



# The Complete Compressor Company

Driven by **POWERSMITH GROUP**

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 www.powersmithgroup.com



# **GAS** Compression Specialists

Gas & Air Systems, Inc.

   
 QSR-956  
 Certified: ISO 9001:2008

# A Compressor for Every Industrial or Process Application

Wherever an industrial or process compressor is called for, call on Gas & Air Systems, Inc. We provide the widest range of quality industrial and process compressors from Howden BC Compressors, and other world-class compressor manufacturers. Gas & Air Systems matches the technological advantages of high quality process and industrial air and gas compressors with the requirements of your particular application. We package, support and service respected product lines, offering the best solution at the best cost.

Howden BC Compressors has a design to fit your process gas compressor application. In fact, Burton Corblin invented the metal diaphragm compressor, the technology of choice for the most difficult gas compression duties. As a pioneer in oil-free piston compressor technology, and a member of the API 618 task force, Howden BC Compressors sets the standard for non-lubricated process piston compressors. This tradition of innovation continues with an extensive research and development program leading to continuous product development, enhancement, and improvement. When your process calls for gas compression, Howden BC Compressors has a design to fit. There are few process applications we have not addressed, and our engineering resources are unmatched in the non-contaminating process gas compression field. Burton Corblin® compressors are renowned for product reliability, durability, ease of maintenance, and performance.

Gas & Air Systems also provides compressor systems engineered for the most arduous industrial applications. Offering both lubricated and oil-free compressor designs, these packages provide flexible solutions to your most challenging industrial gas and air compression needs.

High-pressure breathing air and industrial gas compressors are offered in standard packages, engineered for ease of installation, operation, and maintenance, while delivering high pressure air or gas reliably and efficiently. These packages incorporate features such as inter-stage and discharge relief valves, efficient, integral cooling systems, and protection switches. Gas & Air Systems' industrial gas compressors are built to suit various requirements, such as gas boosting and high pressure air, and are packaged to meet customer and industry requirements and standards.

The compressors we sell are built by world-class manufacturers. They are engineered and packaged by Gas & Air Systems to North American codes and standards, for installation in the USA, Canada, and around the world. Virtually every industry utilizes our compressors including: air separation plants, manufacturing facilities, power stations, chemical and petrochemical plants, refineries, welding suppliers, landfill gas production, CNG refueling stations, industrial breathing air, and filling of high pressure gas trailers and cylinders.

Contact Gas & Air Systems first. We will help you determine the best design and technology for the job, engineer the system and design modifications as required, and construct your compressor package to the most exacting specifications. Upon delivery, we will work with you on installation and instruction, assuring a smooth product commissioning. GAS will be continually available for any operational questions, genuine replacement parts, and expert service.

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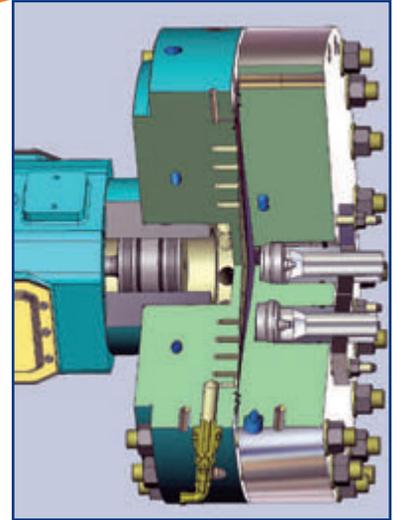
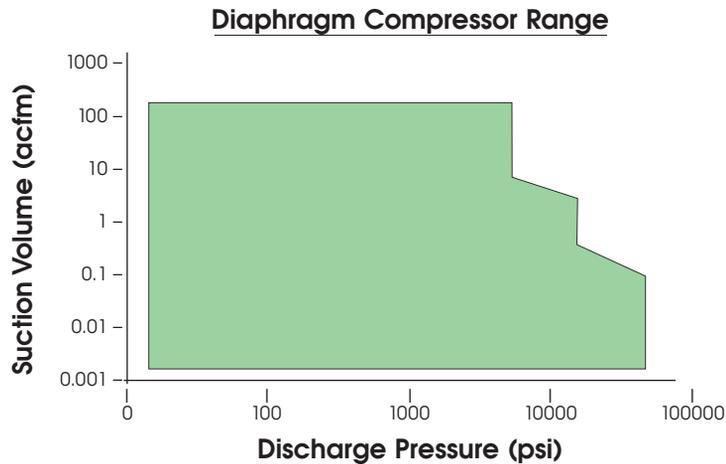
# ***GAS***

