

Gardner
Denver

POSITIVE DISPLACEMENT BLOWER

Cement Solutions



It's all about...

the Cement Industry

Positive displacement blowers are an integral part of the cement industry for a variety of applications throughout the cement manufacturing process. Gardner Denver continues to design and develop the most efficient technologies in the market to lower your manufacturing cost and increase your bottom line.



Choosing the right blower is critical to maximizing a cement plant's productivity, efficiency and return on investment (ROI)

Your systems are not all the same. Why should your blower be?

Gardner Denver will make sure you are using the right blower for the job tailoring our wide variety of technologies to what is important to you. Cement manufacturers have trusted Gardner Denver and its blowers to do the job decade after decade, with exceptional quality, selection and service before and after the sale.

The Right Blower for Your Cement Application

- Dilute & Dense Phase Pneumatic Conveying
- Fluidization
- Aeration
- Combustion Air
- Burner Feeding
- Cooling
- Gas Recovery
- Handling & Lifting Cement Bags

Stop Wasting Money on Vane Compressor Maintenance

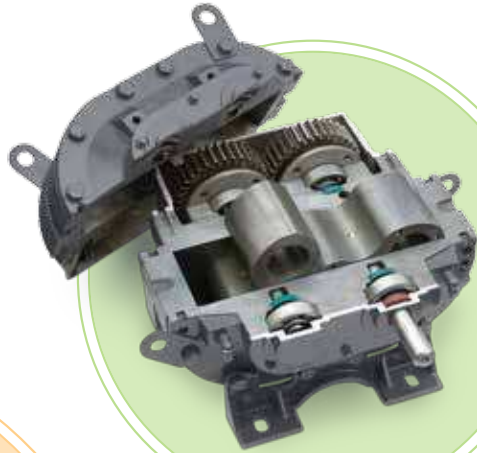
We have low and high pressure solutions with reliable, low maintenance positive displacement blowers

- No Expensive Vane Replacement
- No Vanes: No Catastrophic Failure Due to Breakage
- Oil-Free: No Emissions to Air Stream
- No Expensive Cylinder Lubrication Necessary



It's all about...

