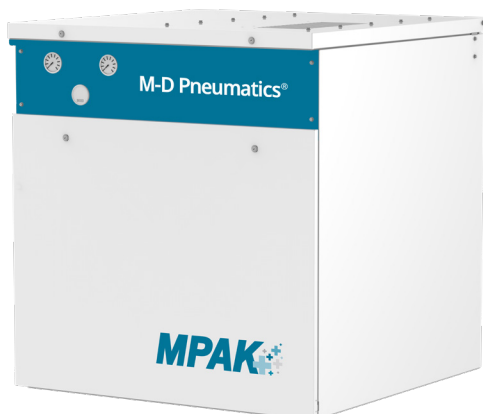


M-D Pneumatics®

Blower Packages

M-D Pneumatics® Positive Displacement Blowers



Blower Packages

Powerful Performance For a Variety of Industries

M-D Pneumatics provides a diverse selection of positive displacement blower packages designed to meet the needs of various industries and applications. These high-performance blower packages ensure efficient and reliable operation in demanding environments.

Whether for industrial processing, wastewater treatment, or pneumatic conveying, our solutions deliver superior airflow and durability. Trust M-D Pneumatics for innovative blower technology that keeps your operations running smoothly.

FACTORY DESIGNED + FACTORY BUILT FACTORY WARRANTIED

Each M-D Pneumatics package is designed around our positive displacement blowers and includes:

- Helical timing gears for quieter operation
- Double row ball bearings for increased blower life
- Rotors with integrally cast shafts for greater strength

TYPICAL APPLICATIONS

WASTEWATER TREATMENT

PNEUMATIC CONVEYING

OIL & GAS

DAIRY MILKING

COMPOST AERATION

SPARGING

DENSE POWDER FLUIDIZATION

FLUIDIZATION FOR FLY ASH

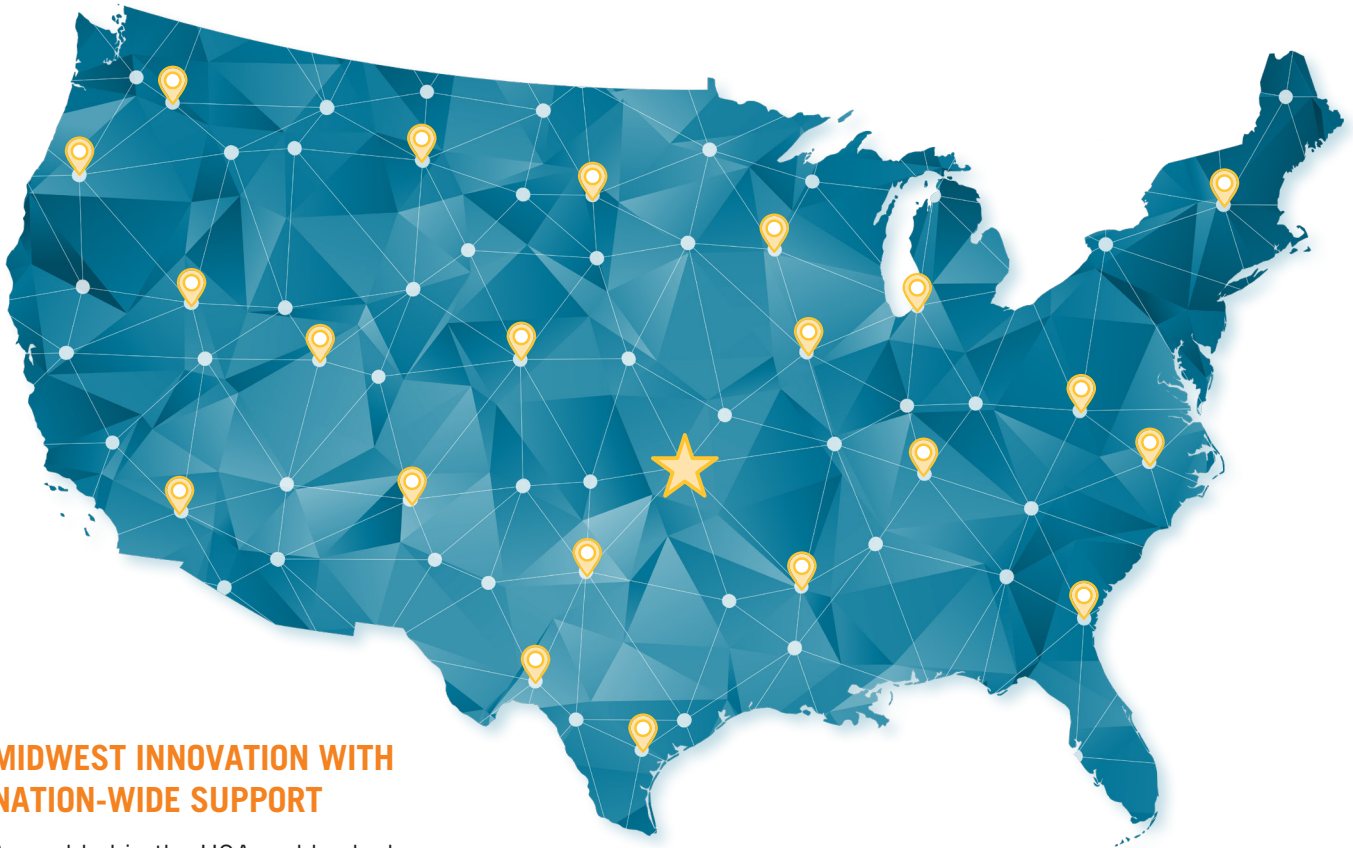
GAS CONVEYING / BOOSTING

WASTE STEAM TRANSFER

BAGHOUSE FILTRATION



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.



