

HIGH PRESSURE COMPRESSORS

For Natural Gas Vehicle Refueling



WORLDWIDE

QUALITY

INNOVATION

RELIABILITY



CONTENTS

COMPANY

- › Mission Statement 4
- › History, Innovation, Quality 5

CNG SOLUTIONS

- › BAUER CNG Solutions 6

PRODUCTS

- › Our Product Range 8
- › BAUER MICRO SERIES™ C120 10
- › BAUER COMPACT SERIES™ C15/22 11
- › BAUER M-SERIES™ SIMPLEX 12
- › BAUER M-SERIES™ DUPLEX 13
- › BAUER C26 X-FILL™ 14
- › BAUER C52 X-FILL™ 15
- › BAUER XXL™ SYSTEMS 16

OPTIONS

- › System Optional Features 20

BAUER CONNECT™ TECHNOLOGY

- › BAUER CONNECT™ 22
- › BAUER Remote HMI 22
- › BAUER SCADA 23
- › BAUER Mobile 23
- › BAUER Advanced Data Analytics 23
- › BAUER Reports 23

CUSTOMER SUPPORT

- › Parts, Service, Support & Training 24

PLANNING

- › Questionnaire 26



HIGHEST QUALITY PRODUCTS AND SOLUTIONS FOR HIGH PRESSURE...

MISSION STATEMENT

Our mission at BAUER COMPRESSORS INC. is to provide the highest quality products and solutions for high pressure air and gas. We are committed to using the latest technology, best materials, most qualified human resources, and the most efficient fabrication techniques. As a result, our equipment solutions offer superior performance along with best value, and are delivered on time, defect-free and are supported to achieve their maximum potential throughout their entire lifecycle.



 **MADE IN USA**

HISTORY

TRUSTED INDUSTRY LEADER FOR OVER 70 YEARS

For the past 70 years, BAUER compressors has stood the test of time for the highest level of performance, quality, safety, and innovation. All BAUER compressors are designed and manufactured in-house with complete control of every step to ensure that BAUER’s uncompromising standards for ultimate performance, unmatched reliability, highest durability, and lowest cost of ownership are met. At BAUER, we are well known for our high-tech precision manufacturing and quality process, resulting in products that outperform and outlast any other compressor brand on the market today.

INNOVATION

ULTIMATE PERFORMANCE AND RELIABILITY

At BAUER, we are committed to providing our customers with the most technologically advanced products in the world. Only the latest CAD and finite element calculation programs are used in the design of each product. To maintain our technological edge, BAUER reinvests a large portion of corporate earnings back into R&D. Simultaneously, we draw on our more-than-a century of machine building heritage to advance our causes for the future. The result: products which are built to attain the highest standards of performance and reliability.

QUALITY

LOWEST COST OF OWNERSHIP

At BAUER, our world-renowned quality is a result of being vertically integrated. We maintain control of the entire production process, starting from R&D, to engineering & design, and to manufacturing & assembly. Only the highest -grade materials and state of the art precision manufacturing methods are used in the making of each compressor. To ensure consistent quality throughout, our entire manufacturing process, from the compressor to complete system, is ISO9001 certified. Every unit is put through rigorous testing by our QC department before release from our factory for shipping. The result: a highly-reliable product that keeps on performing with minimal cost of ownership.

BAUER CNG SOLUTIONS

Central Valley Transportation Center
Reedley, CA

Since the beginning of the 1970's, BAUER has been manufacturing system solutions for filling vehicles running on Compressed Natural Gas (CNG). There are currently over 1,400 BAUER CNG compressor systems in operation worldwide. Each BAUER CNG system is built with the same level of innovation and quality as the BAUER compressor at the heart of the system.

RANGE AND FLEXIBILITY FOR ANY SIZE FLEET

At BAUER, we offer our customers complete flexibility. Our product offering ranges from simple compression systems, all the way to complete systems with drying, storage, priority, and sequencing. Our customers have the option to choose from a number of pre-engineered systems designed for maximum value and shorter lead times with a wide performance range to accommodate any size fleet. For special customer needs, we also offer customized CNG solutions.

SAFETY - BUILT INTO EVERY SYSTEM

With over 40 years of CNG experience, safety is an integral part of the

design of all BAUER CNG systems. All systems are built to the latest edition of the NFPA 52 code and all critical control points, such as temperatures, pressures, and electrical loads, are continuously monitored throughout the process to ensure safe and reliable operation of the compression system.

BEST WARRANTY IN THE INDUSTRY

We are so confident in our quality, that the BAUER Micro Series™, Compact Series™, M-Series™ and L-Series™ are warranted for two years and our X-Fill™ are warranted for five years (with maintenance agreement) for both parts and labor. In addition, we guarantee that all compressors are supported with spare parts for 30 years. This level of support is unmatched in the industry.

24/7 CUSTOMER SUPPORT

All BAUER CNG systems are supported by a nationwide network of BAUER factory trained technicians. We are available 24/7 for technical and spare parts support. We also offer remote monitoring of your BAUER CNG system for early problem detection and to ensure the highest level of uptime and reliability for years to come.