your NEEDS



Cost

BI-LOBE

Selection
Tools

QUICKPIK

YO
NEE



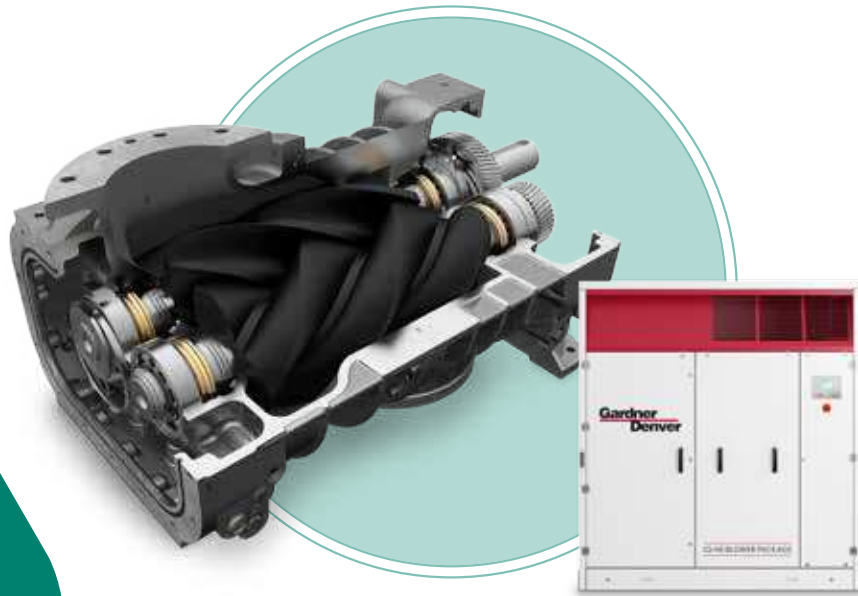
IQ BLOWER
PACKAGE

Package
Options



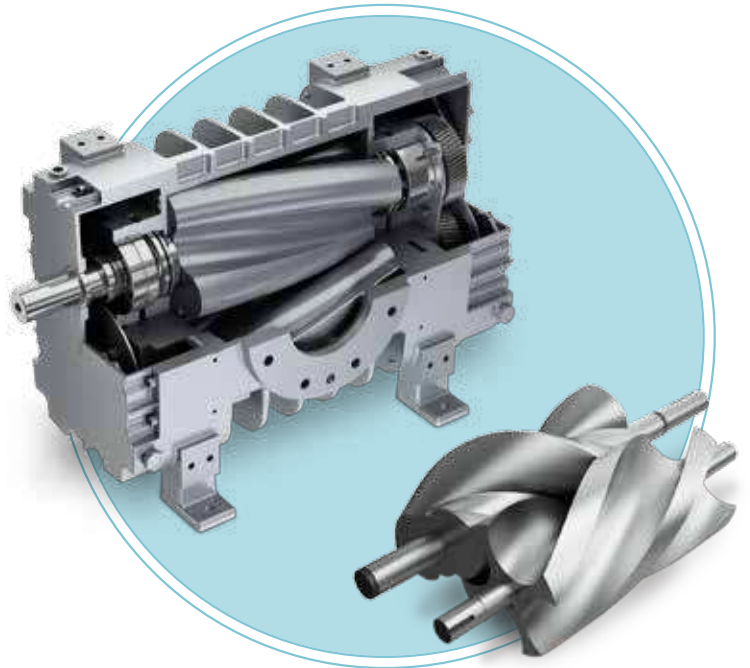
Energy Savings & High Pressure Conveying

HELICAL SCREW



Noise Reduction

HELICAL SCREW & TRI-LOBE



Tough Environments

SOLID BI-LOBE



It's all about...

the Complete Package

Gardner Denver has more blower package options than anyone else

We can help you customize your system to meet your needs. More technology designs provides tailored options for you.

- Smart Design
- Easy Maintenance
- Compact Installation
- Quiet Operation
- Enclosed or Unenclosed Available
- Inverter Duty Motors for VFD Capabilities

IQ-RB

SIMPLE

Straight Tri-Lobe

Pressure to 15 PSI

Vacuum to 15 inHg

5,500 Max CFM

3-500 HP

Fixed Speed

Mechanical Gauges



IQ

SMART

Twisted Tri-Lobe
Pressure to 15 PSI
Vacuum to 17 inHg
1,500 max CFM
7.5-100 HP
Fixed Speed or VFD
AirSmart Controller



IQ-HE

EFFICIENT

3x5 Helical Screw
Pressure to 36 PSI
5,625 Max CFM
7.5-500 HP
Fixed Speed
AirSmart G2 Controller



Patented
Rotor Profile
High Efficiency
up to 36 PSI



It's all about...

Saving Money



TOTAL COST OF BLOWER OWNERSHIP

- Energy
 - Maintenance
 - Investment
- Energy consumption is typically the largest cost of ownership
 - Save BIG with best-in-class energy efficiency
 - Lower your bottom line, increase your profits

INVEST WISELY
REDUCE ENERGY

Save Money

CYCLOBLOWER H.E. VS. STRAIGHT LOBE

BLOWER TECHNOLOGY	BHP USED @ 15 PSI	ENERGY COST PER YEAR
Standard Straight Lobe	163	\$106,695
CycloBlower H.E.	129	\$84,604

*Calculations based on the cost of providing 2,000 cfm of air for 8760 hours (1 year of 24/7 operation) assuming motor drive efficiency of 90% and electricity cost of \$0.09/kWh.