Blower Package Family

MAXIMUM PERFORMANCE WITH FASTER DELIVERY

MPAK+ PACKAGE

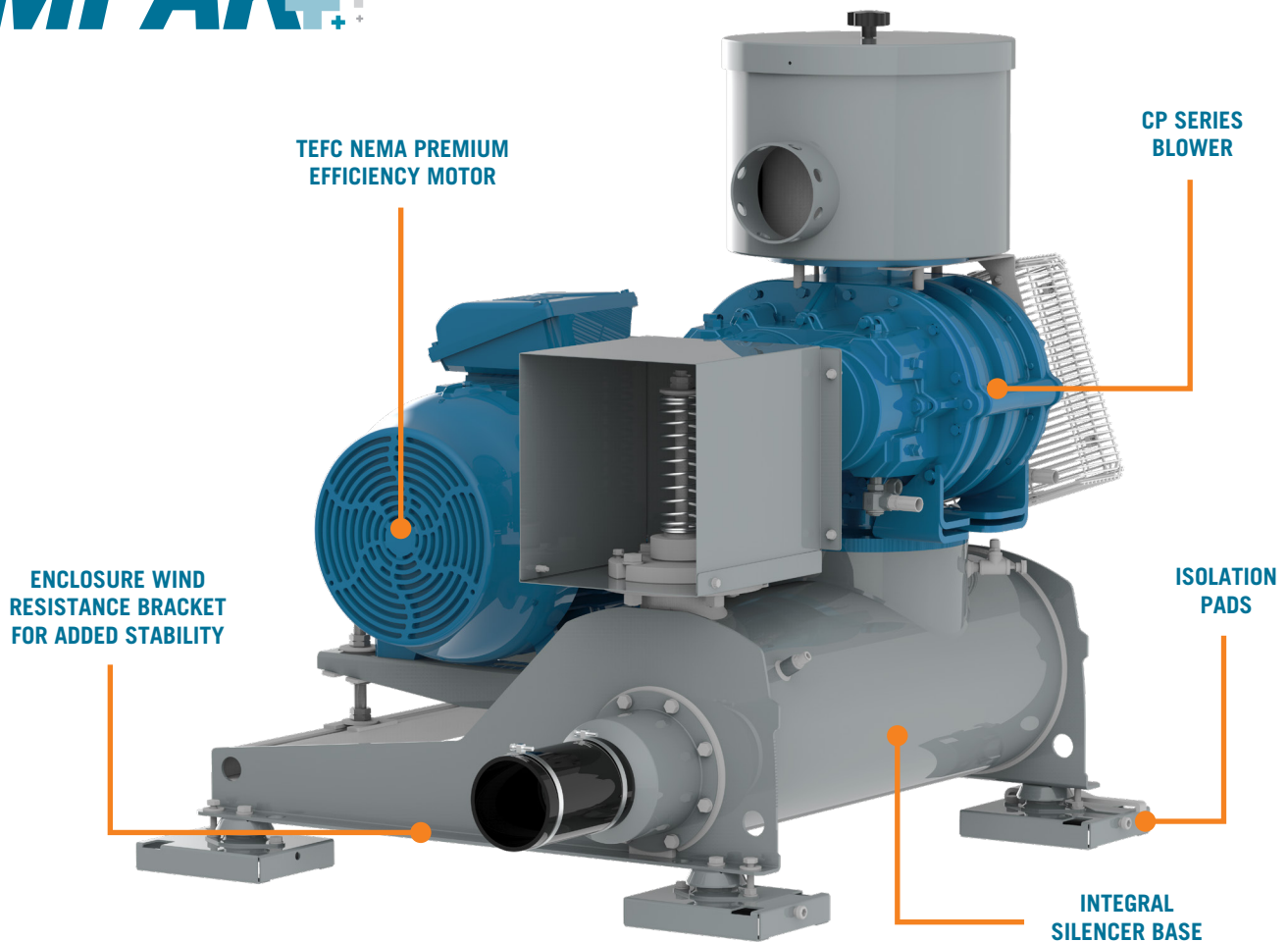
- Standardized package design reduces lead times for faster final delivery
- Minimal startup requirements for ease of installation
- Low cost of entry without sacrificing reliability
- Sound attenuating enclosure for reduced environmental impact

DETAILS AT A GLANCE

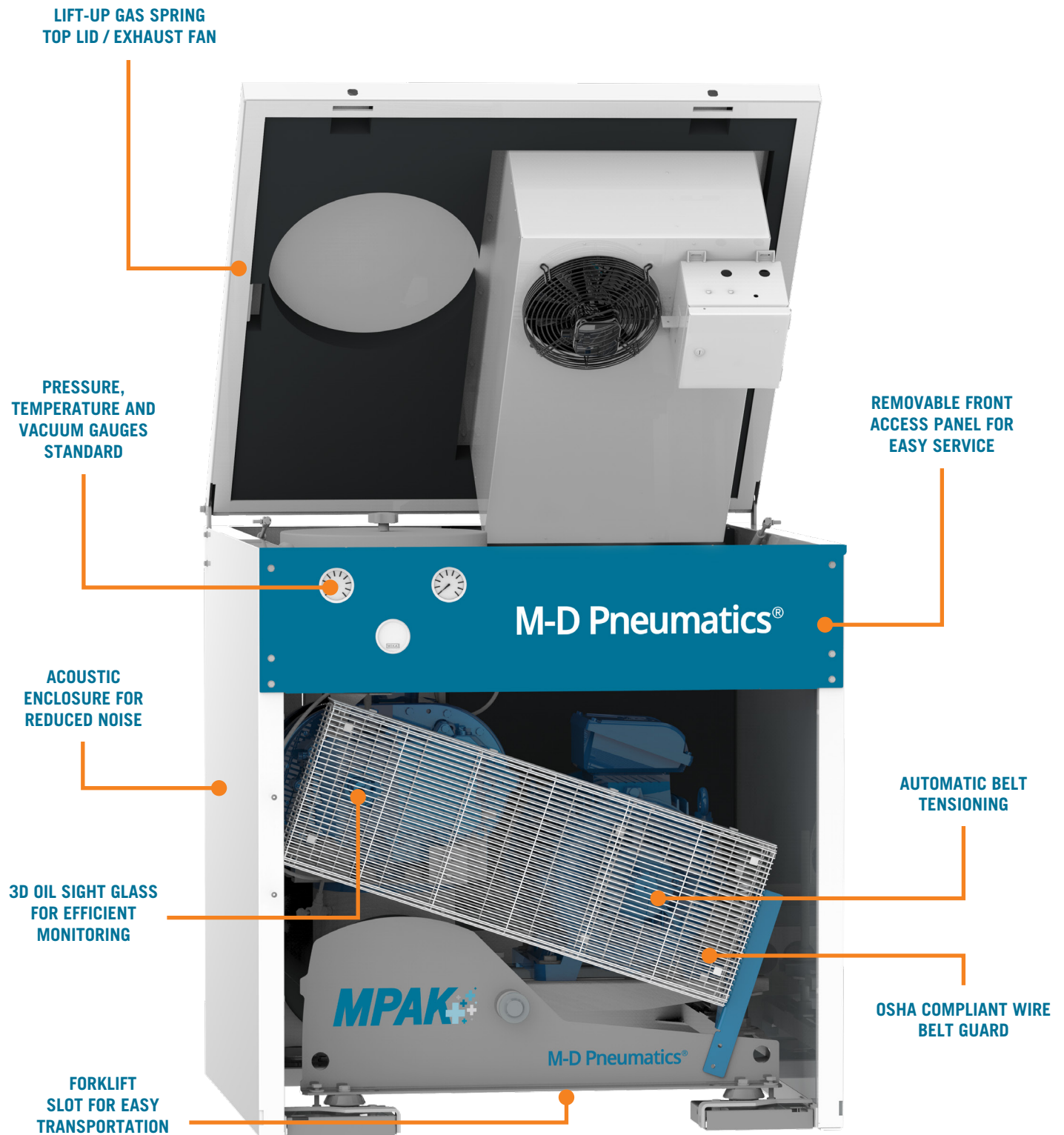
MAX PRESSURE	13 PSI
MAX VACUUM	14 inHgV
MAX FLOW	550 CFM