OUR PRODUCT RANGE

MICRO SERIES™

- › 3.2 - 4.5 GGE/HR
- › 6.3 - 9 CFM
- › 5 - 7.5 HP
- › 3.7 - 5.5 KW

COMPACT SERIES™

- › 11 - 40 GGE/HR
- › 22 - 80 CFM
- › 15 HP (SIMPLEX) 15(x2) HP (DUPLEX)
- › 10.9 KW (SIMPLEX) 10.9(x2) KW (DUPLEX)

M-SERIES™*

- › 38 - 122 GGE/HR
- › 75 - 244 CFM
- › 50-60 HP (SIMPLEX) 50-60(x2) HP (DUPLEX)
- › 37-45 KW (SIMPLEX) 37-45(x2) KW (DUPLEX)

CLASSIC SERIES™

- › 25 - 50 GGE/HR
- › 50 - 100 CFM
- › 40 HP (SIMPLEX)
- › 40(x2) HP (DUPLEX)
- › 30 KW (SIMPLEX)
- › 30(x2) KW (DUPLEX)

L-SERIES™*

- › 38 - 70 GGE/HR
- › 75 - 140 CFM
- › 60 - 125 HP
- › 45 - 90 KW

C26 X-FILL™*

- › 88 - 202 GGE/HR
- › 175 - 404 CFM
- › 150 - 175 HP
- › 110 - 132 KW

C52 X-FILL™*

- › 176 - 381 GGE/HR
- › 351 - 761 CFM
- › 270 - 335 HP
- › 200 - 250 KW

SIMPLEX

DUPLEX

SIMPLEX

DUPLEX

SIMPLEX

DUPLEX

*optional underskid storage shown

NATURAL GAS



Natural gas is supplied upon demand to millions of businesses throughout the U.S. It is 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 be converted at the flip of a switch to operate on either natural gas or gasoline (bi-fuel), without compromising performance. 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 ranges between

one-half and three-quarters the cost of its gasoline equivalent. This can result in substantial savings for high-mileage commuters with commercial vehicles. It should also be noted that natural gas prices have a history of being relatively stable; there are no fluctuations 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 MICRO SERIES™ C120
CNG Systems for Small Fleets

- › 5-7.5 HP (3.7-5.5KW)
- › 6.3-9.0 SCFM (11-15 M³/HR)
- › 5000 PSIG (345 Bar) PSIG max discharge pressure



› **BAUER MICRO SERIES™ C120**
Available with optional enclosure

SYSTEM FOOTPRINT

DIMENSIONS LxWxH inches(mm)

- › 55” x 57” x 52” (1397mm x 1448mm x 1321mm)

WEIGHT pounds (kg) approx.

- › 1430-1515lbs (649-687 kgs)
Depending upon model and options

TECHNICAL DATA

| Model* | Inlet Pressure | | | | Final Pressure | | Capacity | | | | | | Number of Stages | Running Speed | Motor | |
|--------|----------------|-----|------|------|----------------|-----|----------|------|-------|-------|-------|-------|------------------|---------------|-------|-----|
| | PSIG | | BAR | | PSIG | BAR | | | | | | | | | | |
| | MIN | MAX | MIN | MAX | MAX | MAX | CFM | M³/H | DGE/H | DLE/H | GGE/H | GLE/H | RPM | | | |
| C120-6 | 1 | 5 | 0.07 | 0.34 | 5000 | 345 | 6.3 | 11 | 2.7 | 10.2 | 3.2 | 12.1 | 3 | 965 | 5 | 3.7 |
| C120-9 | 1 | 5 | 0.07 | 0.34 | 5000 | 345 | 9 | 15 | 4 | 15.1 | 4.5 | 17 | 3 | 1350 | 7.5 | 5.5 |

Note: All capacities are referenced to maximum inlet pressure. Capacity is reduced if inlet pressure is less than maximum. Performance tolerance +/- 5%.
*C120-6=230 V, 1 Phase, 60 Hz; C120-9= 230-460 V, 3 Phase, 60 Hz

BAUER COMPACT SERIES™ C15/22
CNG Systems for Small to Medium Fleets

- › 20-30 HP (13.3-21.7KW)
- › 22-40 SCFM (37-68 M³/HR)
- › 5000 PSIG (345 Bar) PSIG max discharge pressure



› **BAUER COMPACT SERIES™ C15/22**
Available with optional enclosure

SYSTEM FOOTPRINT

DIMENSIONS LxWxH inches (mm) approx.

- › 97” x 58” x 85” (2464mm x 1473mm x 2159mm)

WEIGHT pounds (kg) approx.

- › 3200-4000 lbs (1066-1814 kgs)
Depending upon model and options
*Dimensions exclude vent stack

TECHNICAL DATA (FOR DUPLEX: THE INLET & FINAL PRESSURES ARE THE SAME. CAPACITY & HP x2)

| Model | Inlet Pressure | | | | Final Pressure | | Capacity | | | | | | Number of Stages | Running Speed | Motor | |
|---------------|----------------|-----|------|------|----------------|-----|----------|------|-------|-------|-------|-------|------------------|---------------|-------|------|
| | PSIG | | BAR | | PSIG | BAR | | | | | | | | | | |
| | MIN | MAX | MIN | MAX | MAX | MAX | CFM | M³/H | DGE/H | DLE/H | GGE/H | GLE/H | RPM | HP | KW | |
| C15.2 Simplex | 1 | 5 | 0.07 | 0.34 | 5000 | 345 | 22 | 37 | 9 | 34 | 11 | 42 | 4 | 1350 | 20 | 13.3 |
| C15.4 Simplex | — | 60 | — | 4.14 | 5000 | 345 | 27 | 46 | 12 | 45 | 14 | 53 | 3 | 1350 | 15 | 10.9 |
| C22.0 Simplex | 1 | 5 | 0.07 | 0.34 | 5000 | 345 | 40 | 68 | 17 | 64 | 20 | 76 | 4 | 1250 | 30 | 21.7 |