\$22,090

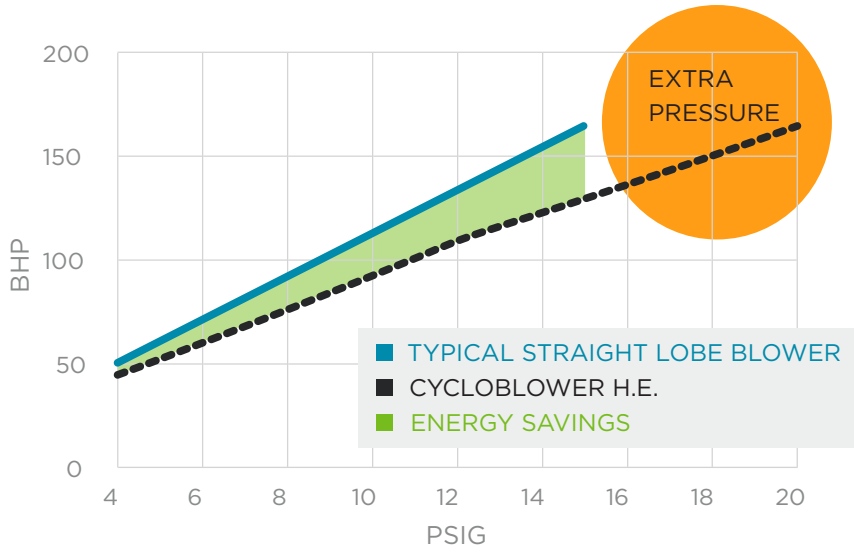
ANNUAL SAVINGS



It's all about...

High Pressure

BRAKE HORSEPOWER REQUIREMENT COMPARISON
at 2000 CFM



Innovation Working for You!

- In many comparable applications, the CycloBlower operates more efficiently
- CycloBlower H.E. delivers higher pressure than other straight-lobe blowers
- Lower Horsepower = Lower Operating Costs
- Higher Pressure = New Conveying Possibilities

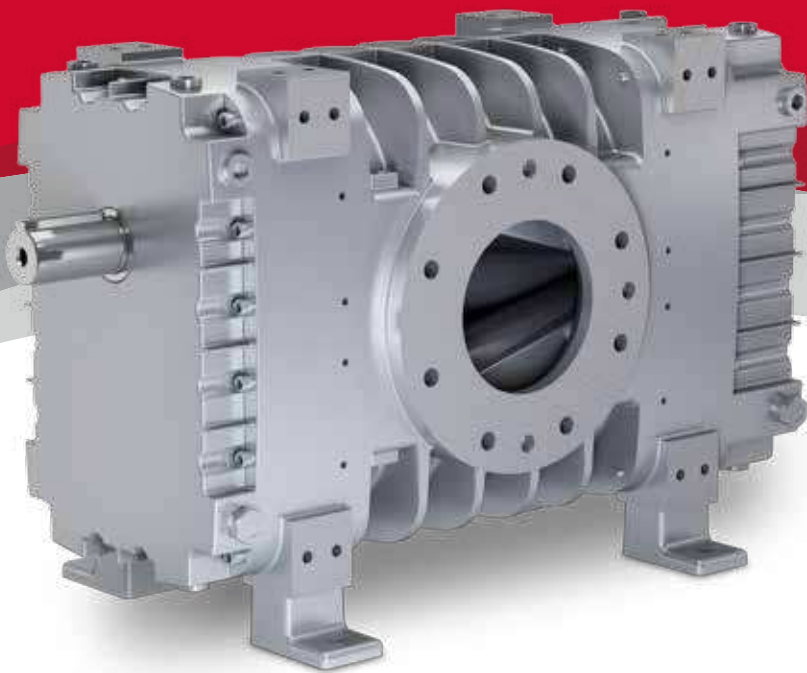
The CycloBlower H.E.

