Natural gas -- Supplied to millions of businesses throughout the U.S. upon demand; one of the most efficient, cost-effective, environmental friendly and domestically-abundant fuels available.

Natural gas as a viable alternative vehicular fuel is completely compatible with today's engines. Manufacturers are now producing a variety of factory-equipped, on-road and in-plant vehicles to run cleanly and efficiently on natural gas. In addition, some existing vehicles can also be converted to operate on either natural gas or gasoline (bi-fuel), without compromising performance, at the flip of a switch. Power delivery between the two fuels is virtually indistinguishable.

The actual costs of refueling with natural gas over other fuels can also be a pleasant surprise. The price of natural gas is usually between one-half and three-quarters the cost of its gasoline equivalent. This can result in substantial savings for commercial vehicles of high-mileage commuters. It should also be noted that natural gas prices have a history of being relatively stable, not fluctuating with daily supply and demand like gasoline. Whether vehicles are equipped for natural-gas-only or bi-fuel operation, both time and money can be saved through the use of the convenient, safe and accessible Natural Gas

Natural Gas is nature's cleanest burning fossil fuel. When used to power a vehicle engine, it emits fewer pollutants than conventional or other alternative fuels and meets government clean air requirements. Compared to gasoline or diesel, natural gas burns more completely and cleanly, which results in significant reductions in pollution-causing exhaust components such as carbon monoxide, nitrogen oxides and reactive hydrocarbons. Soot, smoke particles and irritating odors are virtually eliminated, making natural gas an ideal choice for fleets. Using clean burning natural gas reduces our dependence on foreign oil.

BAUER COMPRESSORS INC.
1328 Azalea Garden Rd. | Norfolk, VA 23502
TEL. +1 (757) 855-6006
FAX +1 (757) 857-1041
sls@bauercomp.com
www.bauercomp.com

Scan QR code with your smartphone to learn more.

MS
382.13.06.500SP

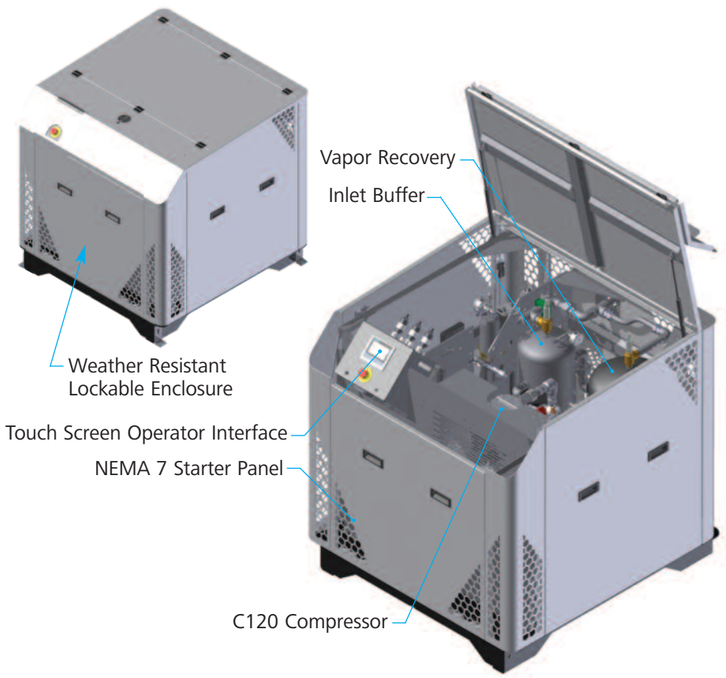
Micro series

BAUER Micro Series Self Contained Compression System

The BAUER Micro Series Self Contained Compression System utilizes natural gas available at any business and compresses it for storage in pressurized fuel cylinders for over-the-road and in-plant vehicles. Due to it's small footprint and low cost, it is suited for industrial and commercial applications with smaller fleets or for companies which are starting to make the switch over to natural gas as an alternative fuel.

The BAUER Micro CNG System is ideal for smaller commercial fleet applications, forklifts and other in-plant equipment, CNG automobile applications and more. It is an affordable solution for on-site refueling in areas which lack convenient, public access natural gas refueling stations.