Note: All capacities are referenced to maximum inlet pressure. Capacity is reduced if inlet pressure is less than maximum. Performance tolerance +/- 5%. Please contact your BAUER representative for details about our warranty. 1) + or - 5% dB

BAUER M-SERIES™ SIMPLEX
CNG Systems for Medium to Large Fleets

- › 50-60 HP (37-45 KW)
- › 75-122 SCFM (127-207 M³/HR)
- › 5000 PSIG (345 Bar) PSIG max discharge pressure



› **BAUER M-SERIES™ SIMPLEX**
Available with optional enclosure

SYSTEM FOOTPRINT

DIMENSIONS LxWxH inches(mm)

- › 133” x 104” x 115” (3378mm x 2642mm x 2921mm)

WEIGHT pounds (kg) approx.

- › 10000 lbs (4535 kgs)

TECHNICAL DATA

| Model | Inlet Pressure | | | | Final Pressure | | Capacity | | | | | | Number of Stages | Running Speed | Motor | |
|----------------|----------------|-----|------|-----|----------------|-----|----------|------|-------|-------|-------|-------|------------------|---------------|-------|----|
| | PSIG | | BAR | | PSIG | BAR | | | | | | | | | | |
| | MIN | MAX | MIN | MAX | MAX | MAX | CFM | M³/H | DGE/H | DLE/H | GGE/H | GLE/H | | | RPM | HP |
| | | | | | | | | | | | | | | | | |
| C23.2 | 10 | 15 | 0.7 | 1 | 5000 | 345 | 75 | 127 | 32 | 121 | 38 | 144 | 4 | 1425 | 60 | 45 |
| C23.10 | 30 | 65 | 2 | 4.5 | 5000 | 345 | 86 | 146 | 37 | 140 | 43 | 162 | 4 | 1200 | 60 | 45 |
| C23.12 | 65 | 145 | 4.5 | 10 | 5000 | 345 | 115 | 195 | 49 | 185 | 58 | 220 | 4 | 1200 | 60 | 45 |
| C23.13 | 116 | 200 | 8 | 14 | 5000 | 345 | 122 | 207 | 52 | 196 | 61 | 230 | 4 | 1200 | 50 | 37 |
| Classic Series | | | | | | | | | | | | | | | | |
| C23.1 Simplex | 1 | 5 | 0.07 | .34 | 5000 | 345 | 50 | 85 | 21 | 79 | 25 | 95 | 4 | 1300 | 40 | 30 |

Note: All capacities are based on pipeline quality natural gas supplied at the maximum allowable inlet pressure to the compressor and 3600 psig discharge pressure. For all models lower inlet pressure is possible but with reduced capacity and possibly reduced discharge pressure. Motor power is reference to maximum allowable inlet pressure and 4500 psig discharge pressure. Consult BAUER for performance at other conditions. Performance tolerance +/- 5% 1) + or - 5% dB. Please contact your BAUER representative for details about our warranty.

BAUER M-SERIES™ DUPLEX
CNG Systems for Medium to Large Fleets

- › 100-120 HP (75-90 KW)
- › 150-244 SCFM (254-414 M³/HR)
- › 5000 PSIG (345 Bar) PSIG max discharge pressure



› **BAUER M-SERIES™ DUPLEX**
Available with optional enclosure

SYSTEM FOOTPRINT

DIMENSIONS LxWxH inches(mm)

- › 192” x 90” x 113” (4877mm x 2286mm x 2870mm)

WEIGHT pounds (kg) approx.

- › 17000 lbs (7711 kgs)