- Perfect for dense phase conveying
- Oil-free compressed air
- Eliminates the need for traditional air compressors
- Best-in-class energy efficiency



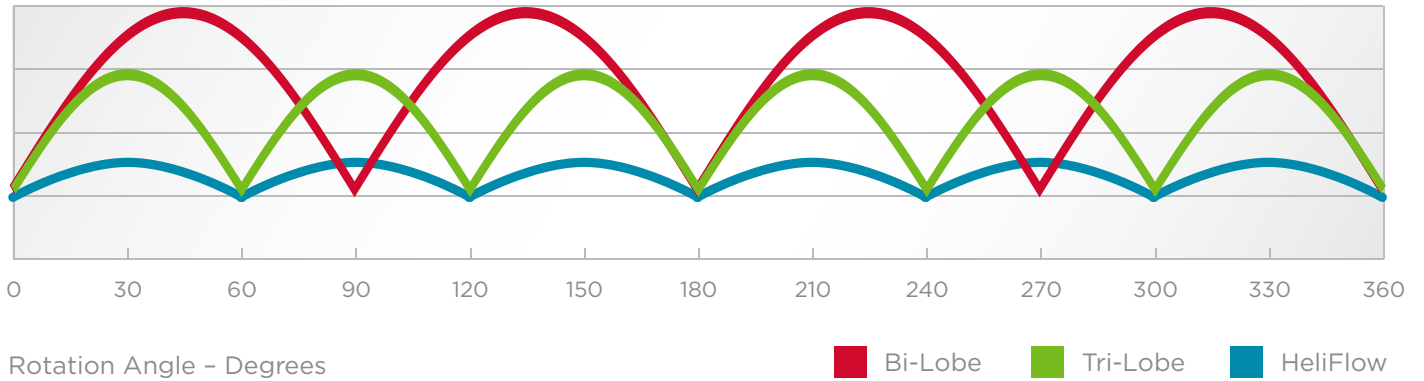
It's all about...

the Pulse



Protect your ears,
Protect your **WORKFORCE**

CHANGE IN PRESSURE PULSE



Lower Noise

Discharge pulsation is the chief contributor to high noise levels. HeliFlow provides the lowest pressure pulse in the lobe blower market. This reduces noise levels by 4-7 dBA over similar sized, straight-lobe blowers.

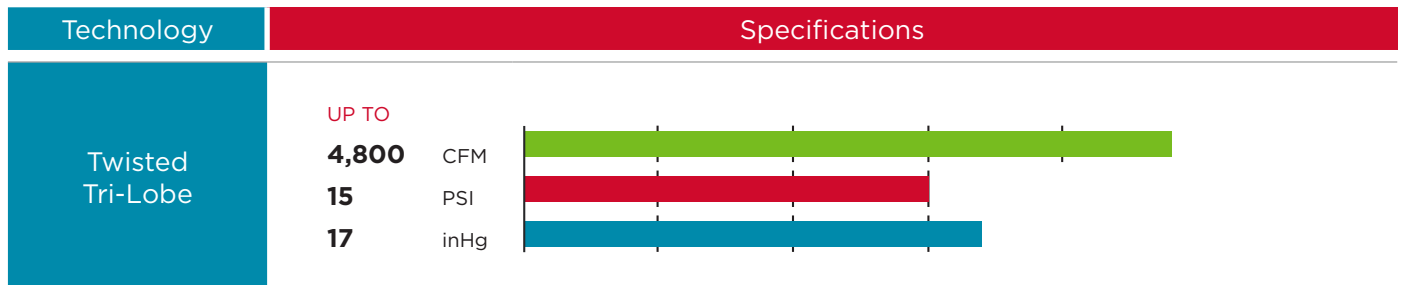
Reduced Pulsations

HeliFlow provides more consistent flow variation, reducing the potential for damage to downstream valves and instrumentation.

Higher Reliability

Discharge pressure pulsation causes axial thrust and higher variations in torque resulting in reduced bearing life. The HeliFlow smooth pulse operation extends the life of the blower.

HELIFLOW



- Significant noise reduction over straight lobe technologies
- Lowest pressure pulses in lobe blower market
- Quiet, shock-free compression
- Reduced Pulsations = Quieter Operation
- Protect your employees hearing and improve safety
- Increased efficiencies

BACKED BY A
2 YEAR
WARRANTY

From date of initial use or
30 months from date of shipment



It's all about...

