



# Oil Injection Pump

## Model OIP-1 and OIP-2

### What's In It For You?

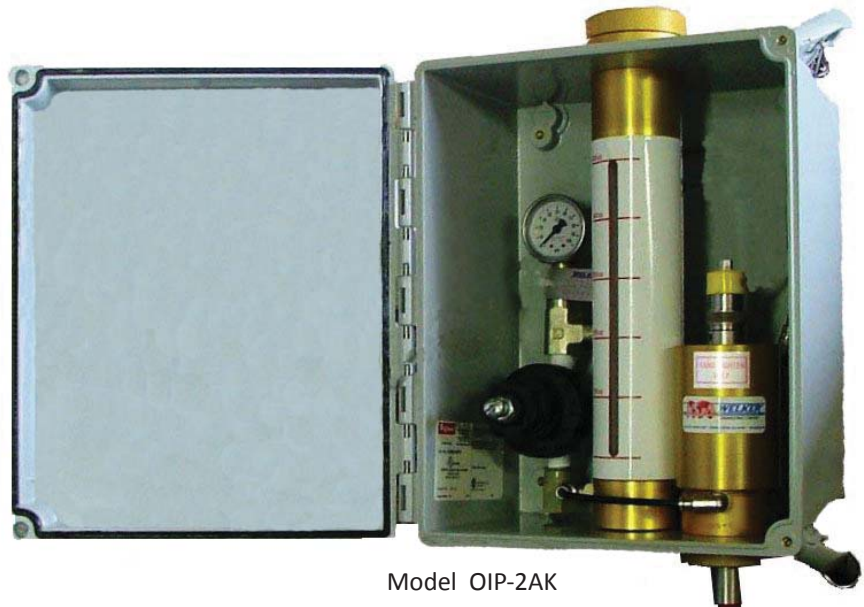
- Easy to install and simple to operate
- Fewer trips to remote locations
- Reduces maintenance time and expenses
- Maintains meter accuracy
- Automatically drops precise amount of oil into meter bearings
- Protects bearings on meters of any type for increased lifespan
- Return on investment of 3 months or less
- Compatible with multiple inputs

### Fast Facts

- Simple and compact, in fiberglass enclosure
- Reservoir can be refilled outside the box
- Proportional or time-based operation
- Few seals
- Standard options include a battery-powered timer/controller, dual pumps

### Where To Use It

- Bearing systems in any machinery that requires periodic lubrication



Model OIP-2AK

### What It Is

The Welker Oil Injection Pump (OIP) is designed to provide an automated lubrication system for bearings in meters of all types.

Properly lubricated bearings – with the right amount of oil being dispersed at the right time – allow for better meter accuracy. An accurate reading ensures proper accounting for your company.

With a simple and compact design in a sturdy fiberglass enclosure, the OIP is easy to install and operate.

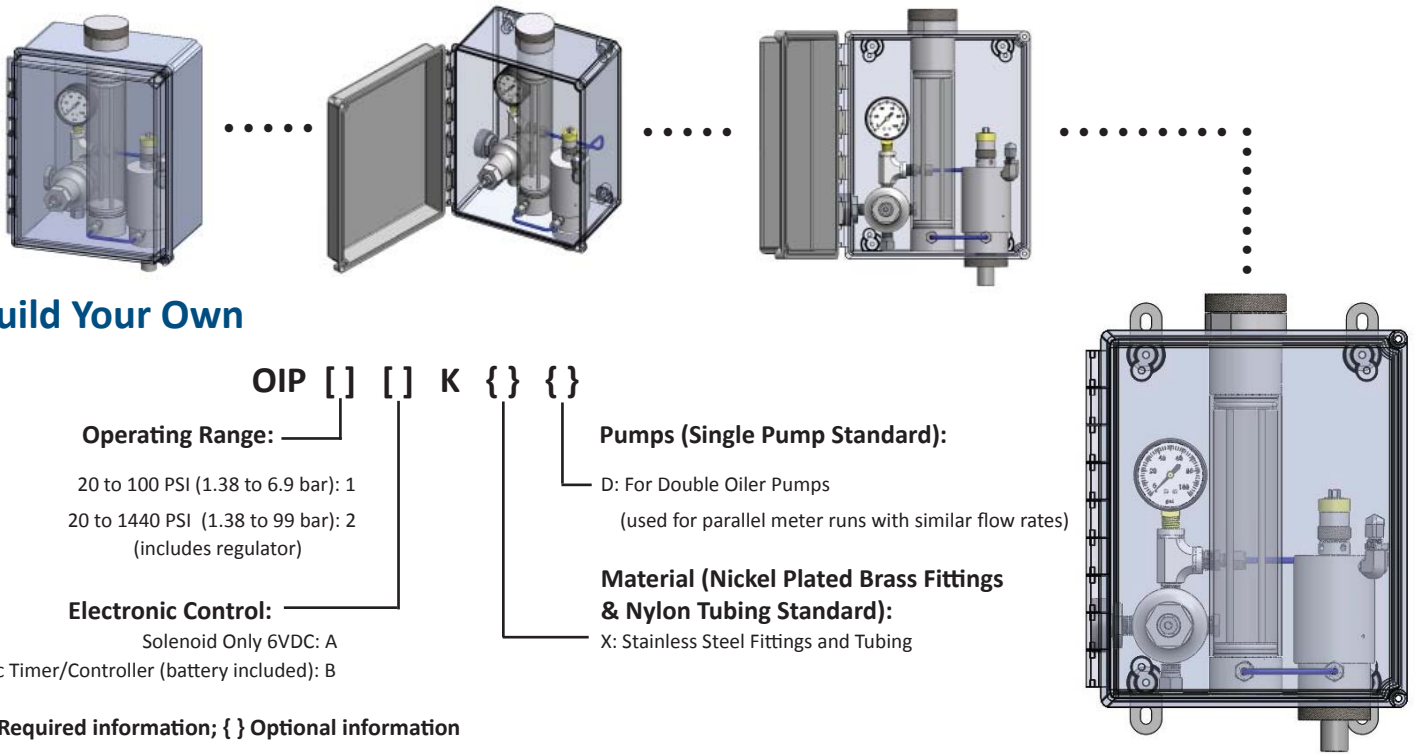
Because of its automated design, it requires minimal maintenance, meaning fewer trips to remote locations for field technicians. Just fill the oil reservoir, start it up and go.

