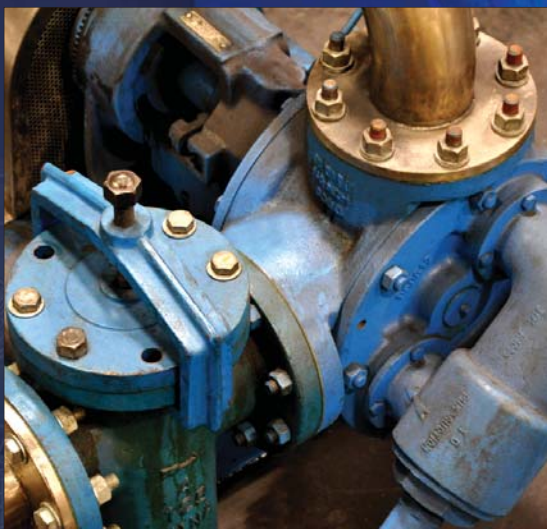


PUMP DIVISION

SOUTHERN CALIFORNIA

line card



R.F. MacDonald Co.

your boiler & pump solutions team

~ since 1956

YOUR PREMIER SUPPLIER OF PUMPS, PARTS, REPAIRS AND FABRICATED SYSTEMS

For half a century, R.F. MacDonald Co. has been in the business of supplying and servicing pumps, boilers and flow meters to industrial and commercial customers in California and Nevada. We represent over 35 of the highest quality equipment manufacturers in the industry to ensure we apply the right product for your application.

Our experienced technical sales staff will carefully evaluate your fluid pumping needs and provide custom equipment solutions with reliability and process improvement in mind. For your convenience we maintain sales and service offices in a number of strategic locations.

We believe in servicing what we sell, 24 hours a day, 7 days a week. We maintain full service/repair facilities in Hayward, Modesto, Fresno, Reno and Santa Fe Springs. Our factory trained and certified technicians repair all makes and models of pumps. Our field services include trouble-shooting, repair, installation, certified welding, operator training, laser alignment and vibration analysis.

Our huge pump unit and parts inventory combined with our multiple locations ensures fast and reliable service anytime day or night.

We also provide in-house fabrication services for assembling pump packages and custom systems into pre-piped and wired skids, simplifying field installation requirements.

We would be honored to serve your needs.



AIR OPERATED DIAPHRAGM PUMPS

ARO

- Air-Operated Diaphragm Pumps
- Metallic and Non-Metallic
- Compact Pumps
- Flap Valve
- Ported Powder Transfer
- Drum Pump Packages
- Piston Pumps
- Dewatering and Solids Handling
- Sanitary
- UL Fuel Transfer

CENTRIFUGAL PUMPS



- Food Processing
- Hot Oil
- Refrigeration
- Solids Handling
- Stringy Material and Sludge



- Commercial
- HVAC
- Industrial
- In-Line Circulators
- Multi-Stage In-Line Boiler Feed
- Stainless Steel Components
- Sump & Well Pumps
- BoosterpaQ Systems



- Centrifugal Pumps
- Magnetically Driven
- Close-Coupled
- Pressed Stainless Steel
- Variable Frequency Drives
- Vertical and Horizontal Pumps



- Gear and Centrifugal Pumps
- Close Coupled or Long Coupled
- Threaded or Flanged Ports
- Corrosion Resistant
- Sealed or Mag Drive
- Compatible with NEMA & IEC Motors
- Base Plate Mounting Options
- Variable Speed Drives
- Gear Reducers



- Full Line of Pumps
- End Suction Close Coupled
- Frame Mounted
- Horizontal Split Case
- Effluent and Sump Pumps
- Full Factory Packaged Systems
- Special Service Pumps
- Sewage and Non-clog Pumps
- Low NPSH End Suction
- Two Stage End Suction



- Full Line of Non-Metallic Pumps
- Vertical Centrifugal
- Bearingless
- CHEM-GARD® Horizontal Centrifugal Pumps
- FLEX-I-LINER® Rotary Peristaltic Pumps
- PUMP/TANK® Nonmetallic Systems



- Sanitary Pumps
- Centrifugal
- Rotary Lobe

METERING PUMPS



- Diaphragm Dosing
- Digital
- Pulse Control
- Hydraulically Driven
- Digital Control Interface
- Disinfection Systems
- Stroke Speed and Frequency Control

