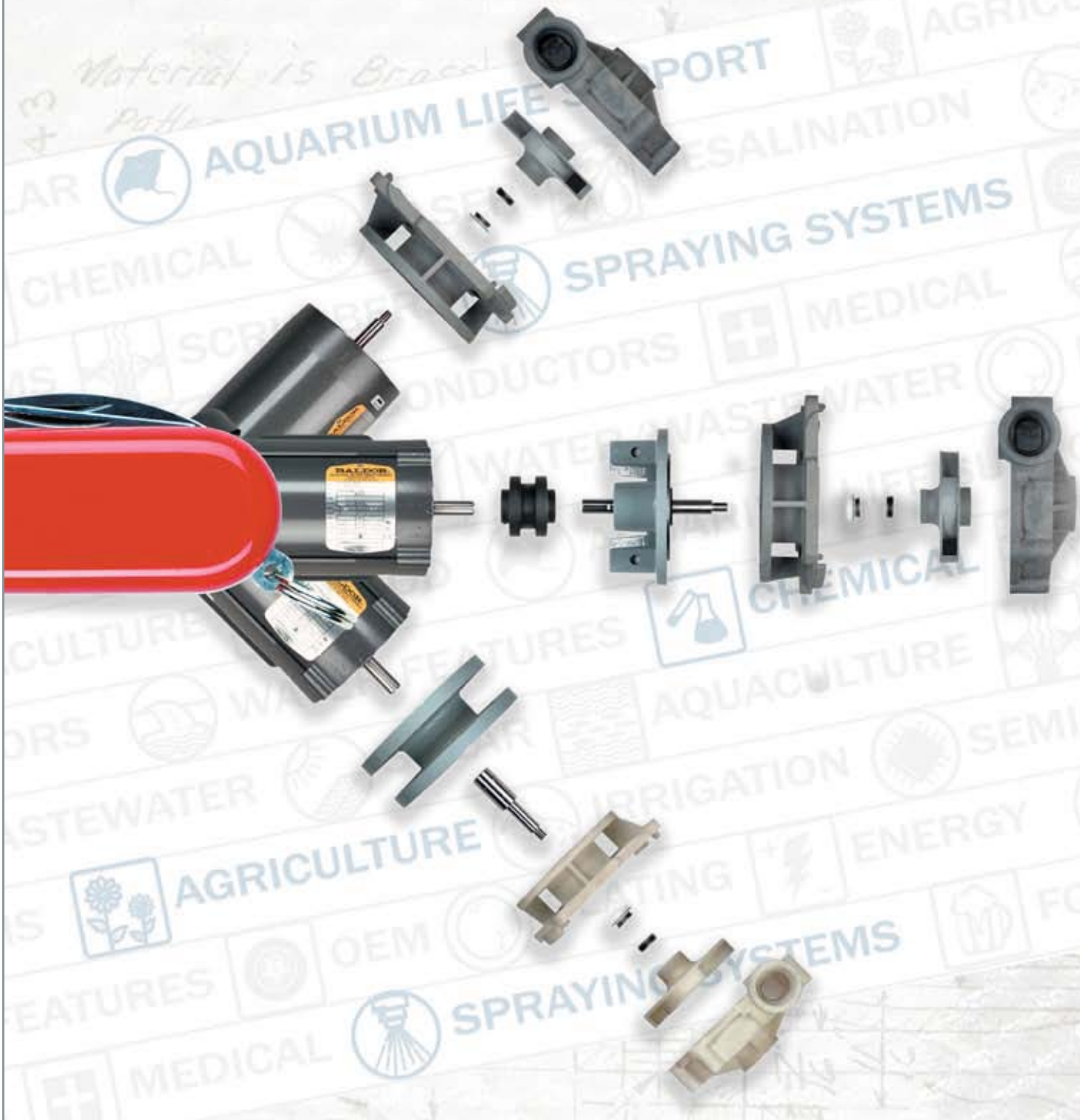
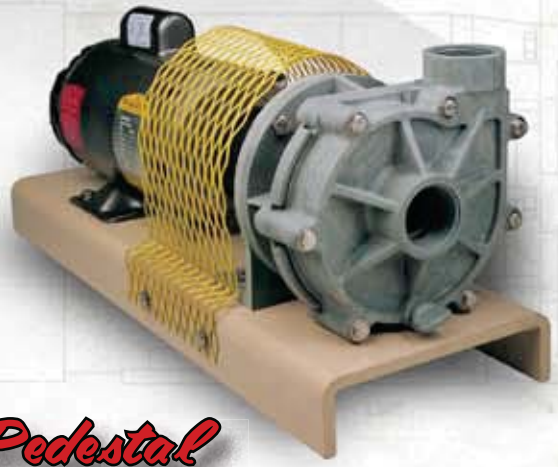
ADVANCE 1000



Reliable, Corrosion Resistant Chemical Pumps

Close-Coupled and Extension Bracket

The Advance 1000 is designed to mount directly to NEMA 56J motors (C-face, threaded shaft), which are readily available in 1ø and 3ø, ODP, TEFC & TENV configurations. An extension bracket and 316 S.S. extension shaft are available to enable the use of a NEMA 56C motor (C-face, keyed shaft), which are also available in explosion-proof & chemical duty configurations.