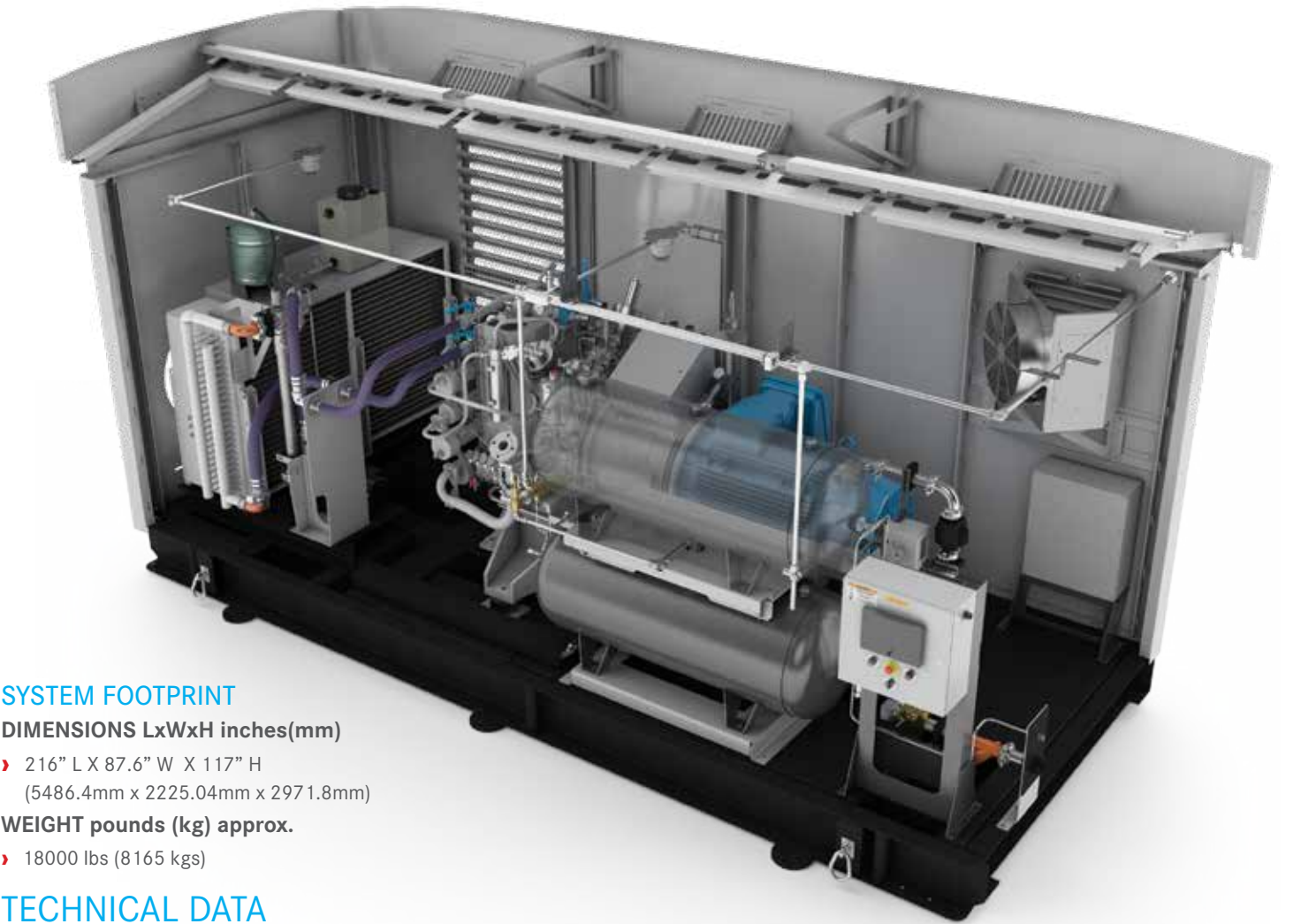
TECHNICAL DATA

| Model | Inlet Pressure | | | | Final Pressure | | Capacity | | | | | | Number of Stages | Running Speed | Motor | |
|----------------|----------------|-----|------|-----|----------------|-----|----------|------|-------|-------|-------|-------|------------------|---------------|---------|---------|
| | PSIG | | BAR | | PSIG | BAR | | | | | | | | | | |
| | MIN | MAX | MIN | MAX | MAX | MAX | CFM | M³/H | DGE/H | DLE/H | GGE/H | GLE/H | | | | |
| | | | | | | | | | | | | | | RPM | HP | KW |
| C23.2 Duplex | 10 | 15 | 0.7 | 1 | 5000 | 345 | 150 | 254 | 64 | 242 | 76 | 288 | 4 | 1425 | 60 (x2) | 45 (x2) |
| C23.10 Duplex | 30 | 65 | 2 | 4.5 | 5000 | 345 | 172 | 292 | 74 | 280 | 86 | 324 | 4 | 1200 | 60 (x2) | 45 (x2) |
| C23.12 Duplex | 65 | 145 | 4.5 | 10 | 5000 | 345 | 230 | 390 | 98 | 370 | 116 | 439 | 4 | 1200 | 60 (x2) | 45 (x2) |
| C23.13 Duplex | 116 | 200 | 8 | 14 | 5000 | 345 | 244 | 414 | 104 | 392 | 122 | 460 | 4 | 1200 | 50 (x2) | 37 (x2) |
| Classic Series | | | | | | | | | | | | | | | | |
| C23.1 Duplex | 1 | 5 | 0.07 | .34 | 5000 | 345 | 100 | 170 | 42 | 158 | 50 | 190 | 4 | 1300 | 40 (x2) | 30 (x2) |

Note: All capacities are based on pipeline quality natural gas supplied at the maximum allowable inlet pressure to the compressor and 3600 psig discharge pressure. For all models lower inlet pressure is possible but with reduced capacity and possibly reduced discharge pressure. Motor power is reference to maximum allowable inlet pressure and 4500 psig discharge pressure. Consult BAUER for performance at other conditions. Performance tolerance +/- 5%. 1) + or - 5% dB. Please contact your BAUER representative for details about our warranty.

BAUER C26 X-FILL™
CNG Systems for Large Fleets

- › 150-175 HP (110-132 KW)
- › 175-404 SCFM (297-686 M³/HR)
- › 5000 PSIG (345 Bar) PSIG max discharge pressure



SYSTEM FOOTPRINT

DIMENSIONS LxWxH inches(mm)

- › 216” L X 87.6” W X 117” H
(5486.4mm x 2225.04mm x 2971.8mm)

WEIGHT pounds (kg) approx.

