

# LIQUID AERATION PLUNGER

**NEW for 2010! The Liquid Aeration Plunger from PCS.**  
**This changes everything.**

## Ideal for

Reducing plunger fall times and increasing production.

If you have a well that recovers quickly and you'd like to reduce plunger fall times and increase production, we recommend the Liquid Aeration Plunger (LAP). It can reduce fall times up to 70% and increase production by at least one cycle per day. It's also helpful for wells that produce high accumulations of liquids or heavy liquids.

## How it Works

Our unique, patented HV Lift™ technology allows the plunger to fall quickly to the well bottom. As it travels upward, gas is transferred up through the plunger, causing a turbulent aeration (or bubbling effect) in the liquid slug above the plunger. This advanced liquid aeration process makes it possible for the plunger to lift and remove the liquid load more efficiently and at higher velocity. There's nothing else like it available!

## Applications

- ▶ Wells that can recover quickly
- ▶ Wells that produce high accumulations of liquids
- ▶ Wells that produce heavy liquids

## Advantages

- ▶ Lightens fluid load in tubing
- ▶ Reduces shut-in time
- ▶ Decreases fall times and increases trips
- ▶ Increases production by at least one cycle per day

## Sizes

Tubing Size	Closed OD	Open OD
2 3/8"	1.875	2.020
2 7/8"	2.345	2.500
2 7/8" (optional)	2.210	2.350
3 1/2"	2.570	2.700
3 1/2" (optional)	2.775	2.920

U.S. Patent No. 6,591,737  
U.S. Patent No. 6,669,449  
U.S. Patent No. 7,513,301  
Canadian Patent No. 2,398,802



PP-238L-1SP  
Liquid Aeration Plunger

**HV LIFT™**

## SPECIFICATIONS / MATERIALS

API standard fishing neck  
4140 steel or stainless steel

For normal wellhead  
configurations

## PRODUCT STYLES

Available in 2 3/8", 2 7/8" and  
3 1/2" single-pad configuration

**PCS** / PRODUCTION  
CONTROL  
SERVICES

[www.pcslift.com](http://www.pcslift.com)