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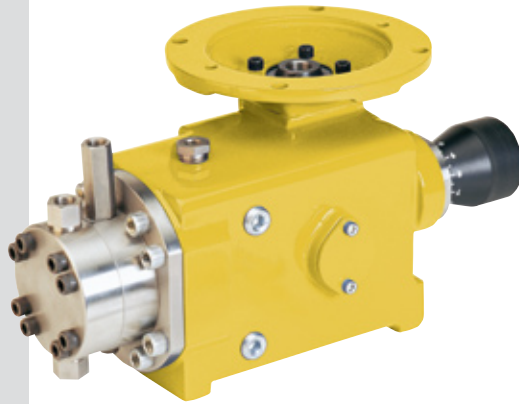
## EV Series Metering Pumps



# EV

SERIES

DOING IT RIGHT SINCE 1930



We asked engineers, buyers, production, plant maintenance personnel and others who purchase, use and service metering pumps:

*“What would make the perfect metering pump?”*

Then we built it.

Our Evolution (EV) Series Metering Pumps are the culmination of more than 70 years experience of listening and responding to the needs of our customers.

*Compact EVA pumps are ideal for low flow single point injection*

As a result, tens of thousands of EV Series metering pumps are in operation worldwide.

### **Designed to API 675**

Durameter pumps are built in accordance with API 675 specifications.

### **Designed to Adapt**

At Durameter, we understand operating conditions are not always constant, so we designed the EV series metering pumps for maximum flexibility and greater control. As requirements change, modification of the EV series pumps allow for changes to plunger diameters, liquid end materials or converting to special designs when pumping slurries, viscous or other challenging process fluids. For added convenience, the EV1 series pumps easily convert from a simplex to a duplex configuration using the same pump frame or when connecting multiple frames to drive up to twelve heads using a single motor.

### **Designed for Simplicity and Cost-effectiveness**

The EV series pumps employ a revolutionary modular design with 4 independent assemblies, or cartridges, that are independent and field convertible. This makes routine maintenance quick and easy, and increases your savings by reducing downtime.

### **Designed to Assure Performance in Your Application**

Durameter pumps are available with DURAmatic electronic stroke control for controlled processes. The DURAlert diaphragm performance option is available to assure diaphragm integrity even in the most critical service. For added assurance, all Durameter pumps are built in accordance with API 675 specifications.

**THE EV Series – Our customers asked for it – we designed and built it.**

## EV1 Series

The EV1 is the most flexible industrial duty metering pump available today. Features and options include:

- Control Options
  - Manual Micrometer
  - Electronic (4-20 mA)
 Enclosures in NEMA 4, 4X or 7
- Multiplex Options
  - Single body:
    - One or two pumping heads
  - Multiple body:
    - Combinations from 2 to 12 pumping heads with one motor.
- Manifold piping options available
- "P" series duplex available for pulse-less discharge flow
- Standard materials available
  - 316 ss, Alloy 20, Hastelloy® C, PVC, PVDF
  - Others available on request
- Liquid ends available for:
  - Clear Liquids, Slurries, Viscous Fluids, Off-gassing Fluids



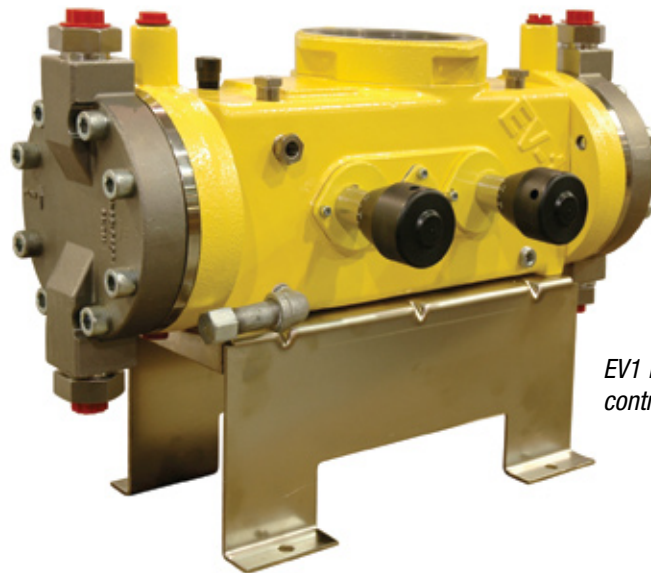
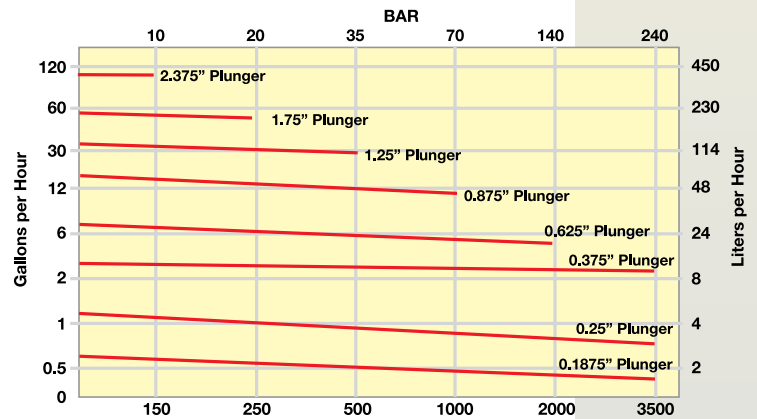
*Modular EV1 pumps are the most versatile and adaptable metering pumps on the market today.*

