

# WATER & WASTEWATER INDUSTRY

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## Choose Baldor's Mechanical Products For Your Water and Wastewater Treatment Needs

### Water

Delivering an adequate and continuous supply of water for residential, public, commercial, fire, and industrial utilization is a fundamental objective of every water treatment plant. At Baldor, we understand the criticality of providing uninterrupted water supply and have designed mechanical power transmission products and solutions for high performance and superior reliability. Our products are built to perform dependably under conditions such as constant moisture, extreme temperatures, and chemical exposure. Baldor is dedicated to providing products that reduce your plant's operating costs and meet the increasing demand for water.



Quantis reducer in flocculation.

### Wastewater

Overcoming the challenges of an aging infrastructure and managing operating and capital costs is among the top concerns today in the Wastewater Industry. With over a century of experience, Baldor designs and manufactures innovative, robust, efficient mechanical power transmission products that are built to last in the harshest of environments. Our corrosion resistant materials and coatings, along with advanced sealing technologies were developed with demanding wastewater applications in mind. These features result in improved output, reduced downtime, less costly operation and maintenance, and more reliable performance. Baldor is committed to offering products and services to address the wastewater issues now and into the future.



BioDisc on rotating biological contactor.

## Power Matched Solutions

Baldor offers a full line of field proven, high performance mechanical, motor, and drive solutions specifically designed for the Water and Wastewater Industries. Baldor's solutions help improve overall plant reliability and meet the ever increasing challenge to deliver better performance while reducing operating costs.

WATER TREATMENT PROCESS						
Process Application / Equipment	Bearings	Couplings	Reducers			System-1
	Mounted Set Screw & Set Screw Medium Duty Ball Bearings Mounted Spherical & Tapered Roller Bearings	Elastomeric (Para-Flex, D-Flex) Flexible Metallic (Grid-Lign) Rigid (Taper-Lock, Ribbed)	Vertical Gear Motor	Quantis Reducers	Torque Arm II Reducers	
Raw Water Pumps	✓	✓	✓			✓
Screening	✓	✓		✓	✓	✓
Flash Mixing / Coagulation	✓	✓		✓	✓	✓
Gentle Mixing / Flocculation	✓	✓		✓	✓	✓
Sedimentation	✓	✓				✓
Transfer Pumps	✓	✓				✓
Vertical Pumps		✓	✓	✓		✓
Filtration	✓	✓				✓
Aeration	✓	✓				✓
Disinfection & Fluoridation	✓	✓				✓
Finished Distribution Pumps	✓	✓				✓
Booster Station Pumps	✓	✓				✓



# Solving Customer Problems with Industry Focused Products and Expertise

As a value added service, Baldor has a dedicated team of industry specialists that apply process expertise, application solutions, technical support, and product knowledge to solve customer problems, such as recurring failures or excessive maintenance. This includes designing “drop in” solutions to replace obsolete products.

Please contact your local representative for more information.

WASTEWATER TREATMENT PROCESS								
	Bearings	Couplings	Reducers					
Process Application / Equipment	Mounted Set Screw & Set Screw Medium Duty Ball Bearings Mounted Spherical & Tapered Roller Bearings	Elastomeric (Para-Flex, D-Flex) Flexible Metallic (Grid-Lign) Rigid (Taper-Lock, Ribbed)	Vertical Gear Motor	MagnaGear / Maxum Reducers	Quantis Reducers	Torque Arm (MTA, TA II) Reducers	Bio Disc Reducers	System-1
Lift Station Pumps	✓	✓	✓	✓				✓
Screw Pumps	✓	✓		✓		✓		✓
Transfer Pumps	✓	✓						✓
Vertical Pumps		✓	✓	✓	✓			✓
Screening	✓	✓		✓	✓	✓		✓
Mixers	✓	✓			✓	✓		✓
Grease & Grit Removal	✓	✓			✓	✓		✓
Primary Clarifier	✓	✓			✓	✓		✓
Aeration (RBC, Disc)	✓	✓			✓	✓	✓	✓
Activated Sludge Processing	✓	✓						✓
Secondary Clarifier	✓	✓			✓	✓		✓
Flocculation	✓	✓			✓	✓		✓
Disc Filtration	✓	✓			✓	✓		✓
Tertiary Processing	✓	✓						✓
Disinfection	✓	✓						✓
Sludge Digestion	✓	✓						✓
Conveying/Solids Handling	✓	✓			✓	✓		✓
Dry Sludge Finishing/Filter Press	✓	✓			✓	✓		✓

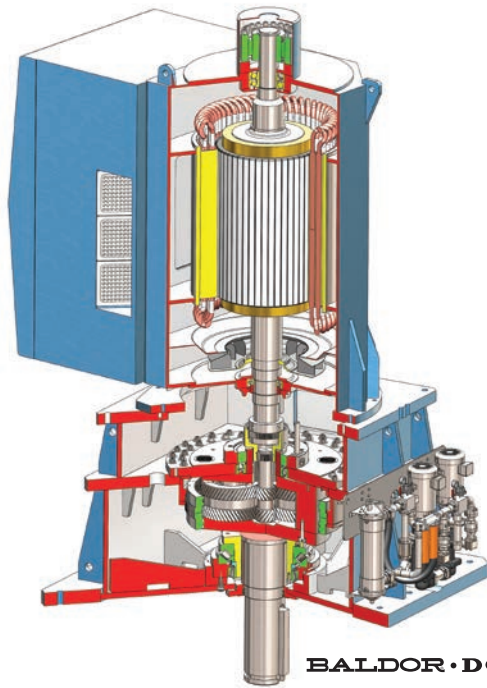
## System-1

Baldor's System-1 is a single source for all your mechanical and electrical drive system needs. System-1 assists with design, quotation and order processing of variable frequency drives, motors, couplings, gearing, mounted bearings and services into complete package solutions. This packaged solution incorporates our technical product knowledge, engineering, design expertise and project coordination into a single quote and single purchase order. The benefits to our customers are optimized product selection, preassembled package, lowest overall project cost and single source warranty. Contact your local representative for additional information.





# High HP Vertical Gearmotor for Low Speed Pumps



BALDOR • DODGE

Traditional motor systems for low speed pumps involve heavy, expensive and large high pole count synchronous motors. The innovative Baldor technology combines a single gear reducer with a low pole count ABB or Baldor•Reliance induction motor. The output speed allows operation of the pump system at the best efficiency point and is not dependent on the motor pole count.

Get your pumping operation up and running efficiently, and with less impact on your overall system, using the leader in vertical gearmotor technology... Baldor.

[baldor.com](http://baldor.com) [dodge-pt.com](http://dodge-pt.com)

- 10-30% less weight
- Smaller footprint
- Lower capital investment
- High efficiency of low pole count motor
- Efficient for low speed pump operations
- Mechanical soft start optional

**BALDOR**  
A MEMBER OF THE ABB GROUP

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