

M-D Pneumatics®

# Pneumatic Conveying

*M-D Pneumatics® Positive Displacement Blowers*

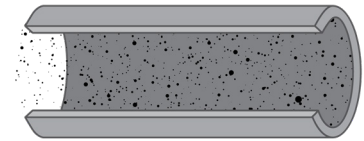


# Dense & Dilute Phase CONVEYING SOLUTIONS

Many leading Original Equipment Manufacturers (OEMs) request M-D Pneumatics blowers for their applications - ranging from food-grade items to hazardous substances. Our diverse PD blower portfolio ensures your system requirements are met with reliable, clean oil-free air.

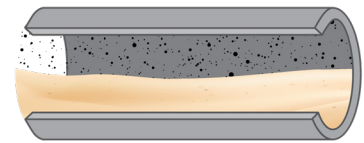
From start to finish, M-D Pneumatics is your conveying solution. With a range of pressure and flow rates, even the most frangible items can be efficiently transported.

| Industry                         | Application                                        |
|----------------------------------|----------------------------------------------------|
| Cement & Lime                    | Fluidization & Burner Feeding                      |
| Power Generation                 | Fly Ash Conveying & Aeration                       |
| Bulk Material Handling           | Railcar Unloading                                  |
| Pulp & Paper                     | Chip Conveying & Process Vacuum                    |
| Catalyst Producers               | Handling of Sensitive Materials                    |
| Baking                           | Dry ingredient Transport & Blending                |
| Resin & Plastic                  | Processing & Conveying                             |
| Pharmaceutical                   | Contamination-Free Handling                        |
| Food Packaging                   | Food Handling                                      |
| Recycling                        | Conveying                                          |
| Pet Food                         | Post-Extruder Transportation                       |
| Petroleum                        | Carbon Black / Prills                              |
| Adhesive & Sealant Manufacturing | Bulk Material Handling                             |
| Chemical                         | Soda Ash & Sodium Bicarbonate                      |
| Fertilizers & Agriculture        | Transportation of Chemically Aggressive Substances |



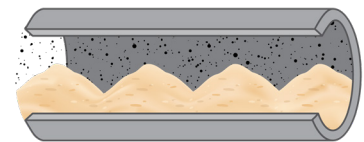
## DILUTE PHASE CONVEYING

High velocity system well suited for continuous conveying



## SEMI-DENSE PHASE CONVEYING

Medium-rate transfer offers lower particle degradation and abrasive wear at a higher velocity than dilute