Toughness

Designed for Dusty, Abrasive Environments

- Solid bi-lobe rotor design prevents build up
- Dual splash lubrication for longer product life
- Advanced oil/air seals for leak free operation
- Oversized bearings for strength and stability
- One piece rotor/shaft for increased durability
- ISO 9001 quality certified



DUROFLOW

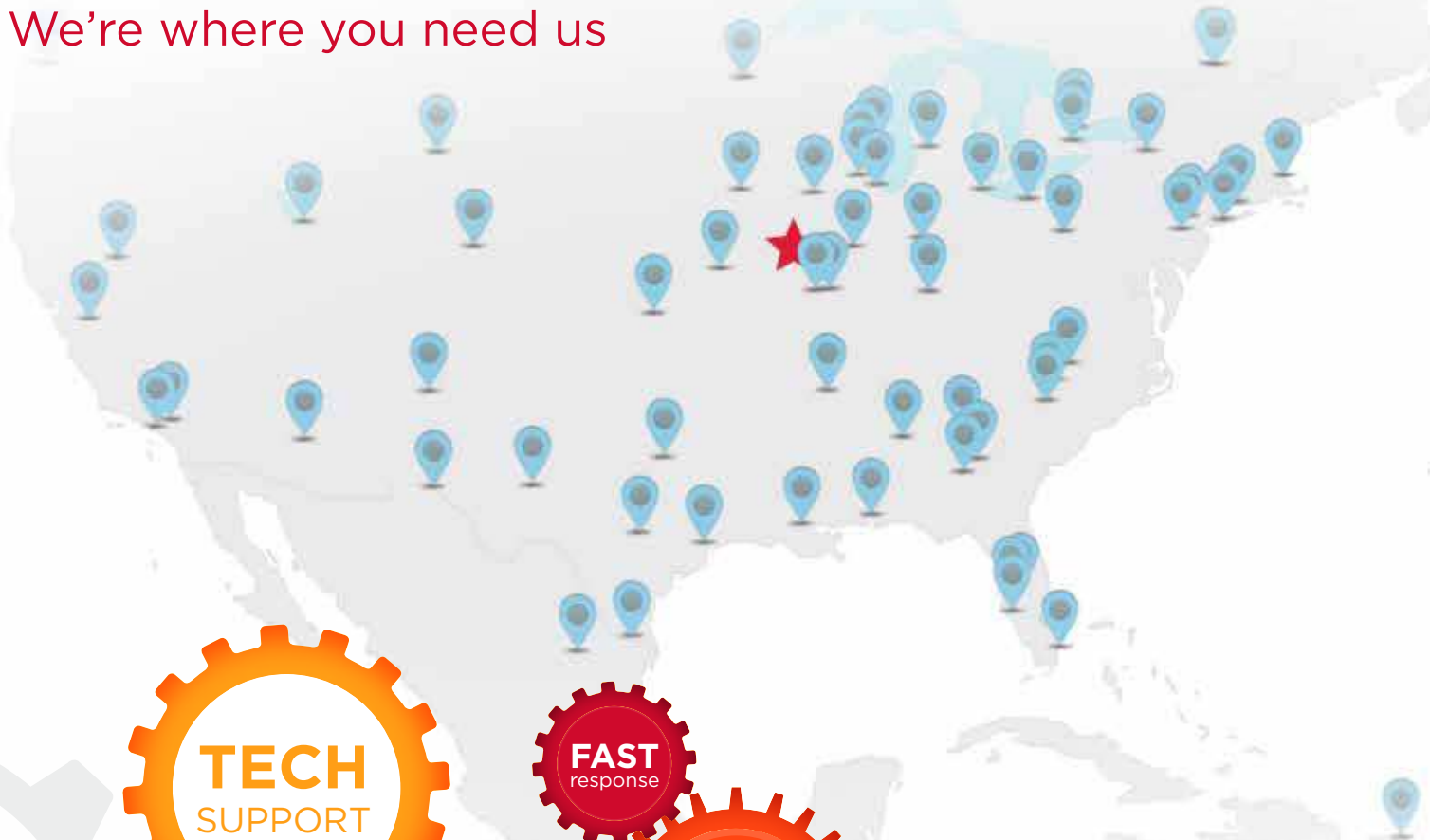
Technology	Specifications									
Bi-Lobe	<p>UP TO</p> <table><tr><td>4,300</td><td>CFM</td><td></td></tr><tr><td>15</td><td>PSI</td><td></td></tr><tr><td>16</td><td>inHg</td><td></td></tr></table>	4,300	CFM		15	PSI		16	inHg	
4,300	CFM									
15	PSI									
16	inHg									



