



# AIR

**The Best Compressed Air Equipment on the Market**

Powerex | BOGE | Almig | Mattei

BEKO

Transair Aluminum Pipe

Hannay | Reelcraft | Coxreels

Dotco | Cleco



## A word from the CEO

mdi is a true business-to-business partner. We dedicate ourselves to thoroughly understanding our products and maintaining the most up-to-date information. Being the expert is the core of our business philosophy. We have a close relationship with our manufacturers and participate in regular product training sessions. We remain loyal to our brands and we believe that each of our products is among the best on the market.

We recognize that your needs are vitally important and deserve immediate attention, so contact mdi and speak with a knowledgeable member of our team who will help you get what you want.



- Sam Arledge  
President and CEO



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(727) 835 - 0650  
and see the rest of our product line at  
[www.mdisales.com](http://www.mdisales.com)

## Compression

An **air compressor** brings in air from the atmosphere and compresses it to boost potential energy and power various devices. As an alternative to electricity or fuel, compressed air is much safer and more versatile. There are different types of **compressors** including *scroll*, *reciprocating*, *rotary vane* and *screw type*, which have different methods of compression and are each better matched to certain applications.

Once compressed, the air is sent through a series of **filters** and **drains** before it enters the **air receiver**. Serving as a buffer between the **compressor** and the system, the **air receiver** allows for an uninterrupted supply of air when the output exceeds input and protects the system from pulsation of the **compressor**.



## Clean-Up



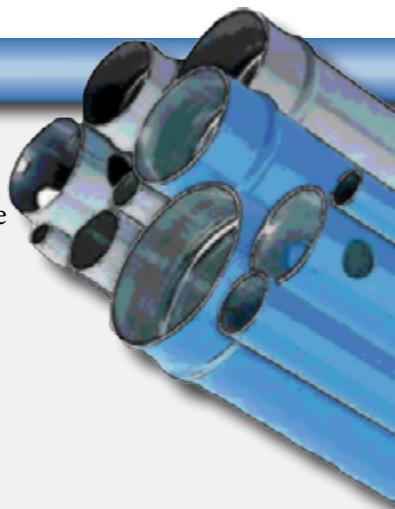
The air in our atmosphere is comprised of many elements in addition to oxygen, some of which can be harmful to compressed air systems. Additionally, certain **compressors** require lubrication to function, which can be leached into the air during compression. Clean, dry air is essential for an efficient and lasting **compressed air system**.

The **filter** is used to pull out these impurities such as oil and particulates like dirt and dust from your air. The **dryer** then uses either *refrigeration*, *filtering membranes* or a *desiccant* to remove instrument-damaging moisture from the air before it is used in your system. Depending on application, more than one **filter** or **dryer** may be required to properly condition your air. **Drains** then remove all of these filtered-out impurities from your system. All of these pieces serve to extend the life of your equipment.

## Distribution

The **distribution system**, comprised of the **air receiver**, **pipe**, **valves** and **fittings**, is a critical step in designing an efficient **compressed air system**. Pipe systems often leak some of the compressed air due to inadequacies in flow. The most cost-efficient, versatile and easy to use method is an **aluminum pipe system** with push-to-connect fittings. A quality aluminum pipe system is 100% leak proof and will never contaminate the system.

**Hose reels** are used to provide flexible air where you need it. OSHA regulations do not allow **air hose** to lie on the workplace floor. A quality **reel** can make a shop or factory more safe and efficient by keeping your hose stored and out of the way until you need it.



## End Use



Many tools and pieces of equipment use compressed air for energy. These include, but are not limited to: **air tools**, **pumps**, **valves**, **medical instruments** and **manufacturing plant equipment**. The quality of compressed air influences both the functionality and lifetime of the equipment.



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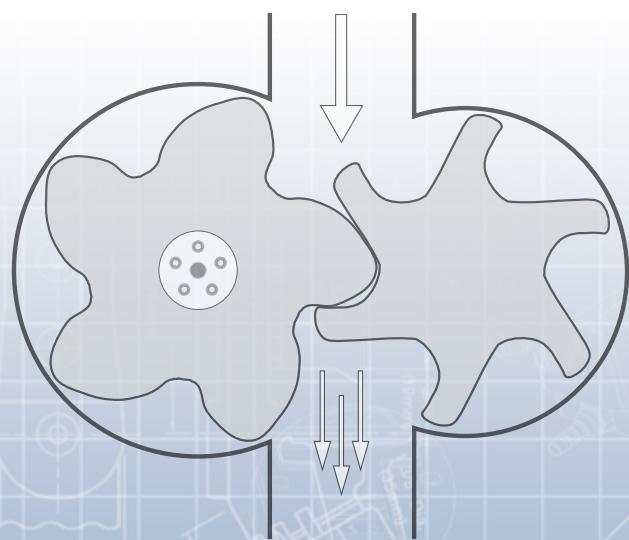
### Scroll Compressors

Completely Oil-less:

Perfect for applications where clean air is necessary, such as labs, hospitals, pharmaceutical applications, dental offices or any industrial applications such as paint booths.