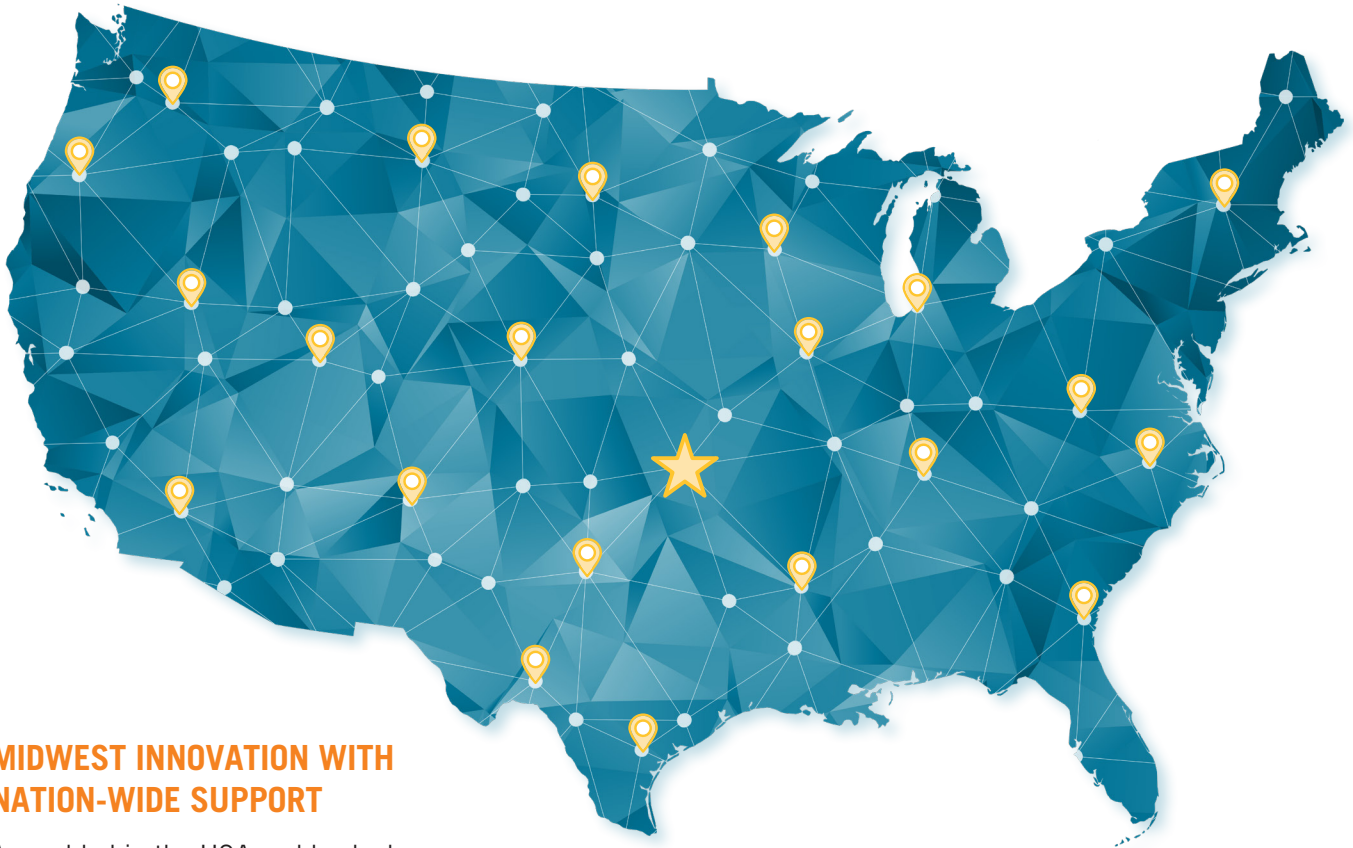


## DENSE PHASE CONVEYING

Low velocity suited for fragile or abrasive materials



# M-D Pneumatics is your *Trusted Partner* in Industrial Applications



## MIDWEST INNOVATION WITH NATION-WIDE SUPPORT

Assembled in the USA and backed  
by a network of experienced sales  
and service professionals.



# Your Systems Are Not All The Same – **WHY SHOULD YOUR BLOWER BE?**

Choosing the right blower isn't just about specs, it's about understanding the total system dynamics. M-D Pneumatics' diverse product offering gives you the flexibility to scale, customize, and optimize blower performance for a wide range of applications—while also ensuring long-term reliability and serviceability. Our experts can provide tailored solutions to your exact application.

## **M-D PNEUMATICS' BLOWER LINEUP INCLUDES:**

- Heavy-duty blowers for high-pressure or high-capacity demands
- Compact models for space-constrained environments
- Optional tri-lobe designs for added noise and vibration reduction
- Models with enhanced cooling for extreme operating conditions
- Corrosion- and contaminant-resistant variants
- Customizable port orientation and flexible mounting



### **CP Series**

Best in class  
pressure



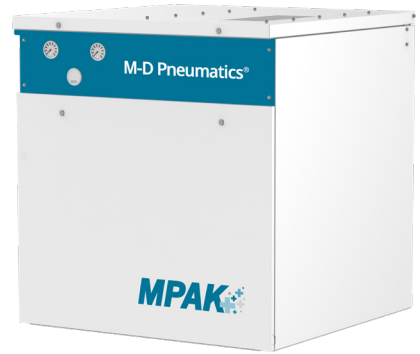
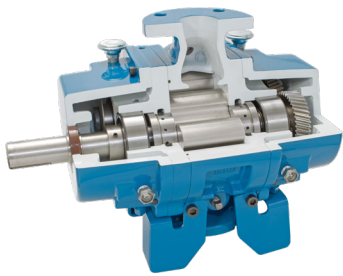
### **Equalizer RM**

Wide range  
of pressure



### **Equalizer DF**

Robust  
with easy  
maintenance



**Qx**

Quieter  
Operation



**PD Plus**

Gas or air  
service –  
customizing  
options



**Blower  
Packages**

Multiple  
Configurations

## FLEXIBILITY & EASY MAINTENANCE

# CP SERIES

Designed for flexibility and ease of maintenance. The CP series can be field converted without any special tools or additional components. With dual oil sight glasses and magnetic drain plugs, maintaining proper oil levels and extending the life of your blower is a breeze.