- Multi-vehicle flexibility
- Time-fill and/or fast-fill applications
- Air - Cooled, pressure lubricated, continuous-duty rated
- Highest durability rated, unmatched reliability
- Affordable and economical



STANDARD FEATURES

- **Compressor**
  - BAUER compressor for natural gas
  - Air-cooled and pressure lubricated
  - Interstage separators
  - Gas-tight relief valve, each stage
  - Encapsulated crankcase, gas is not vented to the atmosphere
  - Oil level sight glass
  - Continuous-duty rated
- **Electrical**
  - Built in compliance to the NEC Article 500 for Class I, Division 2, Group D
  - TEFC motor with Class I, Division 2, nameplate
  - NEMA 4 enclosure for control components
  - NEMA 7 enclosure for power components
- **Control devices**
  - Siemens S7-1200 PLC
  - Push button control with LED
  - Solenoid valve, strainer and check valve at inlet
  - Automatic condensate drain
  - Pressure maintaining valve and check valve at outlet
  - Final pressure sensor for automatic operation
- **Monitoring, locally mounted pressure gauges**
  - Inlet, each stage, oil, vapor recovery and final
- **Safety features**
  - Alarm for low/high inlet pressure, low oil pressure and high temperature
  - Emergency stop device, Power-ON light and alarm light
  - Guarding for cooling fan and v-belt drive
- **Piping and tubing**
  - Stainless steel
- **Package features**
  - Skid mounted open frame design
  - Compressor and motor vibration isolated from skid
  - Powder coated skid for superior corrosion protection
  - Mounting and leveling feet, qty. 4
  - Forklift accessible from all sides
  - Skid edge utility connections
  - Inlet buffer tank, 10 gallon, 200 psi, ASME
  - Vapor recovery tank, 20 gallon, 200 psi, ASME
- **Documentation**
  - Operation and Maintenance manual, wiring schematic and P&ID displayed on HMI
  - BAUER University videos for service tasks displayed on HMI
- **Compliances**
  - Manufactured in accordance with the latest edition of NFPA 52 and NEC Article 500
  - C-UL-US electric panel, BAUER UL File number E141433
  - BAUER's quality management system is registered to ISO 9001:2008
  - Factory test
- **Warranty**
  - 2 Year
- **Cabinet (Weather Resistant Enclosure)**
  - Made of galvannealed sheet steel and powder coated for superior corrosion protection
  - Lockable access panels

AVAILABLE OPTIONS

- Temperature Compensation
  - Ambient temperature sensor with user selectable temperature-compensated final pressure
- HMI for compressor set-up and troubleshooting
- 1 phase 208v-230v - 5hp | 3kW
- High pressure dryer
- Remote monitoring via cell phone
- Crankcase heater
- ATEX / TUV Certified

Technical Data

Model	Capacity				Inlet pressure		Number of stages	Speed max	Motor power		Power requirement at max final	
	CFM	m³/h	DGE/H	GGE/H	psi (g)	bar		rpm	hp	kW	hp	kW
C120-6	6.3	10.7	2.8	3.1	5	0.3	3	965	5	3	4.6	3.4
C120-9	9	15.3	4	4.5	5	0.3	3	1365	7.5	5.5	7.0	5.2

C120-6 = Single phase | C120-9 = Three phase

Daily capacity in equivalent gallons based on daily compressor operating hours

Model	4 hours		6 hours		8 hours		10 hours		12 hours		14 hours		16 hours		18 hours	
	DGE	GGE	DGE	GGE	DGE	GGE	DGE	GGE	DGE	GGE	DGE	GGE	DGE	GGE	DGE	GGE
C120-6	11	12	17	19	22	25	28	31	34	37	39	44	45	50	50	56
C120-9	16	18	24	27	32	36	40	45	48	54	56	63	64	72	72	81

Maximum operating pressure = 5000 psi (345 bar) | Tolerance on performance values, +/- 5% | Information subject to modification without notice or obligation.
DGE = Diesel gallon equivalent | GGE = Gasoline gallon equivalent | 1 Gallon = 3.8 liters

C120

DIMENSIONS L x W x H inches (mm)
- 51 x 51 x 51 (1295 x 1295 x 1295)

WEIGHT pounds (kg)
- 1430 - 1515 (649 - 687) depending upon model and options