technical Data

### Back Pressure

- Maximum back pressure for the PT-300LL or PT-400LL is 60 psig (4.1 bar)

### Motive Pressure

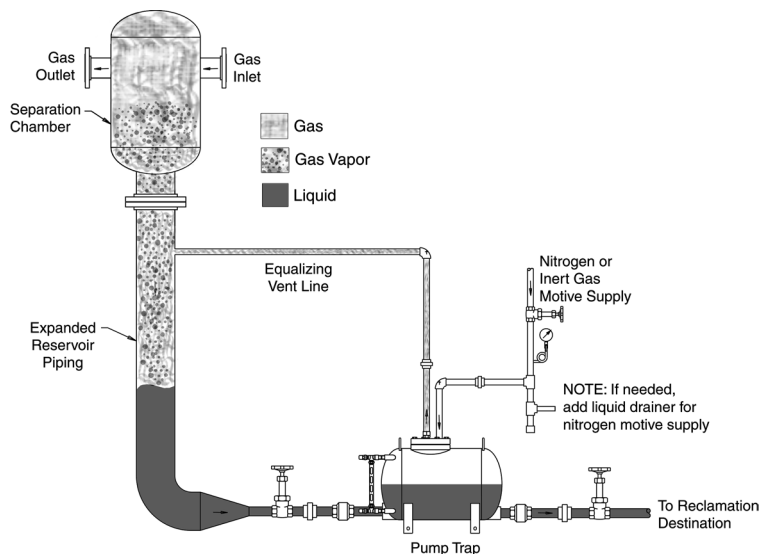
- Maximum motive pressure (Nitrogen or Inert Gas) is 100 psig (6.9 bar)

NOTE: To determine the lb/hr of liquid being pumped, use the following formula:

$$\text{lb/hr of liquid} = \text{capacities} \times \text{specific gravity of liquid}$$

To size the Light Liquid Pumps, use the sizing charts on pages 209 and 213.

Consult Armstrong for engineered pre-piped receiver packages.



## Hydrocarbon Knockout Drum Separator

Designs, materials, weights and performance ratings are approximate and subject to change without notice. Visit [www.armstronginternational.com](http://www.armstronginternational.com) for up-to-date information.