

Water & Wastewater Treatment Solutions

**MULTISTAGE CENTRIFUGAL
BLOWERS/EXHAUSTERS**

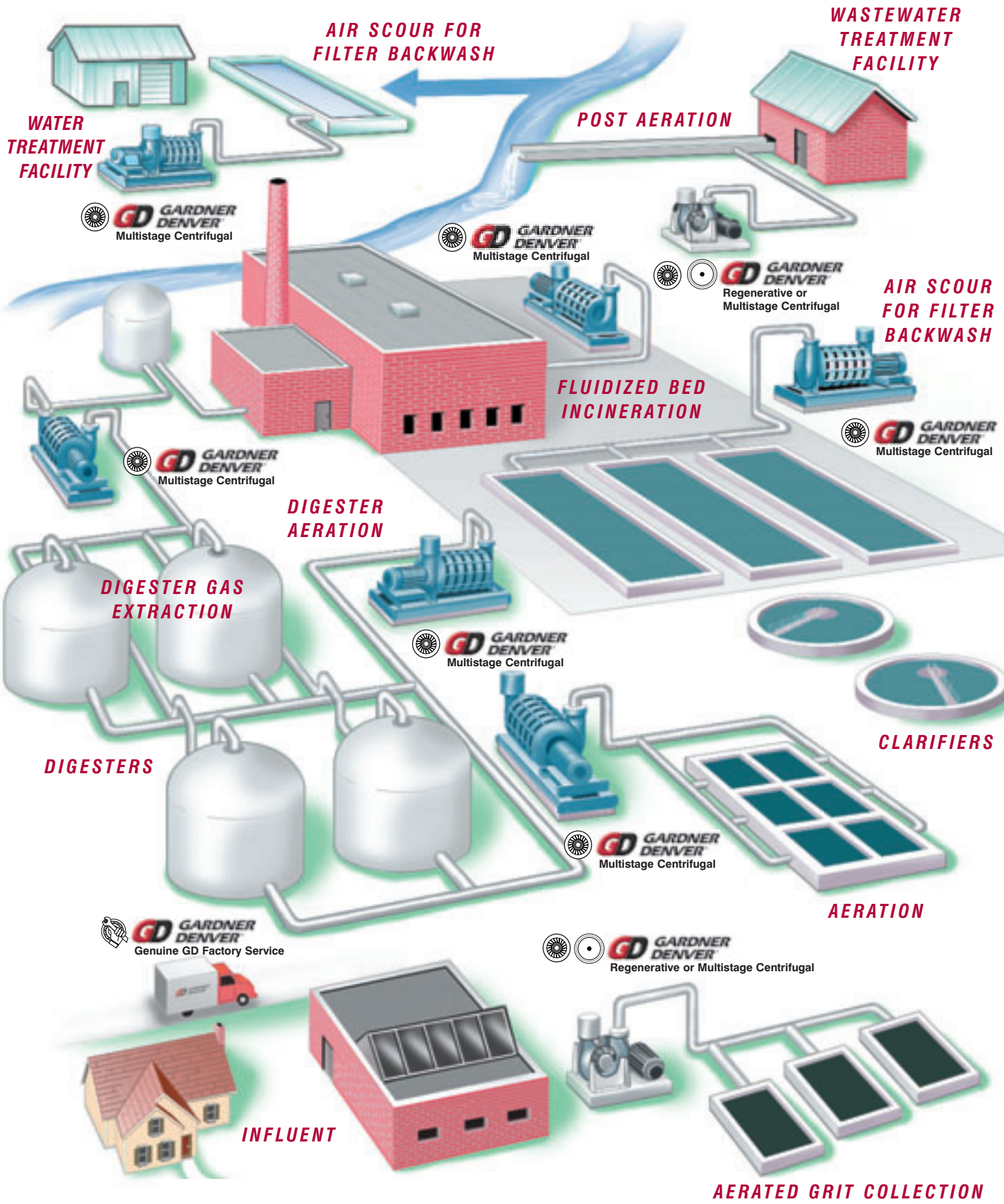
**REGENERATIVE
BLOWERS/EXHAUSTERS**

**MONITORING AND
CONTROL SYSTEMS**

**FACTORY SERVICE,
GENUINE GD PARTS**



Gardner Denver® Blowers/Exhausters Providing Process Air for Water and Wastewater Treatment Plants



One Name – Three Times The Advantage



For more than 100 years, three names have been synonymous with blower and exhauster solutions for wastewater treatment applications: Lamson®, Hoffman® and TurboTron®. Today, those legacies are joined, under the Gardner Denver® name, creating the most comprehensive blower/exhauster offering in the world – the Gardner Denver® brand.