# Gas and Air Systems Compressor Ranges

## Burton Corblin® Diaphragm Gas Compressors

### Features

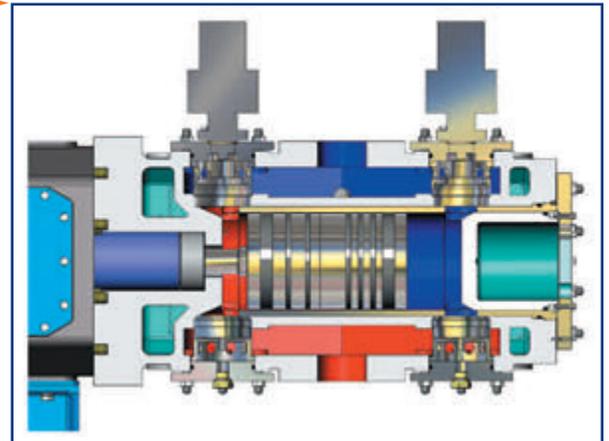
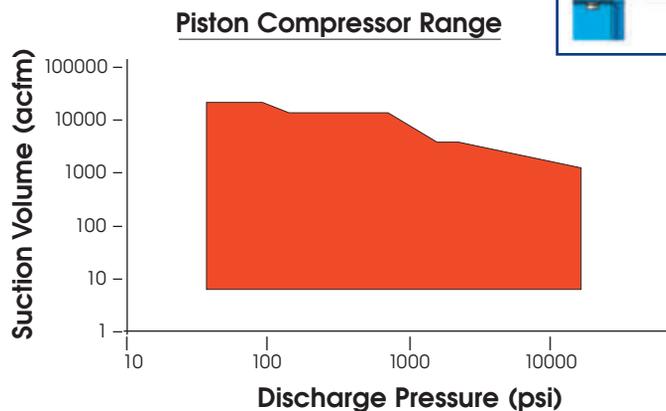
- Zero emissions
- Freedom from contamination
- Advanced cavity design for extended diaphragm life
- A wide range of materials to suit any process gas
- Process compressor design features, including full cross-heads and pressure lubrication



## Burton Corblin® Process Gas Piston Compressors

### Features

- A wide range of crankcase and cylinder sizes and configurations to meet process and specification requirements
- Non-lubricated cylinder designs
- Horizontally oriented cylinder(s) for ease of maintenance and to ensure against liquid accumulation
- Double-compartment distance pieces and buffer-purged packing cases for process gas containment
- Water-cooled cylinders for temperature control



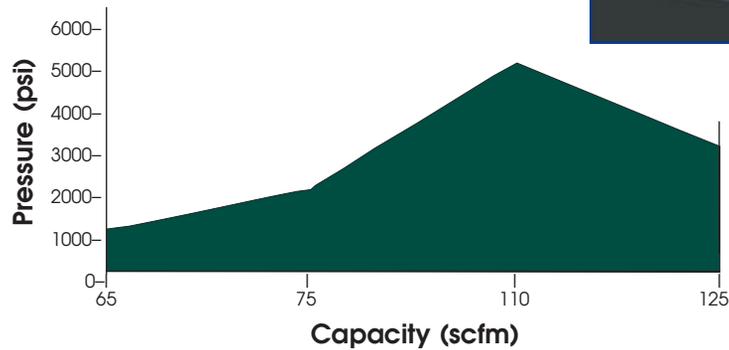
# Gas and Air Systems Compressor Ranges

continued

## Horizontal Opposed and Vertical Gas Compressors

### Features

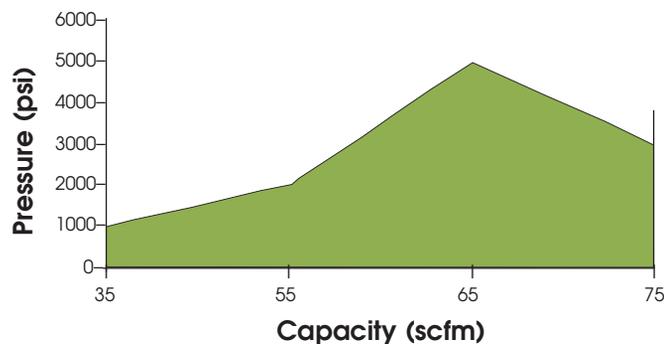
- Balanced design allows smooth, virtually vibration-free operation and allows simple bolt-down installation without special foundations
- Proven capability, suitable for use in wide climatic conditions
- Compact design minimizes floor space
- Fewer, light-weight internal parts reduce long-term maintenance costs by reducing piston ring and cylinder wear
- Use of concentric valves means quick and easy replacement



