VENTROMAX PLUNGER

Always looking for the next innovation!

Smart Drop Plunger Technology

Patent Pending CAN & USA

Visit our website at www.defopt.com

Having trouble with your plunger lift well, give us a call and let's talk about how we can help you achieve your goals.

Definitive Optimization focuses on plunger lift sales and service; it also provides oil well optimization and regulatory services in Canada and the USA. Our full brochure is available on our website.

"Mission Statement"

To be the most successful oil and gas production Optimization Company through a culture of safety, expertise and high valued products while providing an exceptional customer experience.

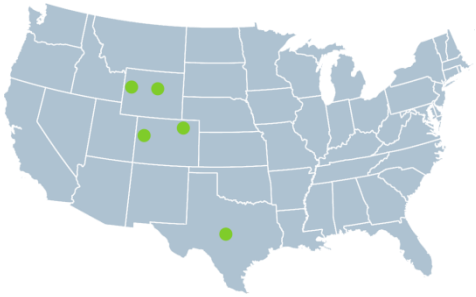
Sales 1-855-9DEFOPT (933-3678)

Definitive USA

Wyoming (307) 747-0015

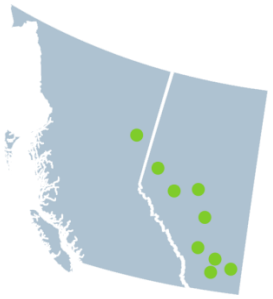
Colorado (307) 274-5661

Texas (254) 595-2123



Definitive Canada

Calgary (587) 579-0355



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VentroMax Design

The VentroMax Plunger design comes in a variety of proven lengths, weights and SVP (smart Valve Port) Technology.

- SVP (Smart Valve Port)
- 0.250” to 0.500” ID
- 10” to 15” lengths in stock
- Optional Coating and Material for Extreme Service wellbore applications

Definitive Plungers are made from high strength 4140 material. It has strength with the ability to survive in a harsh well environment and hard running operations.

VentroMax Plunger

The Ventromax Plunger uses “Patent pending” smart drop technologies, that allows a plunger to drop at a more aggressive fall rate than a conventional plunger while the well is shut in.

The Ventromax plunger uses an engineered designed helix spiral to maximize the rotational energy in the plunger. This design helps centralize the plunger in the tubing, minimizing uneven wear on the plunger surface.

The rotational action will also increase seal efficiency using centrifugal forces to push fluid and other material outwards from the seal recesses and into the flow path.

The action creates increased restriction and pressure drop across the surface of the plunger for better overall lifting efficiency.

VentroMax Operation

The Ventromax plunger is most effective on wells that can build the required energy quicker than the average conventional plunger falls to the bottom of the wellbore.

Plunger tracking has shown that the fall speed of the Ventromax Plunger is on average 1.3 to 2 times faster than a conventional plunger.

Once it is in the fluid and is energized by the wells flow, a fluid hydraulic/mechanical seal is created in the SVP (Smart valve port) that will make the plunger rise to surface more efficiently.

It uses the cross-sectional area of the valve components, fluid density and the pressure drop across the surface of the plunger to apply an opposing pressure on the SVP assembly. This maintains a net positive differential while the plunger is travelling and lifting fluid to surface.

If the energy below the plunger exceeds the sealing capacity of the SVP (smart valve port) assembly it will let gas bypass through the center of plunger, and may result in slower surface impact speed reducing the potential kinetic energy in the plunger.