

# LEMCO DRAWDOWN WELL SEALS

AIR & CONTAMINATION BARRIER



- ✓ Control Drawdown During Dry Spells.
- ✓ Increase Well Production.
- ✓ Prevent Air From Entering Submersible Pump.
- ✓ Retard Corrosive Buildup Around Pump and Screen.
- ✓ Increase Pump and System Life.
- ✓ Center and Stabilize the Pump.
- ✓ Available for Submersible or Turbine Pumps.
- ✓ Zinc Plated Mild Steel or Stainless Steel.

## LEMCO SEALS

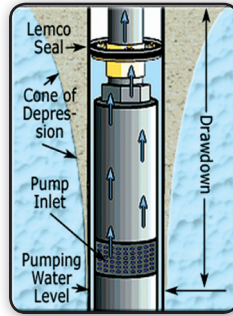
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Made in USA

## Lemco Seal Protects Submersible Pump & Well

The Lemco Drawdown Well Seal protects the submersible pump by preventing the water level from dropping below the pump inlet. It does this by forming an airtight seal above the pump, which forces water to be pumped from the aquifer below instead of lowering the static water level from above, inside the well casing.



In the illustration, the apparent pumping water level is below the pump inlet, but the Lemco Seal keeps the pump submerged in water pumping normally, unaffected by the amount of drawdown outside the well casing.

### Air & Contamination Barrier

Normally, the inner casing would be wet and aerated from the constant raising and lowering of the water level during the pumping cycle, which causes corrosion to build up and rust to form. The Lemco Seal eliminates wash-down of rust and slime, and corrosion is retarded, especially in black pipe.

Air, dirt, sand, foreign objects and contamination from ground pollution entering through the pitless unit, cracked casing or a loose pipe joint is contained above the seal.

### LEMCO DRAWDOWN WELL SEALS

Well Size	Drop Size
3"	1
4"	1, 1¼, 1½, 2
4½"	1, 1¼, 1½, 2
5"	1, 1¼, 1½, 2
6"	1, 1¼, 1½, 2, 3
8"	1, 1¼, 1½, 2, 3, 4
10"	2, 3, 4, 5, 6
12"	2, 3, 4, 5, 6, 8

### WELD ON SEALS (for turbines & submersibles)

6"	3
8"	3, 4
10"	3, 4, 5, 6
12"	4, 5, 6, 8
14"	6, 8
16"	4, 5, 6, 8

Combine Sizes For Quantity Discounts

FREE Shipping on orders of \$1,000.00 or More

### INSTRUCTIONS

- ✘ The Lemco Seal should be mounted as close to the screen and pump as possible for maximum well production and corrosion resistance.
- ✘ Install the seal with the **nuts facing up**.
- ✘ To prevent electrolysis from eating a hole through the seal, use a nipple of dissimilar metal between the pump and seal. Wrapping the nipple with electrical tape can also help prevent electrolysis.
- ✘ When using 1/4" tubing, remove the cover plate and reverse the rubber packer so the holes line up properly with the seal body and cover plate, then reassemble the seal.
- ✘ Tighten the seal on the drop pipe, then insert the motor leads through the four smaller holes in the seal. If 1/4" tubing is used, insert it through the 1/4" hole in the seal and run it with the electrical wires.
- ✘ Tighten the nuts to sufficiently hold the wires, tubing and rubber packer firmly. It is important to form an airtight seal, but over-tightening may distort the rubber packer causing an airleak. Under tightening may also cause an airleak.
- ✘ For 3-wire electrical motors, disassemble the seal and rotate the rubber so only three holes show through the seal.
- ✘ Where venting is required or when it's undesirable to place a suction on the well, insert polyethylene tubing through the 1/4" hole in the seal and run it with the electrical wires to the top of the well. Keep the tubing open, but keep in mind, when trying to increase well production, this tubing must be sealed at the top of the well.
- ✘ The 1/4" tubing can be used to chlorinate the well. Make sure the tubing is open at the top of the well and insert it into a jug of chlorine. When the pump runs, chlorine will siphon directly into the pump and screen area.