It's all about...

the Network

We're where you need us



It's all about...

the Sizing

QuickPik helps you customize
our products to meet your demands

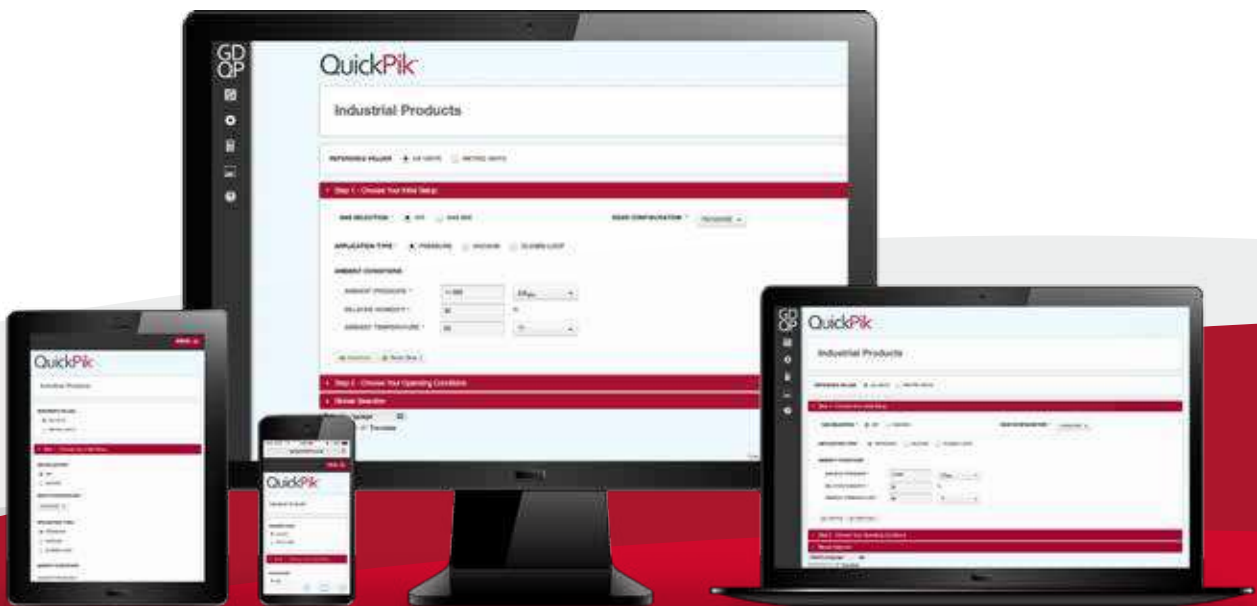
Try it now!
Scan the QR code or visit:

www.GDQuickPik.com



Sizing Made Simple

- Accessible information at your fingertips
- Compare & contrast blowers
- Fit technology to your exact needs
- Mobile-friendly design for your laptop, tablet & phone
- Will work off-line
- Set up and customize your profile
- Save selections for future reference



The leader in every market we serve
by continuously improving all business processes
with a focus on innovation and velocity

Gardner
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