- › 18000 lbs (8165 kgs)

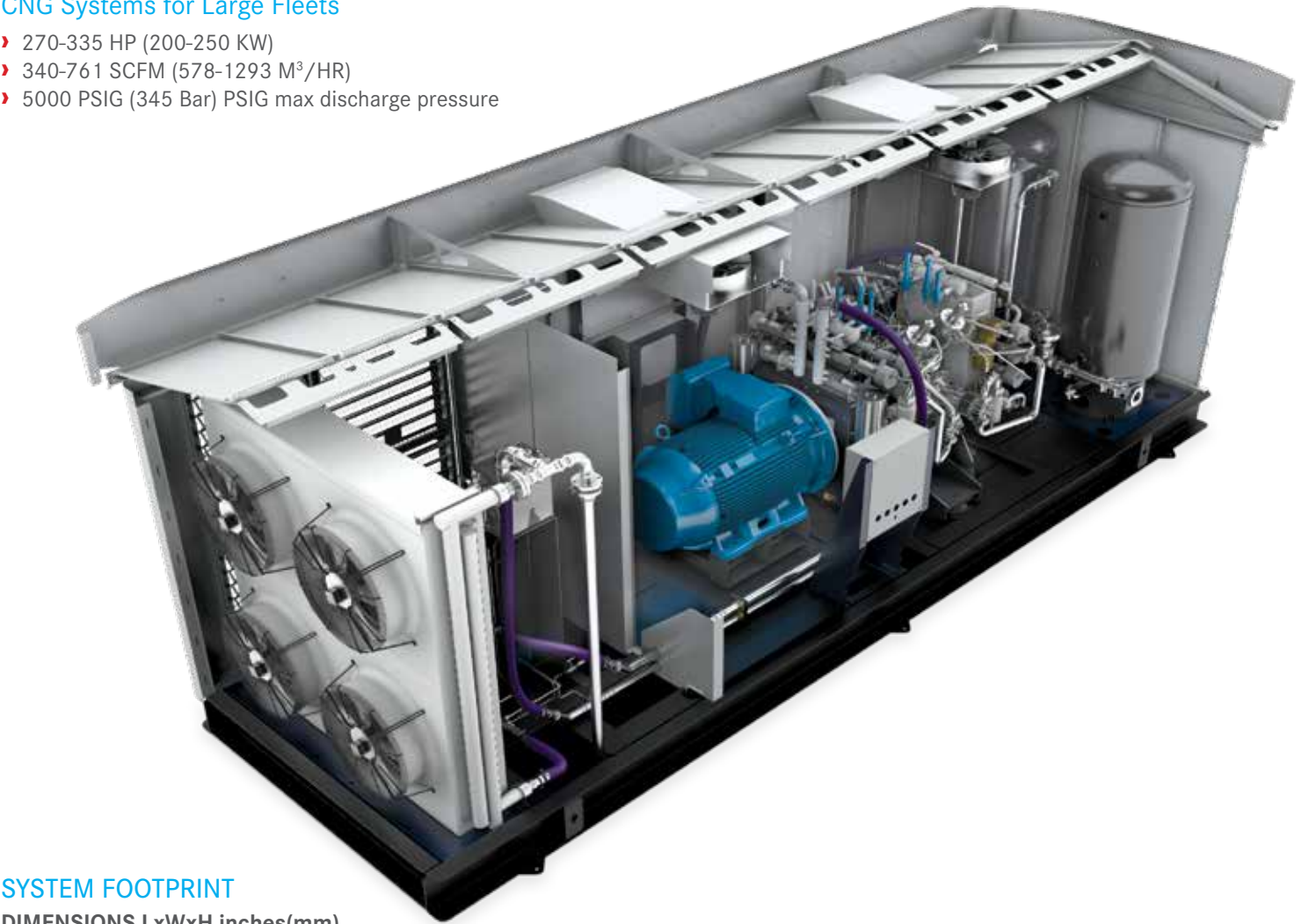
TECHNICAL DATA

| Model | Inlet Pressure | | | | Final Pressure | | Capacity | | | | | | Number of Stages | Running Speed | Motor | |
|--------|----------------|-----|-----|-----|----------------|-----|----------|------|-------|-------|-------|-------|------------------|---------------|-------|-----|
| | PSIG | | BAR | | PSIG | BAR | | | | | | | | | | |
| | MIN | MAX | MIN | MAX | MAX | MAX | CFM | M³/H | DGE/H | DLE/H | GGE/H | GLE/H | RPM | HP | KW | |
| C26.2 | 10 | 15 | 0.7 | 1 | 5000 | 345 | 175 | 297 | 75 | 284 | 88 | 333 | 4 | 1500 | 150 | 110 |
| C26.10 | 30 | 65 | 2 | 4.5 | 5000 | 345 | 319 | 542 | 137 | 519 | 160 | 606 | 4 | 1500 | 175 | 132 |
| C26.12 | 65 | 145 | 4.5 | 10 | 5000 | 345 | 361 | 613 | 155 | 587 | 181 | 685 | 4 | 1500 | 175 | 132 |
| C26.13 | 145 | 230 | 10 | 16 | 5000 | 345 | 404 | 686 | 173 | 655 | 220 | 765 | 4 | 1500 | 175 | 132 |

Note: All capacities are based on pipeline quality natural gas supplied at the maximum allowable inlet pressure to the compressor and 3600 psig discharge pressure. For all models lower inlet pressure is possible but with reduced capacity and possibly reduced discharge pressure. Motor power is reference to maximum allowable inlet pressure and 4500 psig discharge pressure. Consult BAUER for performance at other conditions.