### How It Works

Activated by a timed or proportional-to-flow rate signal, the pump injects 0.25cc of lubricant into the oil port of the meter.

The meter receives neither too much oil – which can slow it down due to drag – nor too little – which can burn up the bearings, leading to meter inaccuracy, non-scheduled downtime or even a complete overhaul. Those result in lost revenue.

An even and consistent lubrication also means a longer lifespan for meter bearings, another cost savings for you.



## Build Your Own

OIP [ ] [ ] K { } { }

### Operating Range:

20 to 100 PSI (1.38 to 6.9 bar): 1  
 20 to 1440 PSI (1.38 to 99 bar): 2  
 (includes regulator)

### Electronic Control:

Solenoid Only 6VDC: A  
 6Tc Timer/Controller (battery included): B

### Pumps (Single Pump Standard):

D: For Double Oiler Pumps  
 (used for parallel meter runs with similar flow rates)

### Material (Nickel Plated Brass Fittings & Nylon Tubing Standard):

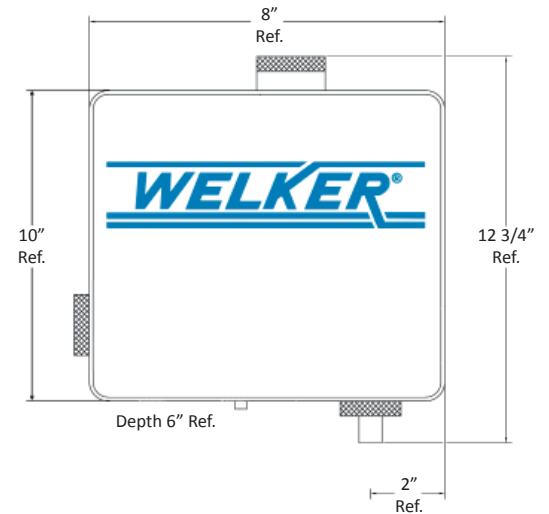
X: Stainless Steel Fittings and Tubing

[ ] Required information; { } Optional information

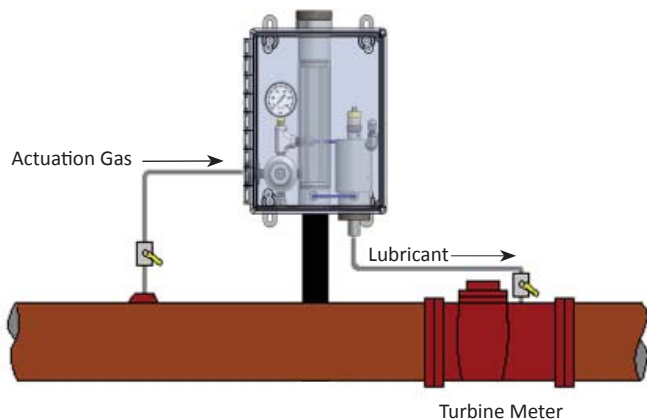
## Technically Speaking

- Material:**  
Anodized aluminum and stainless steel
- Pump Type:**  
Positive displacement
- Cycle Frequency:**  
Time based or proportional  
Maximum 30 strokes/minute
- Working Pressure:**  
1,440 psi MAOP (99 Bar)
- Signal:**  
Timer or dry contact
- Enclosure:**  
Fiberglass, NEMA 4X  
Single Pump: 10" x 8" x 6"  
(25.4cm x 20.3cm x 15.2cm)  
Double Pump: 12" x 10" x 6"  
(30.5cm x 25.4cm x 15.2cm)
- Electrical:**  
6 VDC
- Connections:**  
1/4" NPT
- Oil reservoir:**  
250cc capacity

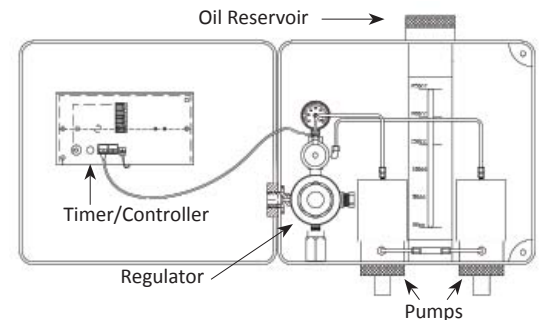
## Dimensions



## Typical Set-up For Welker Oil Injection Pump



## Double-pump Option



13839 West Bellfort Street  
 Sugar Land, Texas 77498-1671  
 281-491-2331  
 www.welkereng.com

