



GB-40 SERIES GAS BLOWER

Enhance your recovery of natural gas/coalbed methane and increase your profitability!

The GB-40 Series Gas Blower is the first fully-automated variable frequency drive blower package that increases the production of natural gas or coalbed methane from wells.

Play your **ACE** for enhanced gas production with built-in quality and dependability:

ADAPTABILITY

CONVENIENCE

EFFICIENCY



APPLICATIONS

The GB-40 Series Gas Blowers are ideal to boost the gas recovery from productive wells or “wake-up” existing low-production wells. The blowers create up to 15 psi (103 kPa) differential pressure and are capable of creating a vacuum on the suction. The GB-40 Series Gas Blowers are available for low-pressure applications with 28 psi (193 kPa) or less.

Field-proven components ensure economical and trouble-free operation in a variety of environments.

Why a GB-40 Series Gas Blower should be on your well:

- Multi-range operation
- 24/24 manufacturer's warranty and guarantee
- Authorized and certified installation inspection
- No field welding required
- Installs away from wellhead
- Resists freeze-up
- Avoid damage associated with high discharge temperatures
- Built-in bypass (free-flow or shut-in)
- Variable speed driven for increased run-time
- Optional remote telemetry available
- Turnkey installation available
- Self-powered units available
- Can return your investment in as little as 90 days
- Provides a simple solution for today's economic environment
- Patented design eliminates O₂ introduction
- O₂ monitoring with high level shutdown software is standard

ADAPTABILITY

Automated Variable Frequency Drive Control

The software that controls the Variable Frequency Drive of the GB-40 Series Gas Blower utilizes the blower's wide range of operating capabilities to maintain key parameters within preset values. These parameters are the blower suction pressure, discharge pressure, differential pressure, and discharge temperature. As well conditions fluctuate, blower and allow continuous operation. This automation eliminates the time-consuming need to modify the drive sheave combination or change the blower as is the case for packages without variable frequency drives.

Free Flow Bypass Valve

Free flow is allowed through an automated valve or check valve should the blower shut down. The gas production is never interrupted, thus shut-in pressure does not build up in the well.

Interchangeability

The two blower packages (41G and 42G) have approximately the same footprint of 6 x 3 x 4 ft (1.8 x 0.9 x 1.2 m), which allows for effortless component replacement or upgrade in the field.

CONVENIENCE

Optional Telemetry Control

Blower operation can be monitored and controlled remotely with an optional telemetry control. This option is extremely useful for remote locations where blower access can be limited by weather.

Minimum Maintenance

The self-oiling blower requires minimum maintenance. Semi-annual oil changes are recommended.

No Field Welding Required

The pre-fabricated piping connects to polypipe.

Installed away from the Wellhead

The blower is installed away from the wellhead to allow sufficient lengths of pipe to ensure cooling of the gas prior to returning to the flow line. A second benefit is that workover equipment can more easily access the wellhead.

Avoid Damage Associated with High Discharge Temperatures

The blower has the capability to safely operate with discharge temperatures as high as 320 °F.

Multi-Belt Drive

An adjustable multi-belt drive eliminates the risk of slippage. The 41G and 42G models are driven by 3 and 4 belts respectively. Convenient visual inspection of the drive is possible through the belt guard.

Unique Piping Configuration

The blower piping has a unique H-shaped design. Vertical flanges deter water from being trapped in the H-shaped piping and the blower, thus reducing the risk of freeze-up. Two manual valves on the vertical legs can be closed to isolate the blower for repair, maintenance, or replacement.

User-Friendly Interface

The GB-40 series blower control panel door includes a convenient touch-screen display to view operating conditions or easily adjust operating parameters.

EFFICIENCY

Optimum Operating Speed at All Times

The blower always operates at the optimum speed to deliver the maximum production of gas while remaining within the preset parameters for blower suction pressure, discharge pressure, differential pressure, and discharge temperature.

Premium Efficiency Motor

The premium efficiency motor can be powered by existing field electricity or by a generator, which is fed the discharge of the well gas, resulting in significant savings.

Design Eliminates O₂ Introduction

The welded pipe joints eliminate the introduction of oxygen into the line, thus reducing unwanted downtime and hazardous operation.