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**BOGE**  
COMPRESSED AIR SYSTEMS

### Screw Compressors

Heavy-Duty:

Ideal for applications which require the most out of their compressors, such as fabrication and manufacturing. BOGE Compressors are quiet, efficient and come in Oil-Free models.



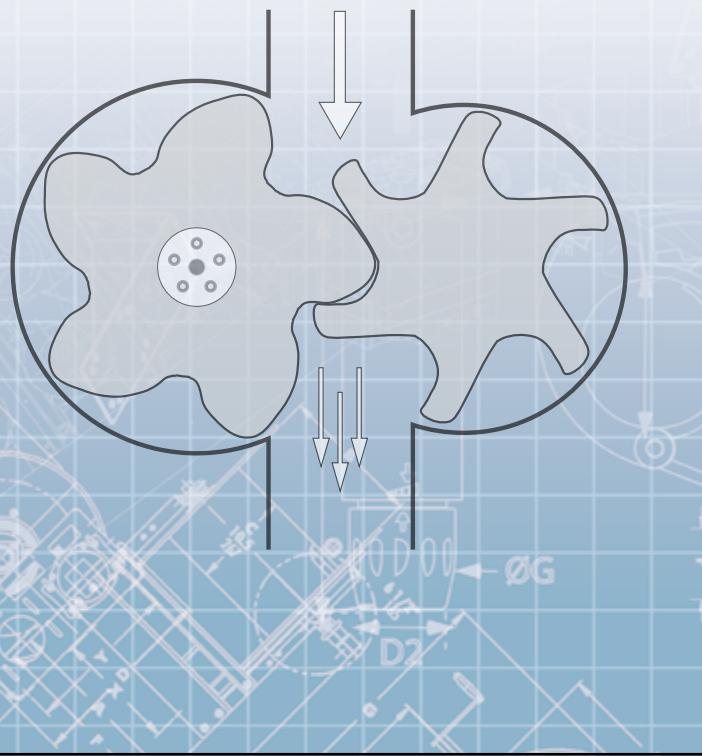
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Compression

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# ALmig



## Screw Compressors

### Heavy-Duty:

Great for heavy applications, such as fabrication and manufacturing. Almig Compressors come in fixed and variable speed models.



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# mattei®

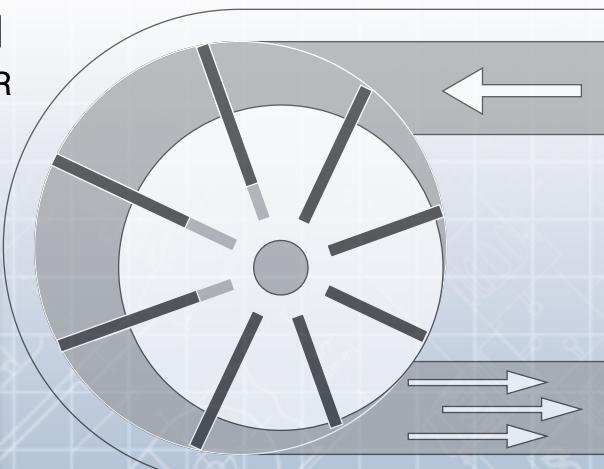
BEST SOLUTIONS IN COMPRESSED AIR



## Rotary Vane Compressors

### Efficient:

Suited for larger industrial applications where energy efficiency is of utmost importance, such as automotive, small construction, etc.



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Compression

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BEKO Technologies provides customers with a broad product spectrum of industry leading solutions for all of your compressed air challenges. BEKO represents compressed air technology at its best. For more than two decades, BEKO has developed and manufactured high-quality compressed air processing and condensate equipment.

#### BEKOMAT Condensate Drains:

A condensate drainage system adapted to the actual amount produced is the perfect way to deal with inevitable condensate. This will cut costs and prevent damage.

BEKOMAT® condensate drains are designed for the controlled discharge of the condensate in compressed air networks. They function without leaks and with minimal energy input. The BEKOMAT even functions unaffected by dirt, resulting in reliable operation.



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#### DRYPOINT Refrigerant Dryers:

The BEKO product family of compressed air refrigeration dryers provides users with several advanced features creating a balanced and efficient drying system. The unique VarioFlow technology of the hot gas bypass valve utilizes a special gas-charged capsule that operates independently of power or electronic support. This provides users with a 100% stable dew point, no maintenance, and zero freeze-up.



#### QWIK-PURE Oil Water Separators:

Anyone who runs compressed air equipment needs to control and treat the inevitably occurring condensate - and an increasing number of legal regulations demand that you do so. BEKO's QWIK-PURE, ÖWAMAT, and BEKOSPLIT oil/water separators represent a cost saving and permanently reliable solution to the problem. The discharged, purified water meets all legal requirements regarding wastewater discharge.

