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The Oiler

A WELL-OILED MACHINE

Easily prevent costly downtime caused by dry bearings with the Welker Original Oiler Small Volume Chemical Injection System.

This compact system automatically delivers a small fixed volume of your chemical—like lubricating oil—on a time or proportional to flow basis to keep your process running smoother for longer. The Oiler takes the labor out of difficult tasks for effortless operation.

Data Sheet The Oiler Data Sheet

Video Welker Original Video

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DON'T LOSE YOUR BEARINGS

AUTOMATIC BEARING LUBRICATION

Bearing systems like those in gas turbine meters require periodic lubrication to prevent performance-reducing mechanical friction. The Oiler automatically delivers a small fixed volume of lubricant to prevent bearing burnout. The result? Optimal meter lifespan, performance, and accuracy.

TIMING IS EVERYTHING

ONBOARD TIMING SYSTEM

No external power supply? No problem! The long-lasting lithium battery pack of the Welker 6Tc Timer/Controller can power the Oiler. Set the 6Tc for proportional to flow or time-based chemical injection. This UL listed intrinsically safe controller is designed for hazardous areas.



GET YOUR (RE)FILL

EASY ACCESS RESERVOIR

Thanks to the operator-friendly design, you can refill the 250-cc oil reservoir without even opening the enclosure. Simply remove the cap located on top of the enclosure and pour your injection chemical straight into the reservoir.

GOOD THINGS COME IN SMALL PACKAGES

CORROSION-RESISTANT ENCLOSURE

The Oiler can withstand a wide range of aggressive environments. The rain-tight, watertight, corrosion-resistant enclosure with integrated padlock hasp makes it ideal for remote locations. The clear cover allows for easy on-site monitoring of regulator pressure and chemical volume.



THE RIGHT FIT

COMPACT FOOTPRINT

Where space is at a premium, this compact system will fit right in. The Oiler is mounted to a curved 8" x 13" panel, ready to be secured to a 2" pole or pipe stand using the included U-bolts. Because the Oiler is lightweight, system installation is easy *and* easy on you!

POINT OF NO RETURN

BACKFLOW PROTECTION

The outlet check valve protects operations during fluctuations in pipeline pressure. If pipeline pressure drops, rest assured neither injection chemical nor gas will flow from your bearing system back to the pump.



2-FOR-1

OPTIONAL DOUBLE PUMP UNIT

Multiple meters in your meter run? The Oiler can be designed with dual injection pumps to feed two separate meters, resulting in space and cost savings for you.

STOP RUNNING YOUR METER RAGGED

ADDITIONAL METER PROTECTION

The Oiler is a good first level of protection for your meter and your process. For added protection, install a **Welker FLN Flow Limiting Nozzle** downstream of your meter to prevent over-speeding and damage to the



SPECIFICATIONS

THE OILER SMALL VOLUME INJECTION SYSTEM

The Oiler

Materials of Construction

316/316L Stainless Steel, Anodized Aluminum,
Butyrate, PTFE, Nylon, Viton®

Operating Range

0–100 psig @ -20 °F to 140 °F

20–1440 psig @ -20 °F to 140 °F

Connections

Instrument Supply Inlet: ¼" FNPT

Injection Chemical Outlet: ¼" FNPT

Injection Volume

0.25 cc/Stroke

Injection Chemical Reservoir Volume

250 cc

Mounting

Panel-Mount for 2" Pole or Pipe Stand

Weight

Approx. 10 lb

Dimensions

Enclosure: 10" (H) x 8" (W) x 4" (D)

Panel: 12.75" (H) x 8" (W)

Operating Presssure

100 psig @ -20 °F to 140 °F

1440 psig @ -20 °F to 140 °F

Electrical Area Classification

NEC Class I, Div. 1, Groups C & D, T3C

Options

CSA Approval

Instrument Supply Regulation Package

Solenoid (DC 6 V, DC 12 V, or DC 24 V)

Stainless Steel Tubing and Fittings

Welker 6Tc Timer/Controller (UL listed)

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