Pedestal

A heavy-duty, pedestal mount power frame is available for long coupling to a variety of motors, PTO, and engine drives.

Design: The Advance 1000 is molded out of high-quality glass-filled Noryl®, which gives it many advantages. It has good resistance to most acids, alkalis and inorganics. Noryl® has excellent tensile strength, very low water absorption, and a continuous temperature rating of 194° F.

We also offer the Advance 1000 line in polypropylene. The design of the pump, coupled with the chosen resins, produces a strong, durable, versatile unit. When used with the patented Impenatra® seal, the fluid pumped does not contact any metal parts. This allows it to properly handle many applications at a fraction of the cost of exotic alloys.

Applications: Typical applications serviced by the Advance 1000 include laser coolers, filtration systems, deionized water transfer, waste water reclamation, pressure spray systems, fountains, plating chemical transfer and recirculation, fume scrubbers, pollution control equipment, and transfer of chemical process fluids.

Corrosion Resistance:

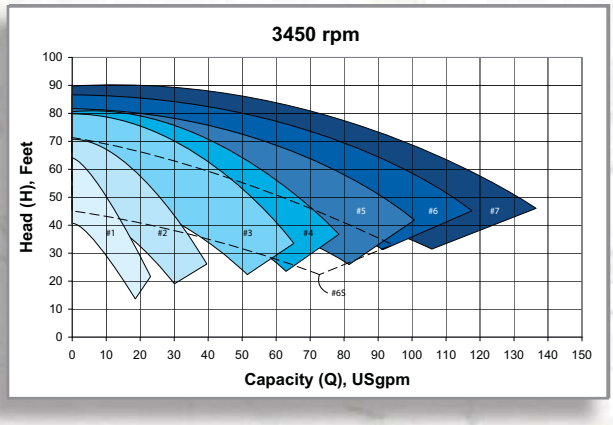
Here is a small sampling of the chemicals handled:

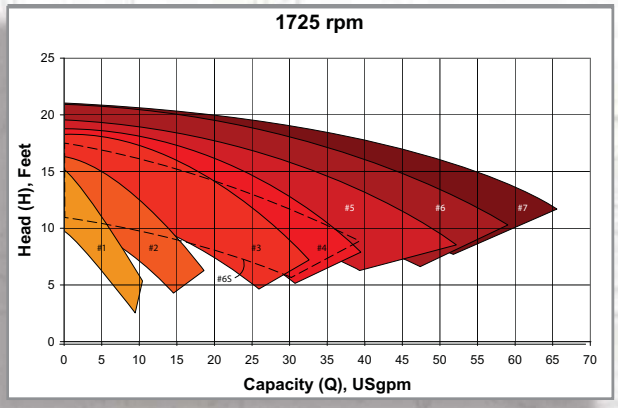
- Sodium Hydroxide (10%)
- Ammonium Hydroxide (10%)
- Sodium Bicarbonate (SAT.)
- Ammonium Phosphate (SAT.)
- Potassium Bicarbonate (SAT.)
- Demineralized Water
- Ferric Chloride (SAT.)
- Ethylene Glycol
- Acetic Acid (10%)
- Nitric Acid (10%)
- Hydrochloric Acid (10%, 37%)
- Sulphuric Acid (10%, 60%)
- Nickel Plating Solutions
- Phosphoric Acid

Performance: Engineered for high efficiency, Advance impellers are available as semi-open or enclosed to accommodate a wide variety of flows, pressures and fluids. The standard impeller trims deliver the performances listed at 60 HZ. [3450 RPM]. Contact factory for 50Hz performances.

Versatility: The pump can be close coupled to a 56J motor or mounted to a pedestal. Both single and three phase motors in ODP and TEFC enclosures are readily available. An adapter kit is available to convert a 56C keyed-shaft motor to a 56J mount. A variety of elastomers, seals, impellers, and motors, can be combined to meet your exact requirements. All units are bench tested prior to shipping.

Marketing: We are structured to sell unassembled pump ends, as well as completely assembled pump and motor units. We specialize in serving OEM's and distributors throughout the world.





Noryl® is a registered trademark of GE.

ADVANCE
ADVANCE PUMPS

Advance Pumps • MDM Inc.
325 Karen Lane • Colorado Springs, CO • 80907
719.634.8202 (Local) • 719.634.8317 (Fax)
800.447-8342 (Toll Free)
www.mdminc.com

MDM