BAUER C52 X-FILL™
CNG Systems for Large Fleets

- › 270-335 HP (200-250 KW)
- › 340-761 SCFM (578-1293 M³/HR)
- › 5000 PSIG (345 Bar) PSIG max discharge pressure



SYSTEM FOOTPRINT

DIMENSIONS LxWxH inches(mm)

- › 297.6” L X 99.6” W X 117” H
(297.6mm x 2529.84mm x 2971.8mm)

WEIGHT pounds (kg) approx.

- › 22700 lbs (10297 kgs)

TECHNICAL DATA

| Model | Inlet Pressure | | | | Final Pressure | | | | Capacity | | | | Number of Stages | Running Speed | Motor | |
|--------|----------------|-----|------|------|----------------|-----|-----|------|----------|-------|-------|-------|------------------|---------------|-------|-----|
| | PSIG | | BAR | | PSIG | BAR | | | | | | | | | | |
| | MIN | MAX | MIN | MAX | MAX | MAX | CFM | M³/H | DGE/H | DLE/H | GGE/H | GLE/H | RPM | HP | KW | |
| C52.0 | 1 | 5 | 0.07 | 0.34 | 5000 | 345 | 340 | 578 | 146 | 553 | 170 | 644 | 4 | 1500 | 250 | 185 |
| C52.2 | 10 | 15 | 0.7 | 1 | 5000 | 345 | 351 | 596 | 150 | 568 | 176 | 666 | 4 | 1500 | 270 | 200 |
| C52.10 | 30 | 65 | 2 | 4.5 | 5000 | 345 | 618 | 1050 | 265 | 1003 | 309 | 1169 | 4 | 1500 | 335 | 250 |
| C52.12 | 65 | 145 | 4.5 | 10 | 5000 | 345 | 722 | 1227 | 309 | 1170 | 361 | 1366 | 4 | 1500 | 335 | 250 |
| C52.13 | 145 | 215 | 10 | 15 | 5000 | 345 | 761 | 1293 | 326 | 1234 | 381 | 1442 | 4 | 1500 | 335 | 250 |

Note: All capacities are based on pipeline quality natural gas supplied at the maximum allowable inlet pressure to the compressor and 3600 psig discharge pressure. For all models lower inlet pressure is possible but with reduced capacity and possibly reduced discharge pressure. Motor power is reference to maximum allowable inlet pressure and 4500 psig discharge pressure. Consult BAUER for performance at other conditions.

BAUER XXL™ SERIES CNG SYSTEMS

High CNG FLOW At Low Inlet Pressures

› Gas Tight Electrical Control Room

› GLYCOL - Air and Heat Exchanger

› BAUER C26 X-FILL™
4-Stage Reciprocating Booster Compressor

› HMI Control Panel

› BAUER GRU™ 9-75
Rotary Screw Compressor

› VFD Motor Control Panel

› Electrical Junction Box

BAUER C26 XXL™ MOBILE

Self-contained transportable CNG System configured for plug-and-play operation with instant site set-up. Flexible inlet pressure range from 5-215 PSIG.

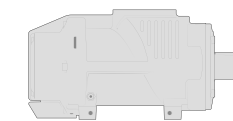
- › 250-275 HP (187-205 KW)
- › 360 SCFM (612 M³/HR)
- › 5000 PSIG (345 Bar) PSIG max discharge pressure

System Footprint:

40'L x 8'W x 9.5'H (12,192mm x 2,438mm X2,89mm)

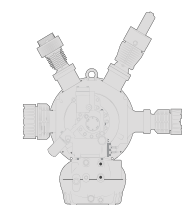
DIAGRAM OF BAUER XXL™ SERIES CNG SYSTEM

Low Inlet Pressure
Utility Natural Gas
5 – 25* PSIG



BAUER GRU™
Rotary Screw compressor

Gas boosted
to 145 PSIG



BAUER Standard M-Series™ / X-Fill™ Series
4-Stage Reciprocating Booster Compressor

Gas boosted
to 5000 PSIG

*Higher gas inlet pressure is possible but requires an inlet pressure regulator

The BAUER XXL™ series CNG systems have been designed to provide maximum flow at very low inlet pressures ranging from 5 PSIG up to 25 PSIG although the systems are also capable of taking higher inlet pressures.

Maximizing CNG flow at low inlet pressures is accomplished by adding another stage of compression in front of our standard C23.12 M-Series™, C26.12 X-Fill™ and C52.12 X-Fill™ CNG booster compressor systems.

The first compressor stage in the BAUER XXL™ series CNG compressor systems is a standard BAUER GRU™ rotary screw gas compressor system. BAUER GRU™ rotary screw compressor systems have been used extensively in Bio-gas applications around the world with a track record of extreme reliability. The BAUER GRU™ compressor boosts the available utility gas inlet pressure to maximize the performance of BAUER's standard M-Series™ and X-Fill™ series reciprocating booster compressors.