Available in stand-alone 6-pulse
or 18-pulse VFD

MPAK+



Enclosed machine shown without standard enclosure.



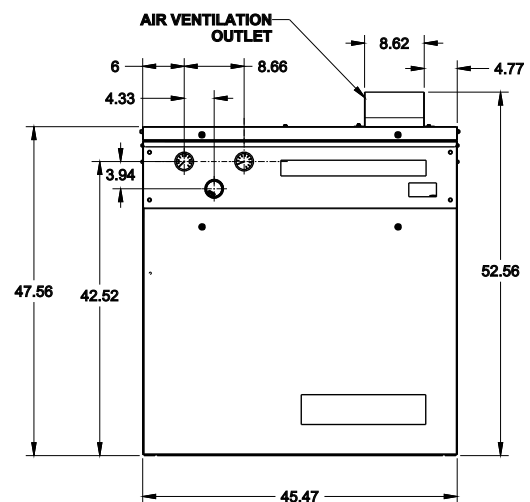
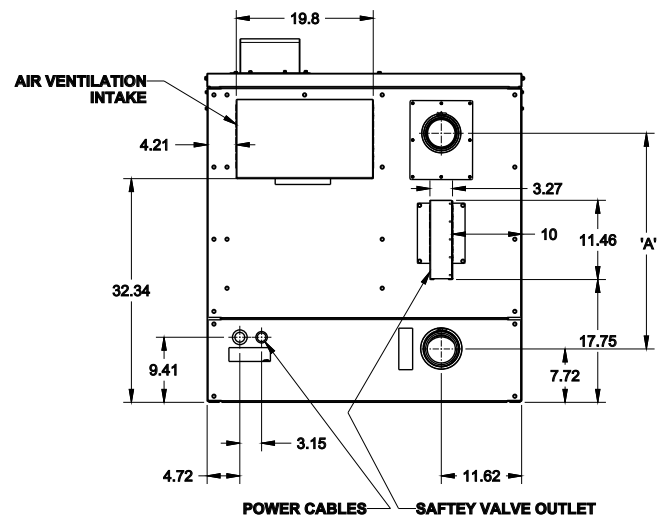
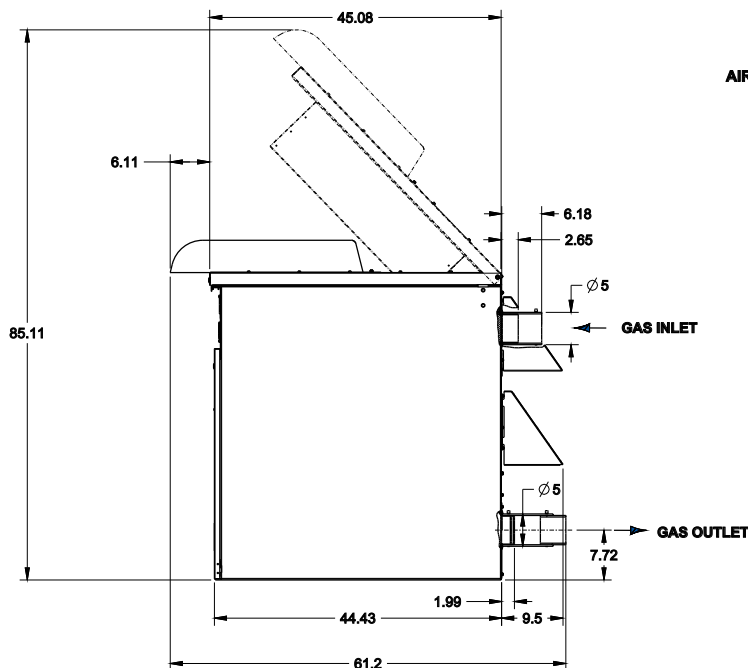


WEATHER RUGGED OUTDOOR ELEMENTS

MPAK+ PACKAGE (CONTINUED)

- Optional weather hood to protect from rain
- Acoustic enclosure mounting feet with brackets allowing for high-wind outdoor environments
- Compact footprint supports side by side installation
- Operates at less than 80 dBA for quiet operation

MPAK+ Dimensions



Dimensions represent a pressure enclosed package built with a CP5006 or CP6008 Bi-Lobe Blower. An M-D Pneumatics Sales Professional can provide drawings for blower package combinations specific to an application.

Drawing shown in inches only / enclosed package views.