HIGH-PRESSURE PUMPS



- Flows to 320 gpm
- Plunger & Piston
- Pressures to 7,000 psi



- Regenerative Turbine Pumps
- Boiler Feed & Booster Services
- Condensate Return
- Flows to 150 gpm & pressures to 1,000 psi
- Low flow - High Head
- Refrigeration
- Seal-less Mag Drives

TURBINE PUMPS



- Line Shaft and Submersible
- Deepwell Lineshaft Turbine Pumps
- Short Set Lineshaft Turbine Pumps
- Surface Mount Vertical Turbine
- Mixed Flow Pumps

PORTABLE PUMP CARTS

- Designed to Customer's Specification
- Complete Control Systems
- Startup Services Available

ROTARY PUMPS



- Full Line of Rotary Gear Pumps
- Sealless Pumps
- High Speed Compact
- Motor Speed
- Abrasive Liquid
- Ammonia Pumps
- LP Gas Pumps
- Asphalt Pumps
- Vane Pumps
- Gear Reducers
- Rotary Lobe Pumps
- Basket Strainers



- Abrasive Handling
- Gear Type
- Rubber Lined

MONITORING AND CONTROLS



- Pump Control Products
- Variable Frequency Drive Systems
- Control, Protection and Optimization



- Packaged Pumping Systems and Pump Controls for Golf, Landscape, Municipal Potable & Wastewater, Retrofit, and Reverse Osmosis/ Membrane Filtration
- Pump Controls
- Variable Frequency Drives
- Custom Designs
- Centrifugal Pumps
- Protective Enclosers

MECHANICAL SEALS



- Cartridge Seals
- Cooling & Flush Systems
- Gas Seals
- Packing
- Repairs
- Single & Double
- Split
- Solids Separators

SUBMERSIBLE PUMPS



- Corrosion Resistant Effluent



- Effluent and Sump Pumps
- Primary Sludge
- Primary Circulation
- Non-Clog Dry and Wet Pit

RELIEF VALVES



- Hydraulic Bypass Relief Valves
- 3/8" to 3"
- 1 to 2,000 PSI
- Threaded and Flanged
- Brass, CI, Steel and Stainless

Additional Products and Accessories

- | | | |
|----------------|---------------|-----------------|
| Strainers | Couplings | Flow Meters |
| Filters | Mixers | Pressure Gauges |
| Motors | Gear Reducers | Thermometers |
| Starters | VFD Inverters | Flex Connectors |
| Control Panels | | |

CORPORATE

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Fresno, CA 93706
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Las Vegas, NV 89102
702.220.6680

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Santa Fe Springs, CA 90670
714.257.0900

MODESTO

1549 Cummins Drive
Modesto, CA 95358
209.576.0726

RENO

8565 White Fir Street, Unit B2
Reno, NV 89523
775.356.0300

SONOMA/NAPA

642 Martin Avenue, Suite B
Rohnert Park, CA 94928
707.586.9234

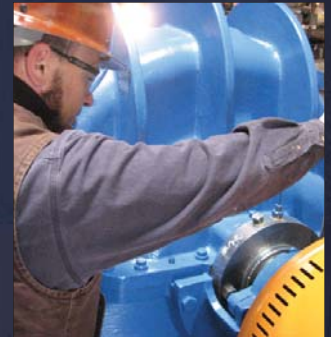
SAN DIEGO

P.O. Box 1867
Poway, CA 92074
858.538.5877

Concept, Design, Maintenance

PUMP REPAIR SPECIALISTS

- Factory Trained Technicians
- Field Service, Troubleshooting, Training, Repair, Laser Alignment and Vibration Analysis
- In-House Machine and Milling
- Mechanical Seal Failure Diagnosis and Repair
- One-Year Warranty
- Preventive Maintenance Programs
- Pump Design and Material Upgrades
- Training Seminars



INSTRUMENTATION AND CONTROLS GROUP

- Building Management System Interface
- Conductivity and PH Control
- Flow and Pressure Measurement
- Level and Pressure Control
- Variable Frequency Pump Drive Systems



FABRICATED SYSTEMS

- Condensate Systems
- Process Cooling Water
- Pump Booster Systems
- Hot Water and Boiler Skids
- Custom Design
- Fast Turnaround
- In-House Design / Build Team



24-HOUR EMERGENCY REPAIR SERVICE

www.rfmacdonald.com



VISION To provide a superior workplace environment, that attracts and retains the best employees in the industry, fostering an attitude that provides our customers with the most innovative, responsive and results oriented effort possible.