Anchored in tradition, this new Gardner Denver blower/exhauster line-up continues a century long commitment to providing customers with innovative design, a comprehensive product line, quality manufacturing and unparalleled responsiveness to customer requirements and service.

Today, as the largest manufacturer of blowers/exhausters in the world, our number one priority continues to be developing long-term relationships with our customers. We are continually improving delivery and response times, while setting the highest performance standards in the industry.

Never in the history of blower/exhauster manufacturers has there been a company as capable of delivering great value, exceptional quality and quick turnaround on orders. So, the next time you're evaluating blower/exhauster options for your wastewater treatment facility, call a Gardner Denver professional sales representative to assist you with your application challenges and requirements. Our factory trained representatives are conveniently located throughout the United States and around the world.

Gardner Denver Water & Wastewater Treatment Solutions



Only Gardner Denver offers the most successful and comprehensive multistage centrifugal blower offering the world has ever known. With several hundred thousand installations worldwide, the Gardner Denver brand combines the Hoffman and Lamson heritage, each with nearly 100 years of quality innovation and experience. The Gardner Denver brand of multistage centrifugal blowers represents a proven history of performance and the assurance of dependability with exceptional quality, design, materials and workmanship.

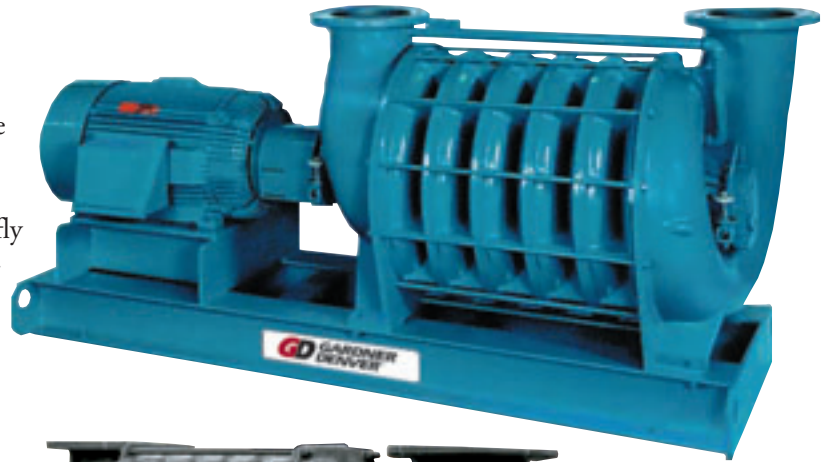
Whether you're treating water for a clean water supply or treating wastewater, Gardner Denver offers the widest and most comprehensive range of blowers/exhausters and engineered package solutions of any manufacturer in the world. At Gardner Denver we know that every treatment facility has its own unique design and output capacities. As experts in blower technology, we can match these requirements. From our Gardner Denver® multistage centrifugals to our regenerative blowers/exhausters, Gardner Denver offers the latest technology best suited to maximize productivity and minimize energy costs for your operation.

All of our blowers/exhausters, monitoring control systems and engineered packages represent the highest quality workmanship in the industry using the finest materials, state-of-the-art machining equipment, assembly and testing processes available today. Our dedication to design and quality assures you that the product you get is the best in the industry. Our design engineers incorporate the features most important to you, using the most advanced engineering software available. What's more, we offer the latest in application specific controls and monitoring equipment, factory service programs, genuine Gardner Denver parts and quality lubricants. Specify Gardner Denver, your one source for water and wastewater treatment application solutions.



Multistage Centrifugal Solutions

Gardner Denver® multistage centrifugals are the proven standard for water and wastewater treatment applications requiring continuous, low-noise operation with minimal maintenance requirements. Primarily used for aeration and aerobic digestion, Gardner Denver multistage centrifugals can be throttled via an inlet butterfly valve making them an excellent choice for controlling dissolved oxygen concentrations (DO) in the wastewater. Gardner Denver exhausters can also be used in sludge digestion to exhaust the digester gases for channel aeration and in filter backwash applications. Gardner Denver offers a wide range of blowers/exhausters, each having its own unique performance characteristics and design features to match your application requirements. Gardner Denver blowers/exhausters are available in complete engineered solution packages featuring electric, steam turbine or VFD drives.



- Airflow to 41,000 cfm
- Pressure to 22 psig
- Vacuum to 17.6 "Hg



Regenerative Solutions

The Gardner Denver regenerative blower/exhauster is designed to provide continuous flow, low noise, pulse-free air, with the versatility to perform in numerous water and wastewater, air and gas applications. The regenerative solution features a revolutionary impeller design, achieving multistage compression with a single impeller and is virtually maintenance free. There is only one moving part and no timing gears. The Gardner Denver regenerative blower/exhauster can be specified for use as a quiet choice for grit aeration, channel aeration, aerobic digestion, sludge digestion and digester gas booster applications and is available as an individual blower/exhauster unit or as a complete engineered package.