Model	A
	in. / mm.
MPAK+ 5006 CP Series	29.08 / 738.5
MPAK+ 6008 CP Series	30.19 / 766.8

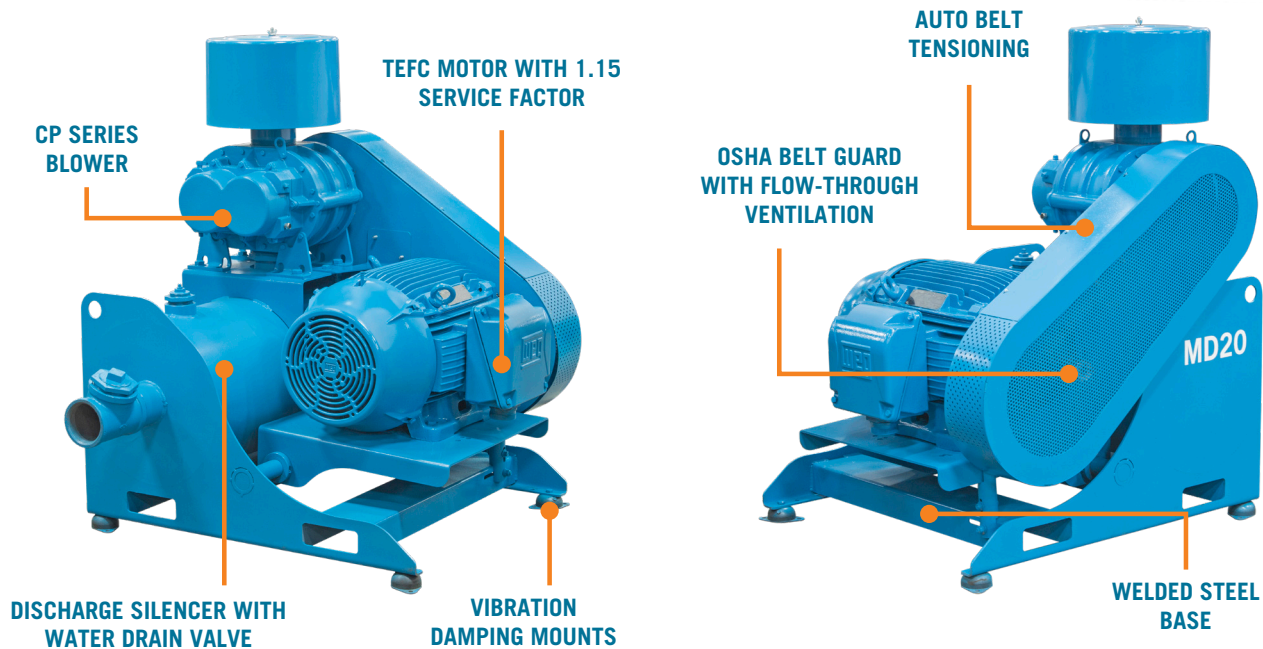
COMPACT & EASY INSTALLATION

MD10 & MD20 PACKAGE

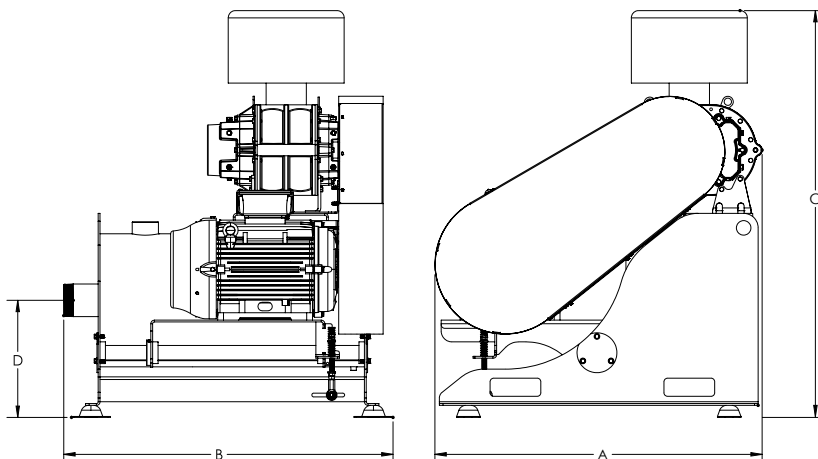
- Standardized open package design for reduced lead times
- Suitable for both indoor and outdoor installations
- Factory assembled for easy installation
- Optional Accessories:
 - » Unloading Valve
 - » Temperature Gauge
 - » Swing Check Valve
 - » Single Point Oil Drain Kit

DETAILS AT A GLANCE

MAX PRESSURE	14 PSI
MAX VACUUM	16 inHgV
MAX FLOW	550 CFM



MD10 & MD20 Dimensions



	Model	
	MD10	MD20
	in. / mm.	in. / mm.
A	32.25 / 870	45.25 / 1150
B	37.75 / 960	45.5 / 1155
C	45.25 / 1,190	56.25 / 1430
D	13.66 / 347	16.16 / 410