BAUER C23 XXL™ SYSTEM

- › 75-90 HP (56-67 KW)
- › 115 SCFM (195 M³/HR)
- › 5000 PSIG (345 Bar) PSIG max discharge pressure

SYSTEM FOOTPRINT

GRU™ 3/6

- › 133" x 104" x 115"
(3378mm x 2642mm x 2921mm)

C.23.12 M-SERIES™

- › 133" x 104" x 115"
(3378mm x 2642mm x 2921mm)



BAUER C26 XXL™ SYSTEM

- › 250-275 HP (187-205 KW)
- › 360 SCFM (612 M³/HR)
- › 5000 PSIG (345 Bar) PSIG max discharge pressure

SYSTEM FOOTPRINT

BAUER GRU™ 9

- › 55" W X 97" L X 85" H
(1397mm W X 2463.8mm L X 2159mm H)

C26.12 X-FILL™

- › 216" L X 87.6" W X 117" H
(5486.4mm x 2225.04mm x 2971.8mm)



BAUER C52 XXL™ SYSTEM

- › 475-550 HP (355-410 KW)
- › 720 SCFM (1244 M³/HR)
- › 5000 PSIG (345 Bar) PSIG max discharge pressure

SYSTEM FOOTPRINT

GRU™ 15/28

- › 100" W X 130" L X 117" H
(2540mm W X 3886mm L X 2971mm H)

C.52.12 X-FILL™

- › 297.6" L X 99.6" W X 117" H
(297.6mm x 2529.84mm x 2971.8mm)



TECHNICAL DATA

| Model | Gas Inlet Pressure Range (See Note 1 and 4) | | | | Final Discharge Pressure | | CNG Flow Capacity (See Note 2) | | | | | | Number of Stages | Combined Motor Power (See Note 3) | |
|----------------|--|-----|------|------|--------------------------|-----|-----------------------------------|------|-------|-------|-------|-------|------------------|--------------------------------------|-----------|
| | PSIG | | BAR | | PSIG | BAR | SCFM | M³/H | DGE/H | DLE/H | GGE/H | GLE/H | | | |
| | MIN | MAX | MIN | MAX | | | | | | | | | | HP | KW |
| C23-XXL | 5 | 25 | 0.35 | 1.72 | 5000 | 345 | 115 | 195 | 49 | 186 | 58 | 219 | 5 | 75 - 90 | 56 - 67 |
| C23-XXL Duplex | 5 | 25 | 0.35 | 1.72 | 5000 | 345 | 230 | 390 | 98 | 371 | 116 | 439 | 5 | 150 - 180 | 112 - 135 |
| C26-XXL | 5 | 25 | 0.35 | 1.72 | 5000 | 345 | 360 | 612 | 153 | 579 | 182 | 689 | 5 | 250 - 275 | 187 - 205 |
| C26-XXL Mobile | 5 | 25 | 0.35 | 1.72 | 5000 | 345 | 360 | 612 | 153 | 579 | 182 | 689 | 5 | 250 - 275 | 187 - 205 |
| C52-XXL | 5 | 25 | 0.35 | 1.72 | 5000 | 345 | 720 | 1244 | 307 | 1162 | 363 | 1374 | 5 | 475 - 550 | 355 - 410 |

Note 1: The volumetric capacity stated in the table can be achieved for all inlet pressure scenarios upwards of 5 psig inlet pressure. The size for the first stage GRU compressor varies with available gas inlet pressure.
Note2: Volumetric performance stated in ISO 1217 Standard Conditions: 14.5 psia, 68°F, 0%RH (100,000 kPa, 20°C, 0%RH)
Note 3:Motor power (HP / KW) requirement depends on inlet pressure which determines the size of the GRU rotary screw booster used for the application
Note 4: Gas inlet pressures above 25 psig require a gas inlet regulator

SYSTEM OPTIONAL FEATURES

HIGH PRESSURE DRYING

BAUER also offers high pressure dryers after compression to ensure pure gas.

- › **HIGH PRESSURE DRYER SYSTEM (SHOWN HERE)**
P14 CNG DRYER - For flows up to 150 CFM



STORAGE FOR FAST FILL

BAUER offers a variety of storage configurations depending on your fill requirements. A typical fast fill system consists of an array of ASME high pressure vessels (tube or cylindrical) arranged in a low, mid and high bank configuration. The charging and discharging of the banks is controlled through the priority and sequencing controls.

BAUER's underskid storage provides space savings where real estate is a premium.

PRIORITY AND SEQUENCING CONTROLS

BAUER offers Priority Panels to determine the filling sequence of each storage bank by the compressor based on the actual real-time pressure (gas fill level) in each bank.

BAUER offers three versions of Priority Panel. One that is an optional onboard bolt-on accessory for the M-Series™, M-Series™ Duplex and the X-Fill™ (this version is only available for single compressor system sites). For sites with multiple compressors we offer two stand-alone versions depending on the capacity/flow requirements (Intelli-Flo™ L and Intelli-Flo™ XL). The onboard Priority Panel algorithm is embedded in the PLC of the compressor system in which it is mounted. The Intelli-Flo™ versions have their own PLC and HMI and are capable of managing flow from one or multiple compressors.

BAUER Priority Panels insure optimum use of compressor flow to ensure proper storage filling and the most vehicles filled in the shortest possible time. Efficient use of storage not only maximizes the investment made in storage, but minimizes the cycling of the compressor(s).



