

GAST

86/87R Series
Oil-Less Rocking Piston
Compressor and Vacuum Pumps

Quietly setting the new standard.





Setting the new standard in sound reduction, air pressure, design and flexibility.

The NEW Gast 86/87R Series oil-less rocking piston compressors and vacuum pumps are quieter, more durable and fit virtually any application.

While other manufacturers have been busy selling rocking piston compressors that produce a lot of noise and less-than-ideal pressure, Gast has been quietly setting the new standard by re-engineering our oil-less rocking piston from the ground up. The result is a unit that delivers quieter performance, higher pressure, a longer life and greater application flexibility.

The sleek, new 86/87R Series is not just another pretty product: its beauty runs deep as it performs in ways not yet seen in the industry. The patented crossover

chamber design regulates and controls airflow to dampen sound and optimize performance, while delivering a wide range of pressure level options.

Because the 86/87R Series can easily retrofit into an existing footprint, it's also a smart, flexible solution for a wide range of markets.

- Environmental
- Food and beverage
- General Industrial
- Transportation
- Medical
- Laboratory
- Printing and packaging
- Material handling

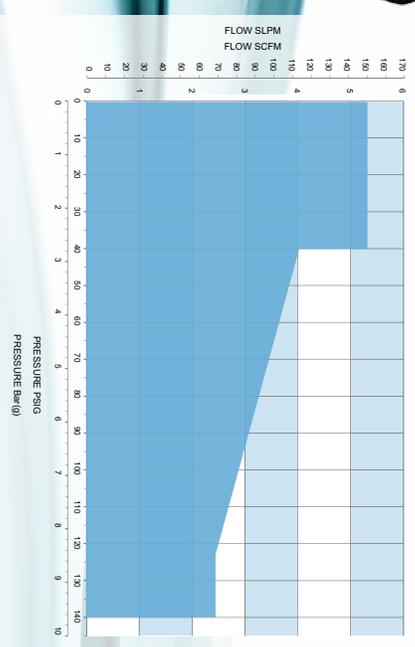
Designed to perform. Built to last.

When we set out to re-engineer our rocking piston compressor, we aimed to do more than just increase pressure. We set out to dramatically reduce sound, enhance flow, create a standard footprint for easy retrofit anywhere in the world and improve the compressor's aesthetics.

The results speak for themselves.



86-87R Performance Range



The inherent design of rocking piston technology makes it the optimal choice for applications requiring high pressure or vacuum and air flow in a small package. The flexible cup is made with superior materials and mounted on top of the connecting rod, creating vacuum or pressure while maintaining a tight seal against the cylinder walls in a rocking motion. The forging design has fewer components, causes less friction and has a low exhaust temperature, for greater reliability and durability for the life of the product. Despite its small size, the versatility of 86/87R means this is the right product to deliver quality air solutions.



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Re-engineered from the ground up.

The re-engineered 86/87R Series offers 8 different ball bearings. We've redesigned the sound, noise and vibration size across different sound frequencies.



What you don't see makes a big difference too.

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TWIN DOMED HEADS.

- 14 rooms in a row of under four 86/87R ball bearings
- More rooms between head and ball bearings
- Rooms of varying sizes take different frequencies

THICKER VALVE FLATE

- Thicker plate surface reduces deflection
- Whipping edges support increases strength and reduce deflection

FLEXIBLE DESIGN

- Enhanced versatility
- Aligned motor
- Standard replacement footprint
- Common port locations
- Metal gasket application compatible
- Single or double cylinder design

FULL METAL BODY INCREASES OVERALL STRENGTH.

- Increased cast construction increases overall strength
- Allows equal distribution of stresses

SOFTED HEAD DESIGN AIDS AIRFLOW AND INCREASES VELOCITY.

- 137 PSI (9.3 Bar) rating with pressure up to 150 PSI (10.3 Bar @ 100% duty cycle)
- Smoother chamber cross sections reduce head ball stress
- Thicker cross sections around chamber perimeters and ball's increase head strength
- Head beads allow for a higher PSI/cycle regulatory rating



The patented crossover chamber design regulates and controls airflow to dampen sound and optimize performance, while delivering a wide range of pressure level options.

TWIN STATUS ALLOW HIGHER PRESSURE AND LESS NOISE.

- Intake and exhaust chambers each have their own status
- Allows for higher pressure
- Higher pressure

PATTERNING CROSSOVER CHAMBER REDUCES SOUND THROUGH THE DISSIPATION OF SOUND ENERGY.

- Decreases airflow entering the crossover chamber
- Allows for higher pressure
- Higher pressure

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