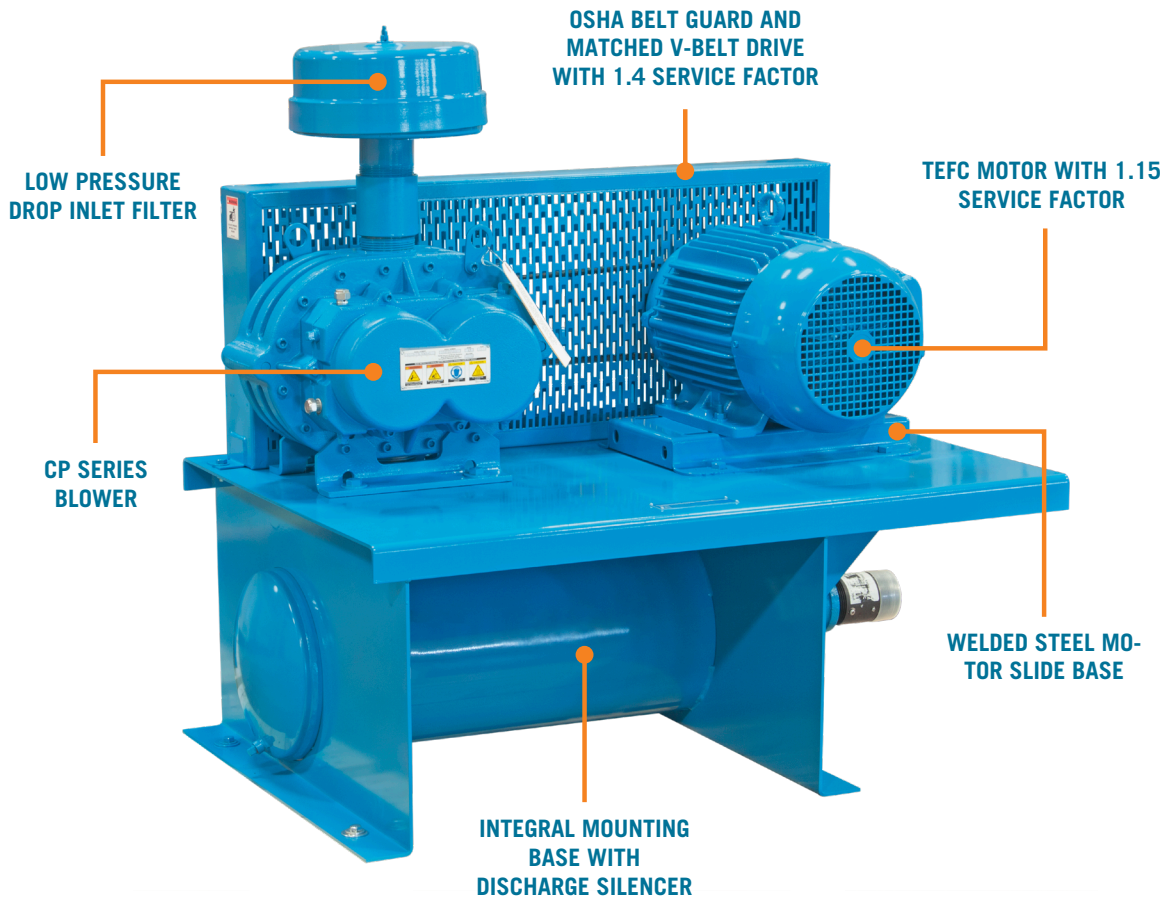
CONFIGURED AIR HANDLING PERFECTION

PNEUPAK PACKAGE

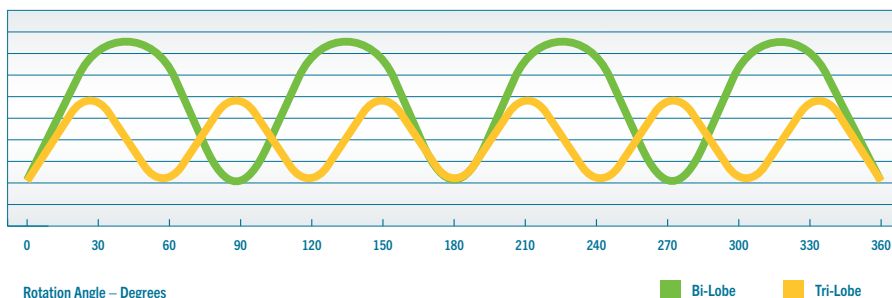
- Maintenance friendly design
- Bi-Lobe and Tri-Lobe options to meet your air handling needs
- Economic solution without sacrificing dependability

DETAILS AT A GLANCE

MAX PRESSURE	15 PSI
MAX VACUUM	16 inHgV
MAX FLOW	1494 CFM



Reduced Pulse = Lower Noise Levels & Increased Options



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

Size	A*	B*	C*	D	E	F	G	H	J	K
13-20	45.13	35	24.75	30	25	5	19	4.50	2" NPT	12
33-20	49.13	37	26.75							
13-25	49.44	37.63	27.75	31	25.50	6	26	6	2½"NPT	18
33-25	53.44	39.63	29.75							
13-30	55.69	43.94	32.19	49.50	44	7	27	7.50	3" NPT	18
33-30	61.38	48.19	36.19							
13-40	71.13	52.94	41.94	50.38	44	8	30.50	8.56	4" NPT	20.50
33-40	75.75	55.94	44.94							
13-50	75.69	56.69	44.94	62	55	10	32	11	5" FLG	24
33-50	81.19	59.69	47.94							
13-60	84.44	57.94	48	69	62	12	33	12.50	6" FLG	24
33-60	91.44	60.94	51							
13-80	101.50	69	51.88	89	65.75	15	42	12	8" FLG	24
33-80	116.25	81.75	64.63							

* "A", "B" and "C" height dimensions shown are "not to exceed" values. Actual height may be lower, depending on blower model incorporated in your package. Certified prints are available from your local M-D Pneumatics Sales Professional.

† "L" dimension is blower inlet connection size. Please refer to COMPETITOR PLUS specification sheet for applicable blower inlet connection size.

PneuPak Sizes Available by Blower

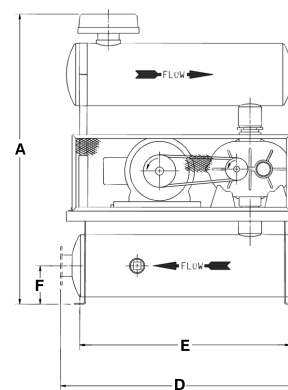
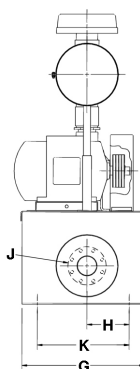
Blowers that can be mounted in each PneuPak are shown to the right of the applicable PneuPak.