- Airflow to 900 cfm
- Pressure to 13 psig
- Vacuum to 14 "Hg





Gardner Denver Monitoring and Control Systems



When you're responsible for a water or wastewater treatment plant, you need control systems to properly operate your blowers/exhausters. It's important to protect vital equipment from conditions that may lead to catastrophic mechanical failure, costly downtime or voiding your manufacturer's warranty. At Gardner Denver, we engineer a variety of monitoring and control systems capable of providing you with the protection and information you need to keep your operation running at peak efficiency. Designed for wastewater system dissolved oxygen (DO) applications, our Master Dissolved Oxygen Control System (MDOCS) programmable logic control (PLC) system is the answer to controlling more complex blower configurations found in wastewater treatment operations. Gardner Denver® monitoring and control systems safeguard a variety of conditions that include motor current, motor temperature, blower vibration, bearing temperature, bearing oil level, discharge temperature, inlet vacuum and outlet pressure.



Gardner Denver Factory Service

WARRANTY RENEWAL PROGRAM – THE BEST WAY TO PROTECT VALUABLE ASSETS

Only Gardner Denver offers this Preventative Maintenance Program as your assurance that your centrifugal blower will run for years to come at peak efficiency. It starts with a qualifying service call by a factory technician. A factory warranty is issued for the following year covering any failures. The annual cost is usually less than one emergency service call.



FACTORY BLOWER/EXHAUSTER REBUILDS

When extensive repairs are required, remanufacturing can be a cost effective alternative to purchasing a new blower. Factory technicians completely disassemble, clean, inspect, remanufacture and test your blower with factory parts and Gardner Denver lubricants to original performance specifications and provide a Factory Warranty. This service is performed at three locations: Peachtree City, GA; Fishers, IN; and Houston, TX.

ON-SITE REPAIRS

Gardner Denver understands the importance of minimizing blower/exhauster downtime. Most repairs can be made on site by our factory trained service technicians, located in strategic areas throughout the country. This saves you costly shipping charges and downtime production losses. You can be assured your blower is being repaired with genuine factory parts and only Gardner Denver can give you a factory warranty after the repair. The Emergency Help Line is available 24 hours a day /7 days a week for technical or service assistance at 1-800-308-7245.



TROUBLESHOOTING AND TRAINING

Our Gardner Denver factory trained technicians are also capable of other on-site services to optimize blower life and performance, reduce downtime and increase productivity, including problem analysis (e.g., vibration analysis), alignment and start-up assistance. Running your blower at peak efficiency will result in savings through reduced energy consumption, minimized downtime, lower maintenance costs and reduced parts inventory. Our service professionals are available to help you.

BUYBACK / EXCHANGE / RENTAL PROGRAMS

Gardner Denver also has rental blowers available for emergencies and refurbished blowers for sale. Customers needing to increase or decrease blower capacity should consider Gardner Denver's Exchange Program. Gardner Denver will also buy back suitable blowers under the Buy-Back Program.

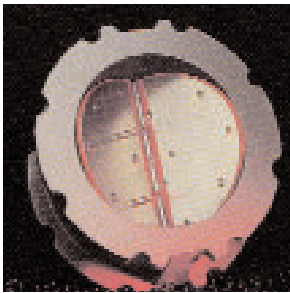


Genuine Gardner Denver Parts, Accessories and Lubricants



- AEON™ Centrifugal Blower Lubricants
- Performance and Application Matched Accessories

Quality parts can only provide years of service life if they are properly lubricated. Insist on Gardner Denver AEON™ CF-150 oil and AEON Lubricating Grease. Both AEON CF-150 and AEON Centrifugal Lubricating Grease are formulated for thermal stability and exceptional oxidation resistance to endure high blower temperatures and protect against corrosion.



Contact Your Gardner Denver Representative

Other Gardner Denver Brochures Available

Gardner Denver Multistage Centrifugal Blower/Exhauster

GD Regenerative Full Flow and Half Flow Blowers/Exhausters

Gardner Denver Service, Parts & Lubricants



Gardner Denver

For additional information, contact your local representative or

Gardner Denver Blower Division

100 Gardner Park, Peachtree City, GA 30269

Toll Free 800-543-7736

Phone 770-632-5000 • Fax 770-486-5629

E-mail: blowersmktg@gardnerdenver.com

Visit our web site: www.gardnerdenver.com

For Parts Information, Contact:

Gardner Denver Blower Division Customer Service

Toll Free 800-982-3009

Phone 770-632-5000 • Fax 770-486-5530