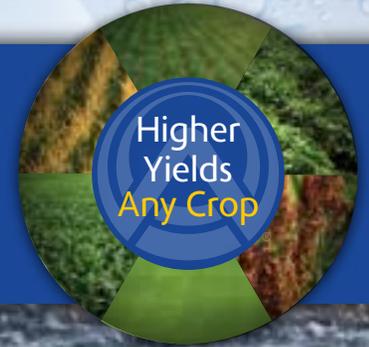


▶ **MacRoy Series D Metering Pumps**  
Economical accuracy and reliability  
for fluid injection systems.



*"I've been using foliar applied nitrogen for three or four years now with very good results. The difference is, up until this last year, we've been putting it on with a crop sprayer. Now, with the use of an Agri-Inject pump, we're able to put 32 percent nitrogen on the crop through our center pivot irrigation. Not only does this save on nitrogen, since we're not putting it on the corners and only applying it where it can be used, but we save on labor, fuel costs and machine depreciation. It's worked so well that I'm planning to buy a second Agri-Inject unit for this coming year."*

- Hunter Hooper,  
Brownsville,  
Tennessee

# ▶ MacRoy Series D System Pumps

Precise fertilizer application through irrigation systems of all types.

The MacRoy Series D line of simplex metering pumps from Agri-Inject™ allow you to pump precise amounts of fertilizer or other crop inputs from a bulk tank and inject accurately and uniformly into the irrigation stream. The easy-to-operate pump can also handle a wide range of other low to medium viscosity liquids that are compatible with irrigation application – all with unmatched precision control, even at low volumes.

This affordable pump provides a quick payback on your investment, while delivering a high degree of accuracy, reliability and easy of use. Available in 25 gph and 50 gph models and covered by a three-year warranty, these pumps are manufactured exclusively by Milton Roy for agricultural applications using Agri-Inject fluid injection systems.

## Key Product Features

MODEL	Operating Range (at 60 Hz)*	Maximum Discharge Pressure	Three Phase and Single Phase	12-volt DC
D25	2.5 to 25 GPH (9.5 to 94.6 liters)	100 PSI (6.9 bar)	1/4 hp (0.18 kW)	1/4 hp (0.18 kW)
D50	5.0 to 50 GPH (18.9 to 189.3 liters)	100 PSI (6.9 bar)	1/4 hp (0.18 kW)	1/4 hp (0.18 kW)

\* Derate Operating Range by 16.667% for 50 Hz operation.



▶ Easily accessible filter assembly protects pump, plumbing and connections from foreign objects.



▶ Mechanically actuated pump with Teflon® diaphragm enables precision flow rate control, even at low volumes.

▶ The pump body is backed by a limited three year warranty.



▶ Large, easy-to-read dial lets you adjust flow, quickly and simply, while pump is running. Can be locked in position to maintain constant flow. Precision stroke adjustment can be operated while in use. Steady State Accuracy ~ + 2% of full capacity over the 10 to 1 turndown ratio.



▶ Choice of three phase, single phase or 12-volt electric motors in 56c frame vertical mount. Can accommodate most electrical international configurations.

▶ Only two major moving parts with oil bath lubrication for reliable operation and minimum maintenance.

▶ Durable, cast aluminum housing gives the MacRoy Series D pump the toughness to stand up to harsh chemicals and the weather.

▶ The control switch is sized specifically to each motor and provides overload protection. The switch enclosure is NEMA 4 rated and fully integrated into the Nomad base.



## Global technology

Since 1983, we've distributed metering pumps to every corner of the globe utilizing irrigation to raise sustainable crops. The engineered reliable design make it ideally suited for years of service.

## Environmentally safe

Utilizing a high quality fluid injection pump enables you to precisely provide what your crop needs while reducing the environmental impact. With Agri-Inject equipment, there are other benefits of reduced drift and reduced labor and energy costs. Agri-Inject also offers containment options to provide even further assurance of environmental safety.

## Economical to operate

Lower operating costs at high volumes make the MacRoy Series D especially effective for applying fertilizer, chemicals, and other concentrates through high acreage pivot irrigation systems.

## Future of precision agriculture

Today we're on the doorstep of dynamic growth of precision farming within the global agricultural industry. Agri-Inject products are perfectly in sync with precision agriculture. They are the cost effective way to apply precise amounts of fertilizer and crop protection products at precisely the right times during the growing season. That's a sound "precision strategy" for improving yields and ensuring crop health for many years to come.

## Where to buy

Agri-Inject products are distributed globally through an authorized dealer network. Each dealer has a solid reputation for responsive service and technical support. When you're irrigating, you can't afford to wait for answers. You'll find the support you need from Agri-Inject is just around the corner.

# ▶ MacRoy Series D System Pumps

High accuracy, reliability and easy to use.

*"We have over 50 Agri-Inject D25 injection pumps in use by our customers and haven't had any problems with any of them, despite some tough operating conditions. In addition to custom blended acid and neutral fertilizers, we offer several different packages of service that include an injection pump and tank, depending on the customer's needs. Many of these blends include phosphoric acid or 26 percent nitrogen with sulfuric acid to balance pH, add a little sulfur and melt dry nitrogen. So they can be pretty corrosive, which can be hard on pumps. Yet, most of the D25 pumps have gone three years now without any issues. With that large dial, they seem to be easier to calibrate and simpler to use, too. Our customers seem to like the D25 pumps a lot better as well, even though we have a lot of other Agri-Inject pumps still in use. On sugar beets and corn, they run almost all season long and pump tank after tank of product. I know any new pumps we buy will be D25 models. In fact, we will be buying somewhere between 16 and 32 more as soon as management decides on the number."*

— Brad Cook  
Operations Manager  
Rocky Mountain Agronomics  
Burley, Idaho



Eliminate the guesswork of pump selection and pump rate calibration.

**APPLY ▶ yourself™**



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