- Grease or dual-splash lubrication models
- Tri-Lobe rotor profile options for reduced noise levels
- Triple lip seals standard for leak free operation
- Magnetic drain plugs standard on all models
- Timed with precision helical gears, keyed to the rotor shafts

## *Reduced Pulse = Lower Noise Levels*

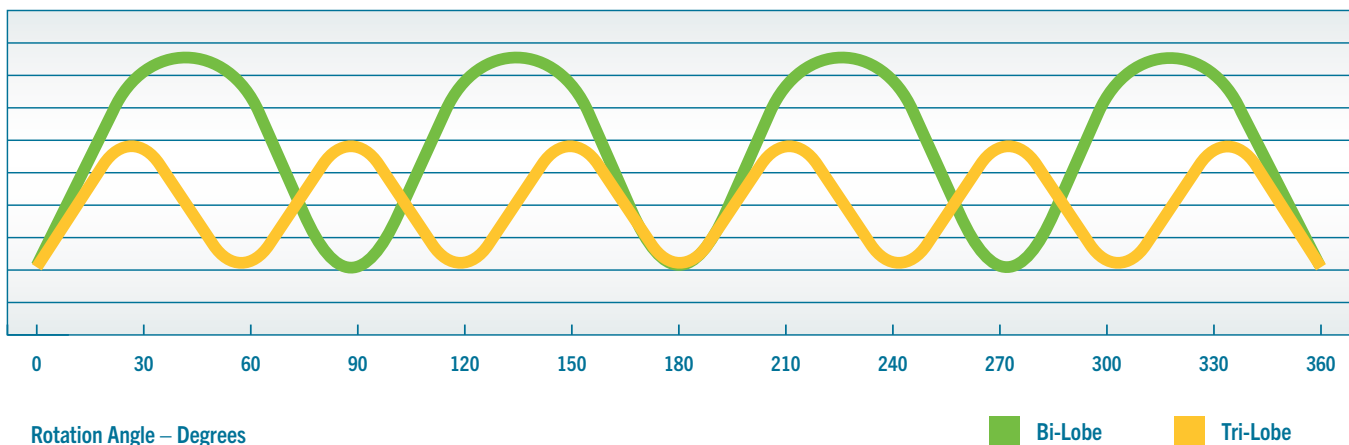
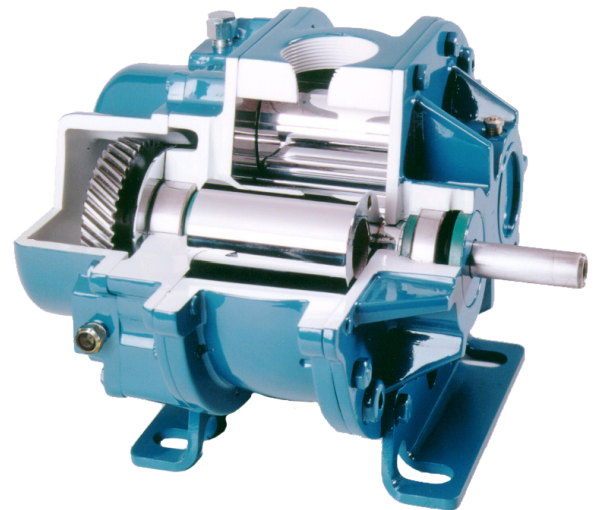
Reduced pulsations, smoother airflow, and the added benefit of lower noise levels. For installations where sound levels are a concern, M-D Pneumatics tri-lobe rotor profiles offers a solution.

Protect your process. Reduced pressure pulsation decreases the wear on your downstream systems, extending equipment life and minimizing maintenance costs. This results in greater operational efficiency and long-term reliability.