Size	Blower Model	Size	Blower Model	Size	Blower Model	Size	Blower Model
13-20 33-20	2002	13-30 33-30	3006	13-50 33-50	5009	13-80 33-80	7011 7018
	2004		4005		6005		
	3003		4007		6008		
	3006		5003		7006		
13-25 33-25	4002	13-40 33-40	6005	13-60 33-60	6008		
	3003		4007		6015		
	3006		5006		7006		
	4002		5009		7011		
	4005		6005				
	5003		7006				

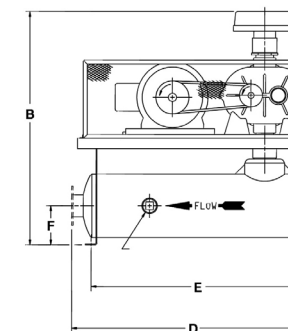
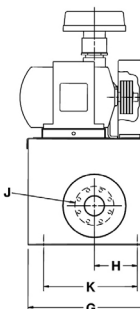
Accessorize Ultimate Performance

PneuPak accessory kits provide the ability to further customize your package. Available kits include:

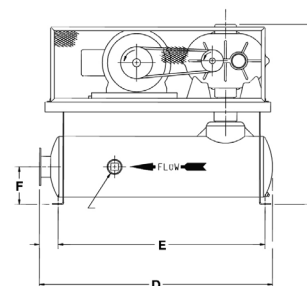
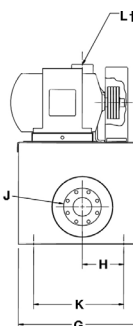
- Pressure or vacuum relief valve kits with fittings
- Instrumentation kit including inlet filter restriction indicator and 0-15 PSG discharge pressure gauge
- NEMA 4/12 control panel for wall mounting



PneuPak "A" Package with inlet filter/silencer, inlet silencer and discharge silencer



PneuPak "B" Package with inlet filter/silencer and discharge silencer



PneuPak "C" Package with discharge silencer

Values shown are approximate and should not be used for construction. Certified drawings are available through your local M-D Pneumatics Sales Professional.

CUSTOMIZED FOR HIGH EFFICIENCY

QUBE PACKAGE

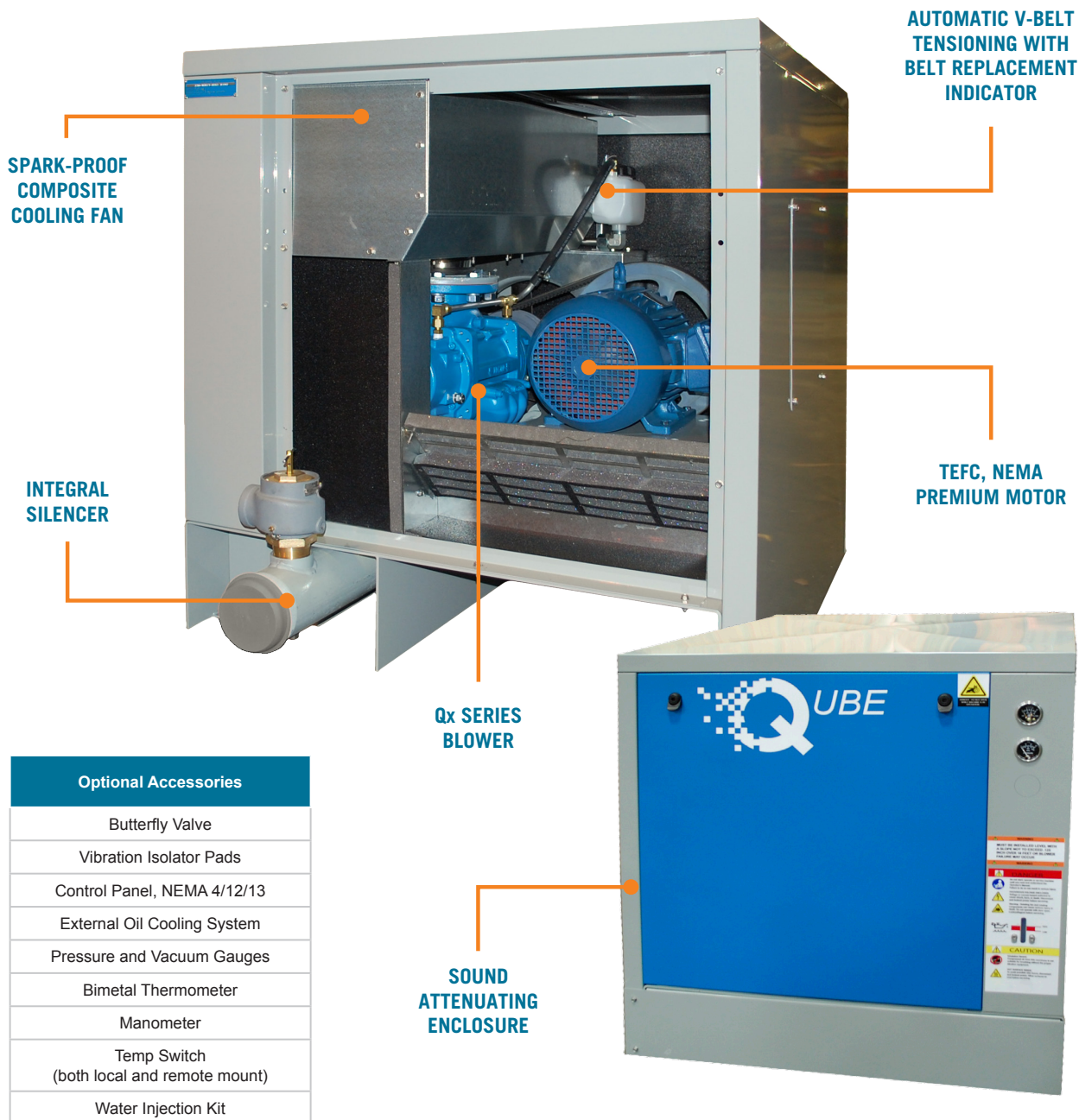
- Maintenance friendly noise enclosure
- Features Qx blower for quieter industrial solutions
- Optional accessories for enhanced customization
- High efficiency at high pressure and vacuum

DETAILS AT A GLANCE

MAX PRESSURE 18 PSI

MAX VACUUM 17 inHgV

MAX FLOW 1600 CFM



Optional Accessories

Butterfly Valve
Vibration Isolator Pads
Control Panel, NEMA 4/12/13
External Oil Cooling System
Pressure and Vacuum Gauges
Bimetal Thermometer
Manometer
Temp Switch (both local and remote mount)
Water Injection Kit