No Unnecessary Field Trips

The blower speed automation and the optional telemetry control minimize the need to visit the well site. You gain peace of mind and avoid unnecessary trips to hard to access locations.

- ✓ **Increased gas production**
- ✓ **Easy installation**
- ✓ **Increased profitability!**
- ✓ **Increased runtime**
- ✓ **Reduced site intervention**

TYPICAL RETURN ON INVESTMENT UNDER 90 DAYS!

Most operators of GB-40 Series have realized increased gas production volumes great enough to offset the initial investment in the first 60–90 days.



GB-40 Gas Blower at work in Alabama.

Rotating Right is committed to total customer satisfaction

EXCLUSIVE WARRANTY AND GUARANTEE

Each blower is backed by an industry-leading, 24-month warranty against defects in both material and workmanship.

AUTHORIZED AND CERTIFIED INSTALLATION/INSPECTION

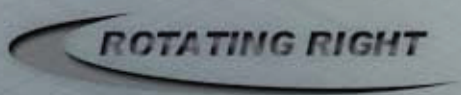
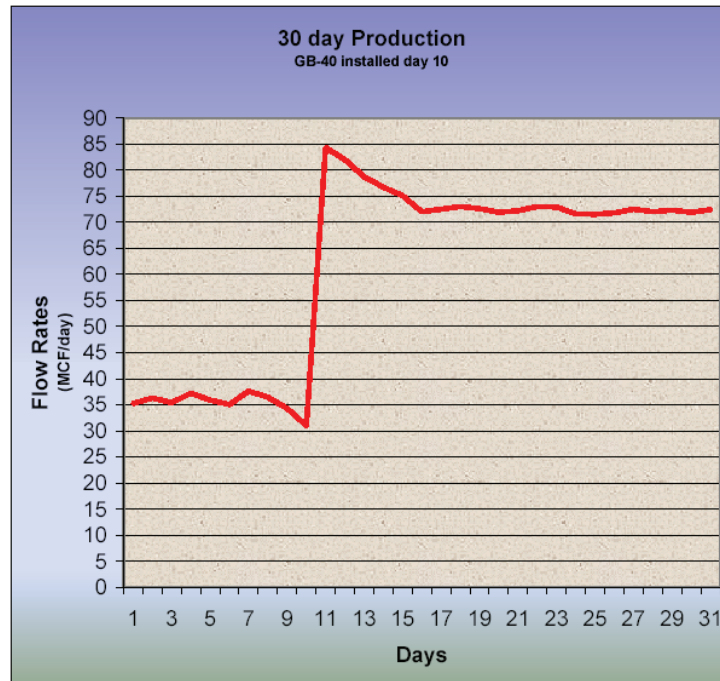
Professional (authorized and certified) inspector(s) on location will install the blower package, explain and inspect crucial procedures and aspects necessary to ensure safety, proper installation, and proper operation of the blower package. Customers may further benefit from us using the optional “turn-key” installation.

AUTHORIZED AND CERTIFIED MAINTENANCE AND REPAIR

Scheduled preventative maintenance and repair agreements are available.

Size	L41G (low pressure)	L42G (low pressure)
Motor (electric)	20 hp (15 kW)	40 hp (30 kW)
Blower speed	800—4400 rpm	1000—4400 rpm
*Flow at maximum speed and maximum pressure	388 cfm [558 720 ft ³ /d] (11 kL/min [16 ML/d])	498 cfm [717 120 ft ³ /d] (14 kL/min [20 ML/d])
Pressure operation: Maximum differential pressure	15 psi (103 kPa)	15 psi (103 kPa)
Vacuum operation: Maximum differential pressure	15 inch Hg (51 kPa)	15 inch Hg (51 kPa)
Maximum discharge temperature	320 °F (160 °C)	320 °F(160 °C)
Maximum temperature rise: Inlet temperature to discharge temperature	207 °F(97 °C)	207 °F (97 °C)
Flange connection: suction and discharge	3 inch (~76 mm)	4 inch (~102 mm)
Installation requirements: Minimum/maximum ambient temperatures	5 °F/140 °F (-15 °C/+60 °C)	5 °F/140 °F (-15 °C/+60 °C)

*The effective volume flow is dependent on the speed and the relative pressure.



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