

Heavy Duty Metering Pumps



**Accurate, Reliable,
Simple!**



Ferti▶Ject metering pumps

The Ferti▶Ject motor driven diaphragm metering pump are built specifically for use in fertigation systems.

Our partner, I-Feeder Technologies have been manufacturing metering pumps, mixers and accessories in South Africa for more than 35 years, and are widely recognized as a global leader in this technology.

They are designed for wide variety of processes where it is necessary to dose a product into a hydraulic network, such as irrigated agriculture, commercial irrigation, food processing and water treatment applications.

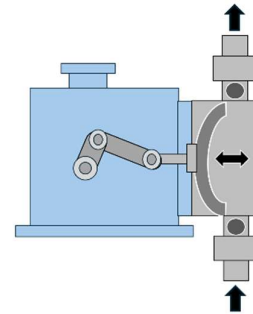


Heavy duty construction

The liquid end is chemical resistant with precise metering and good suction capacity, built tough with standard materials that can resist most chemical products, even acids.

The rugged oil filled gearbox and heavy-duty, slow speed motor are designed for years of trouble-free operation even in the harshest environments.

The durable diaphragm allows robust, low-noise, metering at medium volumes and medium pressures, designed for challenging environments where there is the possibility of running dry or there is a risk of impurities in the media being injected.

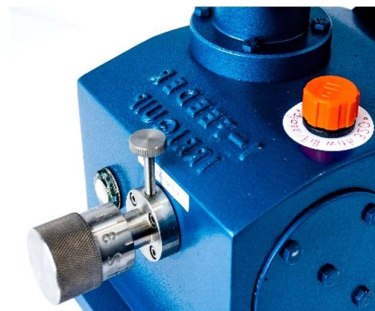


Simple, accurate adjustment

The flow rate of the pump can be adjusted from 100% down to effectively 0% without any loss of accuracy.

The flow rate can be modified using the precision adjuster, this acts on the length of the stroke which changes the volume of the liquid held in the diaphragm chamber, the longer the stroke, the more liquid is pumped.

A locking screw ensures the setting remains intact during operation.



Range of motor options

The pump can be powered with a range of slow speed, heavy duty electric drive motors specially designed for injection applications.

Available as single or three phase, with the option of DC motors for solar power sources available on request.



Single or multi-channel injection

Bolt on gearbox modules enable the addition of multiple dosing liquid-ends running from a common drive motor.

The liquid-ends can be set up to dose proportionally, independently, or all in combination, allowing for a range of configurations, including,

- Dosing higher total volume per hour by adding up to 4 gearboxes.
- Dosing lower volumes at higher pressures than its single head counterparts.
- Dosing proportionally per liquid-end in relation to the other liquid-ends.
- Dosing independent per liquid-end as set per requirement.



Metering pump performance

Refer to the table below for single head pump performance data,

Dosing rate (lph)	30	50	100	200	300	400	600	900	1200
Dosing press. (Bar)	10	10	7	9	6	9	7	6	5

**Other pump combinations available on request

Proportional dosing

Adding the Ferti▶Drive pump controller to the metering pump allows for the stroke rate per minute to be modified, changing the flow rate of the pump.

Stroke rate can be altered from external sources such as flow, pH or EC sensor inputs.

Talk to us.

Ferti▶Ject specialize in nutrient delivery systems and can customize our solutions to suit your specific application.

Contact us for more information.



We love living here,



Let's make sure our kids can too!

At Ferti▶Ject, what motivates us is our **passion** for our planet and the amazing **diversity** of life that exists upon it.

If we are to **conserve** and repair our **environment**, then we must develop and deploy **sustainable solutions** to shelter, clothe and feed our global population..., quickly.

We think **water** is the key to this solution.

It's how use and reuse water that is the **challenge**.



Ferti▶Ject Dosing Systems

Developed in Western Australia

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