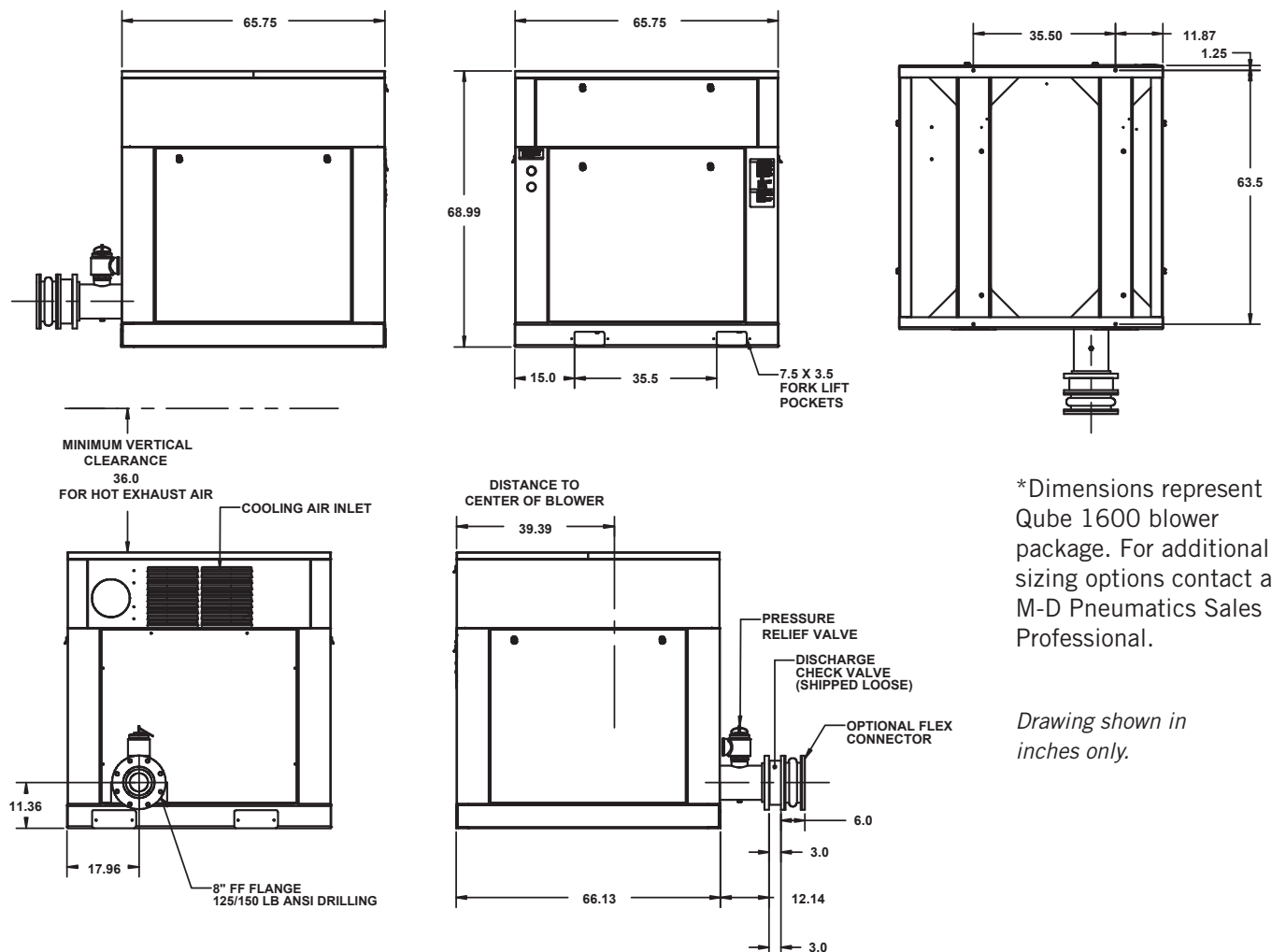
QUBE + QX =

BETTER SOUND PERFORMANCE

- **MAINTENANCE-FRIENDLY NOISE ENCLOSURE:** The Qube™ features an enclosure designed for quiet operation, providing easy access for maintenance while reducing noise levels.
- **QX BLOWER INTEGRATION:** The Qube includes the Qx blower, which utilizes Tri-Lobe rotors to reduce pulsation and lower noise levels.
- **SPARK-PROOF COMPOSITE COOLING FAN:** This fan design minimizes operational noise and enhances safety.



QUBE Dimensions **All dimensions are shown in inches*



*Dimensions represent Qube 1600 blower package. For additional sizing options contact an M-D Pneumatics Sales Professional.

Drawing shown in inches only.

FOR AIR & GAS APPLICATIONS

ENGINEERED BLOWER PACKAGE SOLUTIONS

For special applications both large & small requiring engineered blower packages, M-D Pneumatics offers custom solutions with a wide range of features.

- Sized to your specifications for cost effective operation
- Open and enclosed package options
- Designed for indoor and outdoor installations
- Approval drawings provided
- Multi-stage blower packages available for high pressure operations

DETAILS AT A GLANCE

MAX PRESSURE 18 PSI

MAX VACUUM 18 inHgV

MAX CFM 9000



Engineering Possibility Into Reality

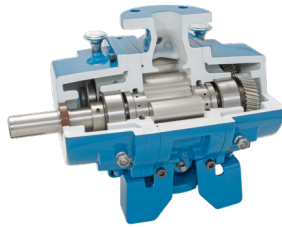
CUSTOMIZED SOLUTIONS

Designed around your application, our Engineered-To-Order (ETO) options offer a range of PD blowers with multiple design configurations and optional enhancements

EQUALIZER DF & RM



Qx



PD PLUS



CP SERIES



Blower Options

- **Equalizer DF & RM:**
One-piece housing for added durability
- **Qx:**
Efficient tri-lobe rotor design with noise reduction benefits
- **PD Plus:**
Premium high-pressure industrial blower capable of handling flammable and sour gases as well as steam
- **CP Series:**
Reliable performance with ease of maintenances