## Breathing Air Compressors and Dryers

### Features

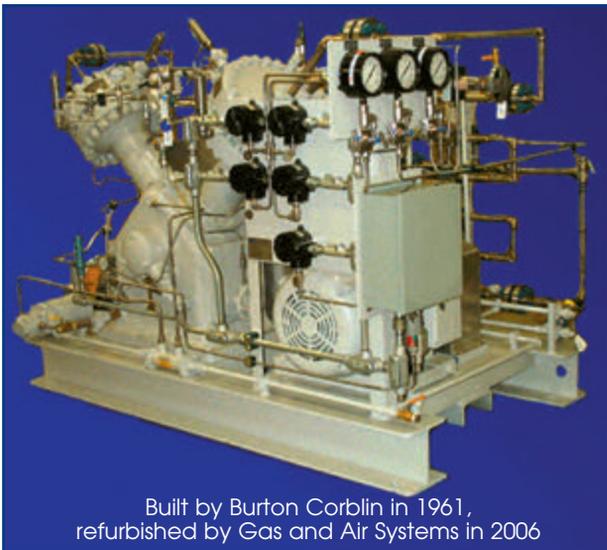
- Low running speeds provide suitability for heavy duty applications
- Recommended for air and most inert gases
- Noise levels less than 85 dBa at 3 feet (depending on RPM and fitted ancillaries)
- Delivered air temperature less than 60°F above cooling air temperature
- Full rod reversal ensuring good oil lubrication to the bearings, thereby giving extended life and reliability
- With a single or twin tower heat regenerative dryer and filtration, produces breathing air that meets most agency standards





## **Engineered Compressor Packages**

**GAS** provides compressors built and packaged to your requirements, from basic compressor and driver packages to complete compression systems. Each compressor package is designed, engineered and built according to customer specifications and requirements in addition to the highest Industry and in-house standards. Packaged compressor systems can be equipped with monitoring and control systems, capacity control, pulsation suppression, gas cooling, and other ancillary equipment as required. Stringent Quality Assurance and Testing assure that your package performs as expected and meets rigorous quality standards.



Built by Burton Corblin in 1961,  
refurbished by Gas and Air Systems in 2006

## **Total Service Commitment**

**GAS** is committed to unsurpassed customer service and support. We offer operational consulting throughout the life of our compressors, and prompt, knowledgeable service when our customers call. Service personnel are strategically placed to provide efficient, timely support for our equipment. Our service technicians are highly experienced and thoroughly grounded in compression theory and practice. They will quickly diagnose any anomaly, correct it as required and restore your compressor to optimal performance.



## **Quality Spare Parts**

All **GAS** spare parts meet the specification of the original compressor. From a single component to a complete assembly, every spare part is fully guaranteed.

**GAS** maintains an extensive spare parts inventory, permitting shipment of most items within hours of order. Convenient service packs and spare part kits with the components necessary for a subassembly repair or replacement are available.

# A partial list of companies with our compressor installations includes:

ABB Lummus	Exxon Corp.	Occidental Chemical Corp.
Aerojet General	Firestone Tire and Rubber Co.	Parsons
AGA Gases, Inc.	Fluor Daniel, Inc.	Pegasus, TSI
Air Liquide	Formosa Plastics	Petrobras
Air Products and Chemicals, Inc.	Foster Wheeler USA Corp.	PetroFac Incorporated
Airgas	Global Diving and Salvage	Petroleos Mexicanos
American Refining Group, Inc.	Goodyear Tire and Rubber Co.	Phillips Petroleum Co.
BP Amoco	Grumman Aerospace Corp.	Pratt & Whitney Aircraft
Archer Daniels Midland	Heartland Petroleum, LLC	Praxair, Inc.
ARCO Chemical Company	Henkel Corp.	Rockwell International
Autoliv ASP	Himont USA, Inc.	Rohm & Haas
BASF	Honeywell	Scully Welding Supply Corp.
Bayer Corporation	Husky Oil Marketing Co.	Shaw Stone & Webster
Bechtel Corporation	ICI Americas, Inc.	SNC-Lavalin, Inc.
BOC Gases	Jacobs Engineering Group Inc.	Shell Oil Co.
Bufete Industrial	Kellogg Brown & Root	Showa Denko
Celanese Chemicals Division	Kvaerner	Solvay Polymers, Inc.
Chevron Phillips Chemical Company	Linde Gas, LLC	Sunoco, Inc.
Colt Engineering	Linde de Mexico, S.A. de C.V.	Tecnico Corporation
Con-Dive	Matheson Gas Products	Tereftalatos Mexicanos, S.A.
Conoco, Inc.	Matrix Engineering	Texaco, Inc.
Daikin America, Inc.	Matsui Corp.	TriCor Refining
Dannon Spring Water Co.	Messer A.G.S.	TOYO Engineering
Dow Chemical Company	Mitsubishi Heavy Industries America, Inc.	Union Carbide Corp.
Eagle-Picher Technologies	Mobil Corp.	U.S. Navy
Eastman Chemicals Corporation	Monsanto Chemical Corp.	US Welding Supply Co.
E. I. DuPont de Nemours and Co., Inc.	NASA	Valero Energy Corporation
Electrolyser Corp.	National Starch & Chemical Co.	Valley National Gases
Elf Atochem	NCRA	Vista Chemicals
Epsilon Products Co., LLC	Nexair	Zeeland Chemicals, Inc.
	Nova Chemicals	Zimpro
		Nuclear power plants worldwide

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