## Specifications

- Pressures up to 3500 psig (241 bar)
- Capacities from 0.06 GPH (0.2 L/hr) to 107 GPH (405 L/hr)
- +/- 1% Steady State Accuracy over 10:1 Turndown Ratio Standard
- Temperature Range:
  - Minimum -20°F
  - Maximum 250° metallic liquid ends, 150° non-metallic
- Approximate Weight:
  - Single pump head – 110 lbs
  - Duplex pump head – 125 lbs
- NEMA 56C, IEC 71 or IEC 80 Motor Mounts

### EV1 Capacity and Pressure Ratings

Ratings at 138 SPM  
Plastic Heads Limited to 150 PSI/10 BAR



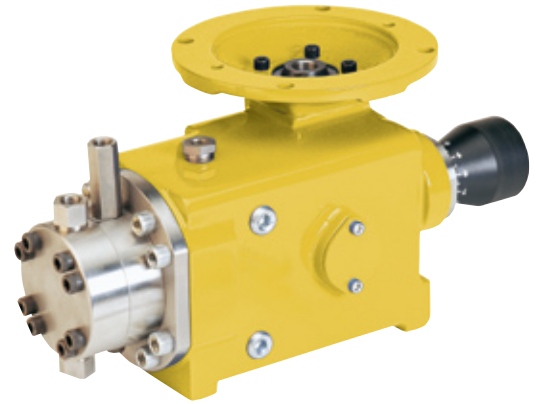
*EV1 Duplex - Two separate and independently controllable heads on one pump frame.*

## EVA Series

The EV1 is the most flexible industrial duty metering pump available today.

Features and options include:

- Capacity Control Options
  - Manual Micrometer
  - Electronic (4-20 mA) Enclosures in NEMA 4, 4X or 7
- Standard materials available 316 ss, Alloy 20, Hastelloy® C, PVC and PVDF  
Others available on request
- Liquid ends available for: Clear Liquids, Slurries, Viscous Fluids, Off-gassing Fluids

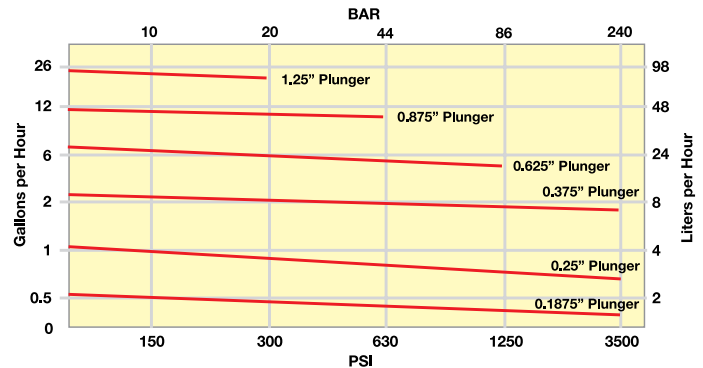


## Specifications

- Pressures up to 3500 psig (241 bar)
- Capacities from 0.06 GPH (0.2 L/hr) to 25.3 GPH (94 L/hr)
- +/- 1% Steady State Accuracy over 10:1  
Turndown Ratio Standard
- Temperature Range:
  - Minimum -20°F
  - Maximum 250° metallic liquid ends, 150° non metallic
- Approximate Weight: 57 lbs
- NEMA 56C or IEC 71 Motor Mount

### EVA Capacity and Pressure Ratings

Ratings at 115 SPM  
Plastic Heads Limited to 150 PSI/10 BAR



"Hastelloy® C" is a registered trademark of Haynes International, Inc.

*Consider the benefits of owning a Durameter pump!*



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