Configurations & Optional Enhancements

- Bi-Lobe and Tri-Lobe rotor profile options
- VFD add-ons for enhanced flow control
- Multiple seal types for process applications:
 - » Lip/Lab Seals – air service
 - » Single Gas Envelope Seal
 - » Double Gas Envelope Seal
- Special materials of construction available:
 - » Stainless Steel
 - » Aluminum
 - » Cast Steel
 - » Ductile Iron
- Wide range of performance testing:
 - » Hydrostatic to 150 PSIG
 - » Pressure gas testing to 100 PSIG
 - » Seal leakage testing
 - » Noise testing
 - » NDE testing
 - » ASME PTC-9 (1 PSIG slip method)
- Control systems for automatic operation
- On-site startup and support services available



DISCOVER WHAT'S POSSIBLE

Contact your M-D Pneumatics representative to explore your full range of options and start your Engineered-To-Order build. With expert design support and proven manufacturing capabilities, we bring custom solutions to life while ensuring optimal performance and efficiency

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

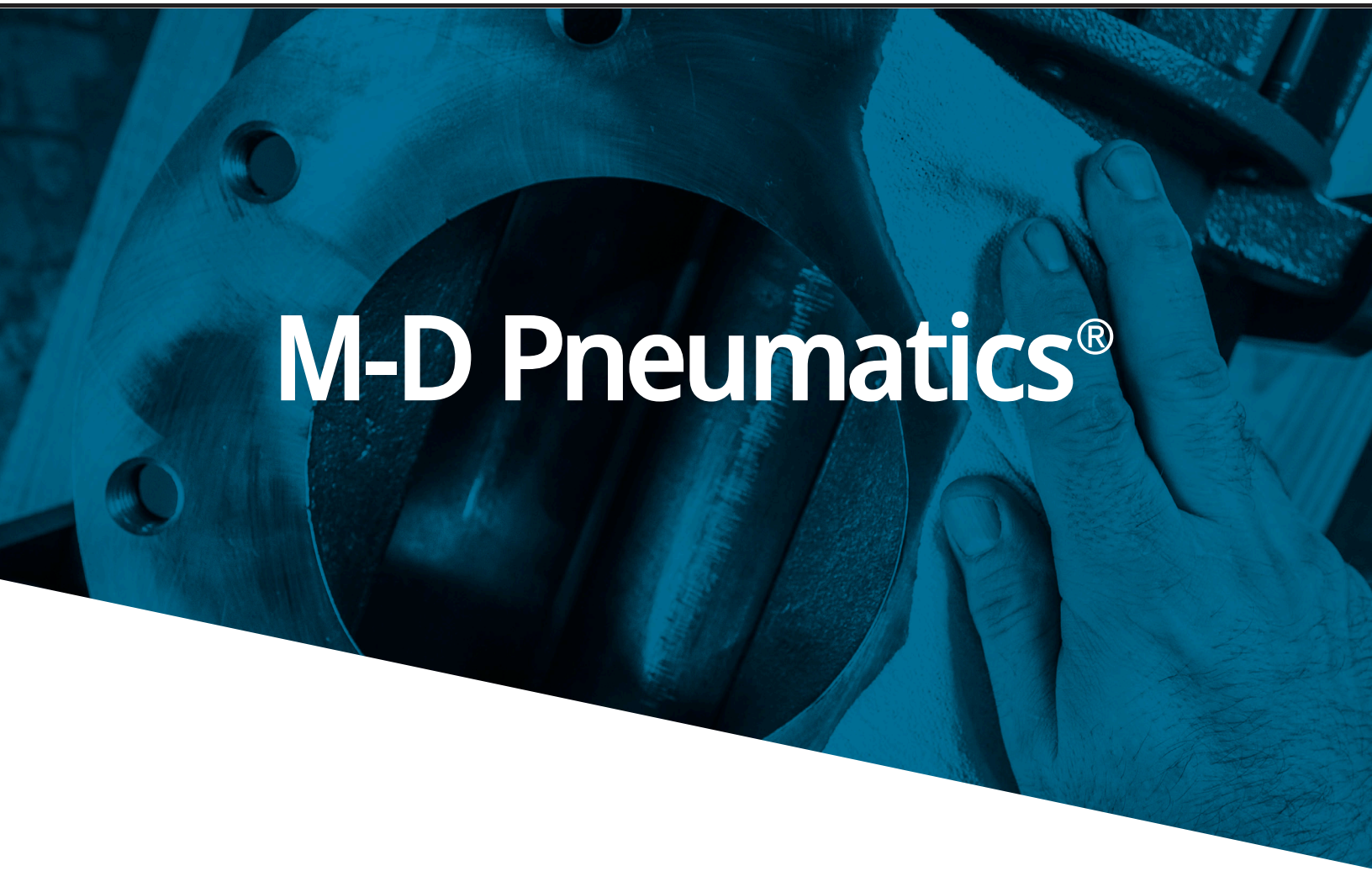




NOT ALL LUBRICANTS PERFORM THE SAME

- Positive displacement blowers and boosters can often operate at temperatures near 300°F. These extreme operating temperatures require a full synthetic lubricant that is blended from synthetic hydrocarbon polyalphaolefin (PAO) to ensure maximum performance and product life.
- PAOs have greater thermal oxidative stability and a high viscosity index, allowing for greater film strength at higher temperatures and decreased viscosities at low temperatures for minimal friction and better lubrication.
- This PAO synthetic base fluid allows oil to demulsify water in high humidity and water conditions by easily separating water from the fluid. MD full synthetic lubricants provide better rust and corrosion protection for increased equipment life and has the highest 1A rating for copper corrosion under ASTM D130.
- MD full synthetic lubricants contain a formulation of anti-wear and anti-foaming additives that are specifically designed to prolong the life of M-D Pneumatics blowers and Kinney boosters.
- MD full synthetic lubricants can last up to 5 times longer than mineral oil and twice as long as many semi-synthetic lubricants, meaning fewer oil change intervals, reduced down time, and greater cost savings.
- MD full synthetic lubricants have an average oil life of 8,000-hours at temperatures up to 220°F. Mineral oils oxidize at temperatures as low as 160°F, resulting in an oil life of 1,500-hours.
- MD lubricants have a low coefficient of dynamic friction that substantially reduces power consumption by minimizing gear and bearing friction, resulting in improved efficiency.





M-D Pneumatics®

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