

Eclipse Hypopump is specifically designed to pump (meter and transfer) **sodium hypochlorite** (NaOCl). Based on the patented technology of the Eclipse, significant enhancements were made to increase the reliability and sealing capability of troublesome hypo, while offering easy, fast maintenance (only a few minutes every year or two¹). This new pump offers the highest quality, longest life and provides the lowest total cost of ownership. This pump's ability to handle entrained gases, sealless design, ease of maintenance, and long service life, make it a superior pump for use in **sodium hypochlorite** applications.

Key Features

- Eclipse technology, wetted components are completely non-metallic (not coated like others)
- Pump housings, gears and gear liner are made of engineered composites. Magnetically driven eliminating mechanical seals
- Powder coated external reinforcements ensure zero leakage, no crystallization, or emissions
- Front pull-out design makes for fast and easy maintenance, no piping or electric to disconnect
- Pre-defined KOPkits[®] allow for easy ordering and kitting of all necessary parts to bring the pump back to optimum factory performance
- Engineered PVDF composite fluoropolymer provides superior chemical resistance; titanium hardware option for the most severe applications
- Pump is bidirectional, can be run in either direction
- Modular design allows for the pump to be mounted in 45° increments (to a full 360°); vertical, horizontal, or any configuration imaginable.

1. Actual service life will depend on system conditions. Servicing and inspection can be as little as two minutes and last multiple years.



Aftermarket & Accessory Offerings

- KOPkit[®], KOPkit Lite, or Kopkit Pro
- Pressure Relief Valves
- Back Pressure Valves
- Calibration Columns
- Y-Strainers
- Gauges



MPC VECTOR

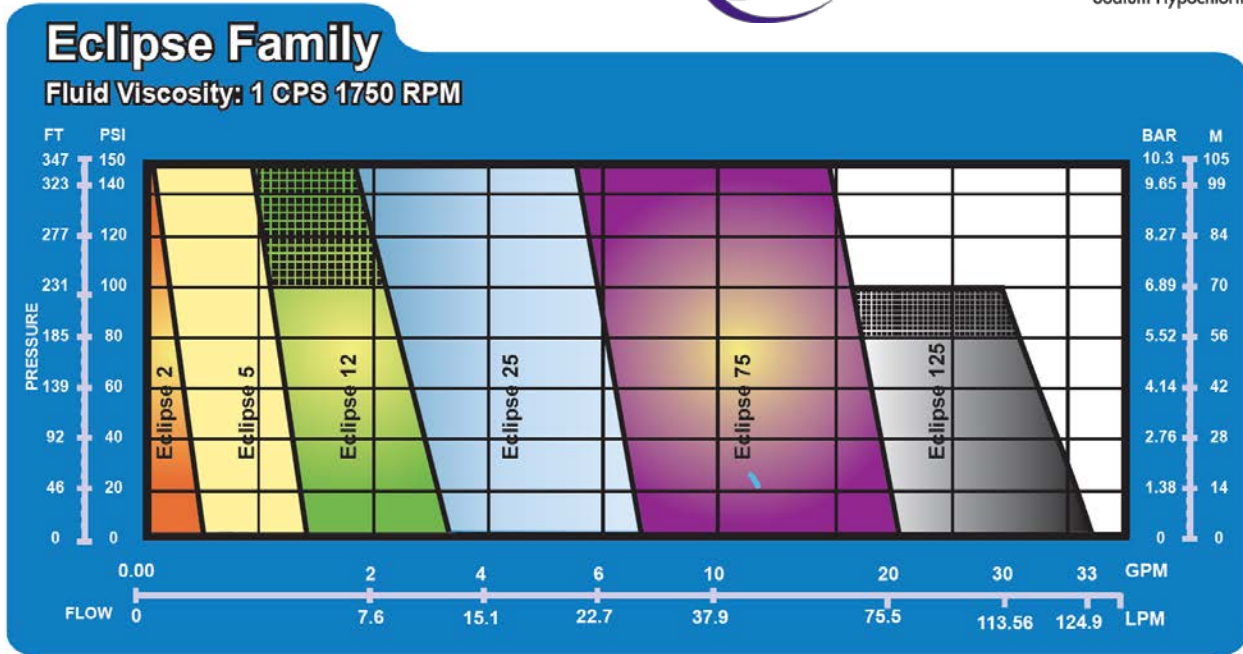


MPC Vector

The MPC Vector is a microprocessor based motor speed controller. When coupled with an Eclipse in closed loop operation (w/flowmeter & inverter duty motor), the user can achieve over 100:1 turndown. This controller has been designed for simplicity and accessibility. It has many standard features: multiple analog & digital inputs & outputs, alarms, level control, and communications. See its techsheet for all its capabilities.



Specifications and Model Selection



Engineering Data

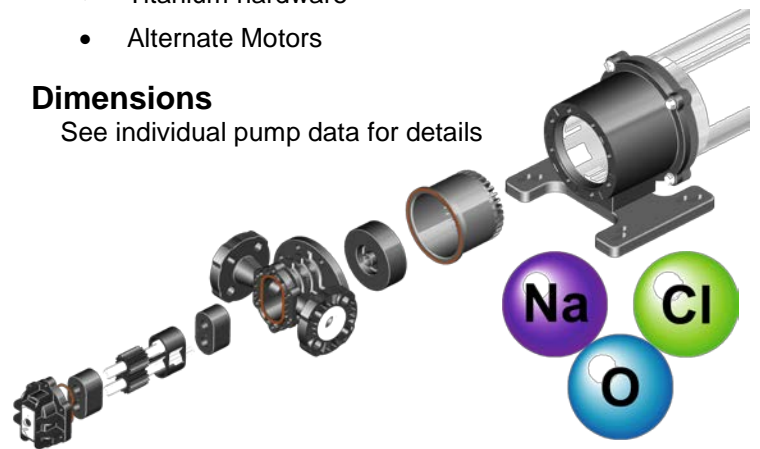
Housings and containment can: PVDF
 Magnet : Neodymium Encapsulated Virgin ETFE
 Gears and Liners: Carbon Reinforced PTFE
 Shafts : Alumina Ceramic
 Bearings: Graphite-Impregnated Silicon-Carbide
 O-rings : FKM
 Port Size and Type: thread and flanged, varies by model
 (1/4" or ISO 7-1 to 1.5" ANSI 150# or DIN 32/40)
 Gear Type: External Spur Gear
 Direction of Rotation: Bi-directional
 Maximum Differential Pressure: 150 psig (10 bar)
 Maximum Allowable Working Pressure: 200 psig (14 bar)
 Maximum Speed: 1750 rpm
 Maximum Fluid Temperature: 150°F (66°C)
 Maximum Suction Lift: 29 inHg
 NPSHr: 2ft (0.6m) at 1750 RPM
 Motor Frame Sizes- NEMA: 56C to 213/215TC
 IEC: 63 to 100/112 B14 Face

Custom Engineered Designs and Options

- Chemical Feed Systems
- Special Chem-duty, wash down duty, inverter-duty, 1000:1 turndown motor with SS shafts, moisture resistant windings, and epoxy coated
- O-Rings-Perfluoroelastomer (FFKM)
- MPC Vector for speed control
- Gear Reducers
- Titanium hardware
- Alternate Motors

Dimensions

See individual pump data for details



pulsafeeder.com



2883 Brighton Henrietta Townline Road
 Rochester, NY 14623
 Phone: ++1 (585) 292-8000
 Fax: ++1 (585) 424-5619



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