### DETAILS AT A GLANCE

|              |         |
|--------------|---------|
| MAX PRESSURE | 15 PSI  |
| MAX VACUUM   | 16 inHg |
| MAX CFM      | 841     |

Tri-lobe rotor profiling available in the following blower sizes:  
CP 3003, CP 3006, CP 4005, CP 4007, CP 5006, and CP 5009



## COMPACT & PRECISION MACHINED

# EQUALIZER RM & DF

The Equalizer RM and DF series are designed for reliable, quiet operation and easy interchangeability with equivalent models from other manufacturers. Precision machined single piece housing for increased durability – built for your application and built to last. The Equalizer series offers a compact footprint with convertible flow configuration to fit your specific system layout.

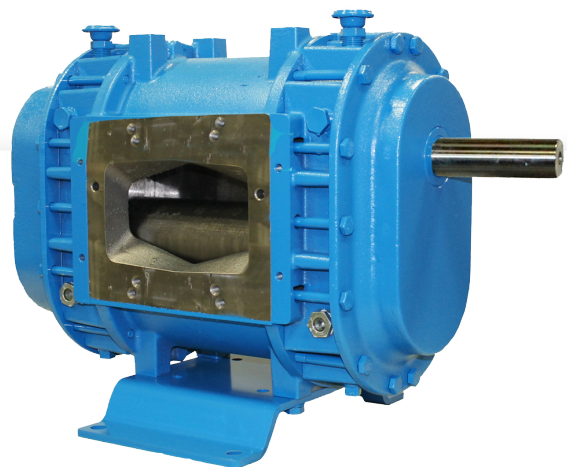
- Compact design with one-piece housing
- Bi-directional rotation with field-convertible flow configuration
- Precision helical gears for quieter operation
- Range of pressures to fit multiple application requirements
- Dynamically balanced rotors to prevent clash and resulting downtime



### Equalizer RM

#### DETAILS AT A GLANCE

|              |           |
|--------------|-----------|
| MAX PRESSURE | 10-18 PSI |
| MAX VACUUM   | 16 inHg   |
| MAX CFM      | 3154      |



### Equalizer DF

#### DETAILS AT A GLANCE

|              |           |
|--------------|-----------|
| MAX PRESSURE | 15-18 PSI |
| MAX VACUUM   | 16 inHg   |
| MAX CFM      | 1156      |



## HIGH PRESSURE, LOW NOISE

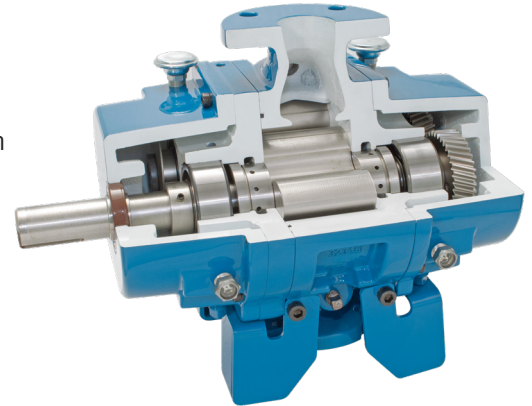
# Qx SERIES

The Qx Series is a high-performance, energy-efficient rotary positive displacement blower for installations where noise levels are a concern. Tri-Lobe rotor profiling and robust case design contribute to dBa reductions without sacrificing efficiency. Designed for durability, the Qx includes precision helical gears, bi-directional rotation, and long-life bearings with oil lubrication on both ends.

- Larger shaft diameter and double ball bearings for additional strength
- Dual splash lubrication for longer blower life and easy maintenance
- Energy-efficient, high-performance design
- Precision helical gears keyed to rotor shafts
- Bi-directional rotation for flexible installation

### DETAILS AT A GLANCE

|              |         |
|--------------|---------|
| MAX PRESSURE | 18 PSI  |
| MAX VACUUM   | 17 inHg |
| MAX CFM      | 1750    |



## DESIGNED TO HANDLE TOUGH JOBS

# PD PLUS SERIES

The PD Plus Series is a premium line of heavy-duty rotary positive displacement blowers known for their durability, performance, and array of customization options – capable of handling the most difficult industrial applications. **Where others can't...the PD Plus can.**

- Suitable for processes using flammable or corrosive gases, as well as steam processing
- Single Envelope and Double Envelope seals available for enhanced leak protection
- Standard instrumentation ports for pressure and temperature sensing devices

### DETAILS AT A GLANCE

|              |         |
|--------------|---------|
| MAX PRESSURE | 18 PSI  |
| MAX VACUUM   | 17 inHg |
| MAX CFM      | 9273    |



# Tailored to Perfection

## CUSTOM BLOWER SOLUTIONS

M-D Pneumatics offers custom solutions for your application – our PD Blowers have a range of options available.