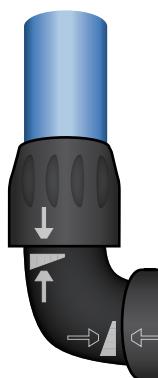


#### DRYPOINT Desiccant Dryers:

BEKO has developed an adsorption dryer design that is focused completely on reducing energy consumption. By significantly reducing pressure drops and using the most energy efficient components possible, energy savings of up to 80% can be realized when compared to conventional designs. The energy savings alone offer a complete economic payback after an average of only three years.



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# TRANSAIR

## Aluminum PIPE

Transair Aluminum Pipe is a quick and easy-to-modify aluminum pipe system for compressed air, vacuum and inert gas. The materials and superior design of a Transair quick-connection pipe system make it easier and less expensive to install than traditional systems. All components are reusable and interchangeable, enabling immediate and easy layout modifications, and Transair can even be integrated into existing copper or black iron systems. Transair Aluminum Pipe ensures a total absence

of corrosion which greatly increases the lifespan of equipment.

The “full bore” design of Transair components, the low friction coefficient of aluminum and the innovative sealing mechanism of the system ensure optimal and constant flow.

**mdi** is  
one of the largest  
stocking distributors  
of Transair Aluminum  
Pipe in the United  
States.

[www.TransairAluminumPipe.com](http://www.TransairAluminumPipe.com)

Black iron and copper piping systems have been the standard for compressed air piping. However, black iron is heavy and corrodes easily and while copper is light, it is also costly. Both of these systems are difficult to install and maintain. The revolutionary Transair Aluminum Pipe System is lightweight, corrosion resistant and economical. Here are a few more features that make Transair the best compressed air system on the market:

- Patented “Push-to-Connect” fittings make this system a breeze to install
- Quick installation time saves you downtime and man-hours, getting your system up and running fast
- Easy to reassemble so you can take your system with you if you move, or change it with your evolving facility
- Installation cost accounts for only ~20% of your total cost (compared to 50-80% for black iron and copper)
- Transair is designed to handle *compressed air, argon, nitrogen* and even *helium* and *vacuum*
- Transair can be assembled without a professional installation crew



The innovative technology of Transair enables rapid and easy assembly and quick connection of components to the aluminum pipe. This technology takes into account the specific requirements of each diameter of pipe and provides the user with an optimum safety coefficient and easy connection.



To put it simply, Transair's design is intuitive. One of the biggest issues in compressed air systems is moisture transferring through the air into the tool and reducing its lifespan. Transair designed patented drop points to pull air from the top of the source pipe, avoiding the heavy water molecules.



Assembly is also streamlined. Armed with the Transair tool kit, anyone can install a Transair system, even with minimal knowledge of compressed air piping systems.

Why hire a professional installation crew when you can install your Transair Aluminum Pipe System yourself?



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**Hannay Reels®**

*The reel leader.*



### N700 Series

The Hannay N700 series features 4-way roller assembly, a narrow base for versatile mounting and a declutching arbor to prevent damage from reverse winding. Designed to stand up to the most demanding applications, the N700 series is your choice for high pressures, harsh environments and heavy-duty applications.

[www.HannayReelSales.com](http://www.HannayReelSales.com)



### 5650 Series

Reelcraft's 5650 series reels are all-steel construction for a wide range of applications where space is limited. With a powder coat finish for ultimate corrosion resistance, plus a full flow shaft and swivel for maximum air delivery and low space requirement, this spring-retractable reel is the economical choice for most uses.



[www.mdisales.com/Reelcraft](http://www.mdisales.com/Reelcraft)



### EZ-Coil Series

Coxreels EZ-Coil hose reels are equipped with Coxreels' patented spring system that retracts up to 80% slower than conventional reels for user ease, safer work environments and longer lifespan of your equipment. With a versatile guide arm, heavy-gauge steel base and CPC powder-coated steel construction, EZ-Coil hose reels are ideal for areas where safety is a top concern.



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## Dotco:

Dotco specializes in *grinders, drills, saws, sanders, buffers, polishers, percussive tools and routers*.

Cleco and Dotco are the best tools out there for any construction or demolition job. Let your equipment take the strain, not your personnel.

Dotco power tools have been manufactured for over 50 years and have come to be the industry standard for quality. With any repetitive task, workers can be subjected to discomfort and strain. Dotco tools are designed for functionality and user-friendliness. Dotco makes tools that are more comfortable for the operator to use, utilizing elastomer housing, low vibration and low noise levels.

[www.DotcoSales.com](http://www.DotcoSales.com)



## Cleco:

Cleco provides a full line of *pneumatic screwdrivers, impact wrenches, ratchet wrenches, nut runners* and other *specialty tools*.

With over 100 years of precision manufacturing experience built into each tool, Cleco provides users the ultimate in performance. Designed to withstand the demanding requirements of today's modern high-repetition assembly lines, Cleco's ability to meet and exceed the requirements for many applications has made Cleco the world's #1 choice for assembly tool technology.

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End-Use

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