- Bi-Lobe and Tri-Lobe rotor profiles
- Single and double gas envelope seals for gas service
- Simriz and Kalrez elastomer options for reactive gas and steam service
- Multiple configurations for flexible installation
- Multiple casting materials to extend the longevity of your blower in harsh applications:
  - » Cast Iron
  - » Bi-Protect Coated Cast Iron
  - » Ductile Iron
  - » Cast Steel
  - » Stainless Steel

# Keep Your Blower Running Strong

## GENUINE AFTERMARKET PARTS

Genuine aftermarket parts are essential for maintaining the performance and reliability of industrial positive displacement blowers. Blowers play a critical role in industries where consistent airflow is necessary. Using high-quality, genuine M-D Pneumatics replacement parts—such as filters, seals, and bearings—ensures proper fit and function, reducing the risk of costly breakdowns and downtime.

Genuine aftermarket parts help maintain energy efficiency by reducing wear and preventing premature failures. In contrast, low-quality parts can cause friction, misalignment, or air leaks, leading to higher operational costs and system inefficiencies.

### Benefits of Genuine Aftermarket Parts:

- Ensures proper fit and optimal performance
- Reduces downtime and costly repairs
- Maintains energy efficiency and airflow
- Prevents premature wear and failures
- Extends the blower's service life



# Factory Assembled, Factory Warrantied

## THE COMPLETE PACKAGE

M-D Pneumatics offers a range of blower packages to cover your industrial needs, with both standardized and engineered to order options available



### DETAILS AT A GLANCE

|              |         |
|--------------|---------|
| MAX PRESSURE | 13 PSI  |
| MAX VACUUM   | 14 inHg |
| MAX CFM      | 550     |

### MPAK+

- Fully enclosed with sound dampening foam inserts
- Standardized unit for quicker delivery time



### DETAILS AT A GLANCE

|              |         |
|--------------|---------|
| MAX PRESSURE | 14 PSI  |
| MAX VACUUM   | 16 inHg |
| MAX CFM      | 550     |

### MD10 / MD20

- Unenclosed for easy maintenance
- Suitable for indoor and outdoor installations



### DETAILS AT A GLANCE

|              |         |
|--------------|---------|
| MAX PRESSURE | 15 PSI  |
| MAX VACUUM   | 17 inHg |
| MAX CFM      | 1494    |

### PneuPak

- Optional accessory kits for enhanced customization
- Maintenance friendly design
- Bi-Lobe and Tri-Lobe rotor profiling options



## DETAILS AT A GLANCE

MAX PRESSURE 18 PSI

MAX VACUUM 17 inHg

MAX CFM 1600

## Engineered to Order

**FOR SPECIAL APPLICATIONS  
REQUIRING ENGINEERED BLOWER  
PACKAGES, WE CAN DESIGN AND  
MANUFACTURE SPECIFICALLY  
TO YOUR REQUIREMENTS AND  
OPERATING CONDITIONS.**

## DETAILS AT A GLANCE

MAX PRESSURE 18 PSI

MAX VACUUM 18 inHg

MAX CFM 9000

## Qube

- Features the Qx Series blower for enhanced dBA reduction and higher operating pressure
- For installations where noise levels are a primary concern
- High efficiency

- Configured to meet your exact needs
- Available with the full suite of M-D Pneumatics PD blowers
- Optional control systems and one-site startup
- Approval drawings provided

- Multi-stage blower packages available for high pressure operation
- Control systems for automatic operation available
- Special materials of construction available
- Wide range of testing available



# M-D Pneumatics®

## LOCAL CONTACT:

PNEU-VAC AIR, LLC  
7637 Commerce Street, Corcoran MN 55340  
customerservice@pneuvacair.com  
763-762-4080  
pneuvacair.com

[www.md-kinney.com](http://www.md-kinney.com)