BAUER CONNECT®

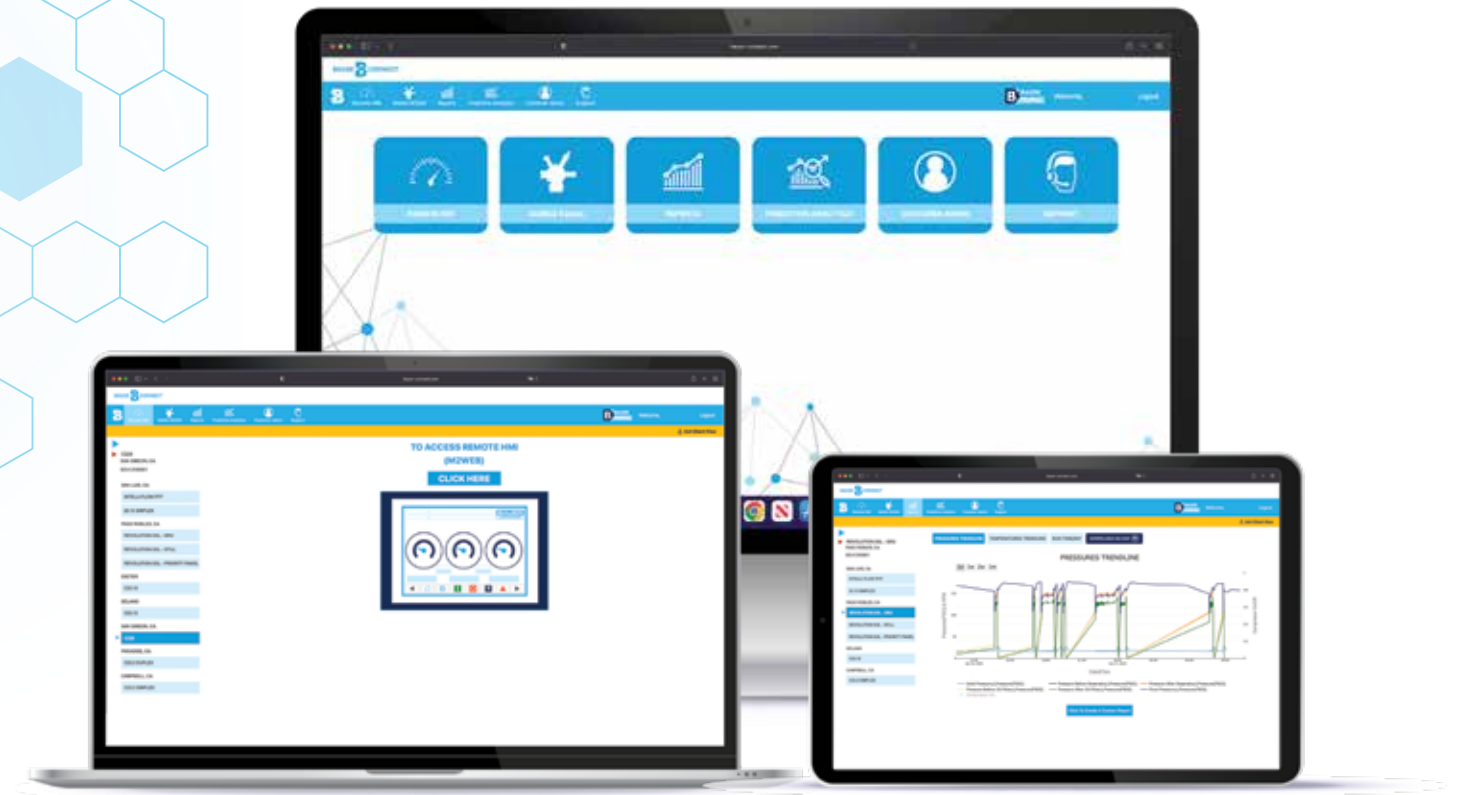
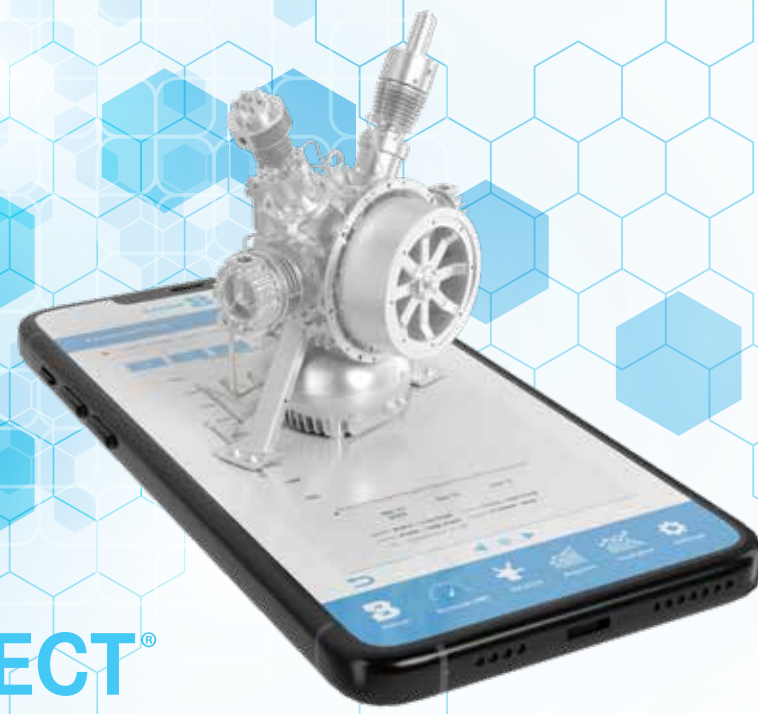
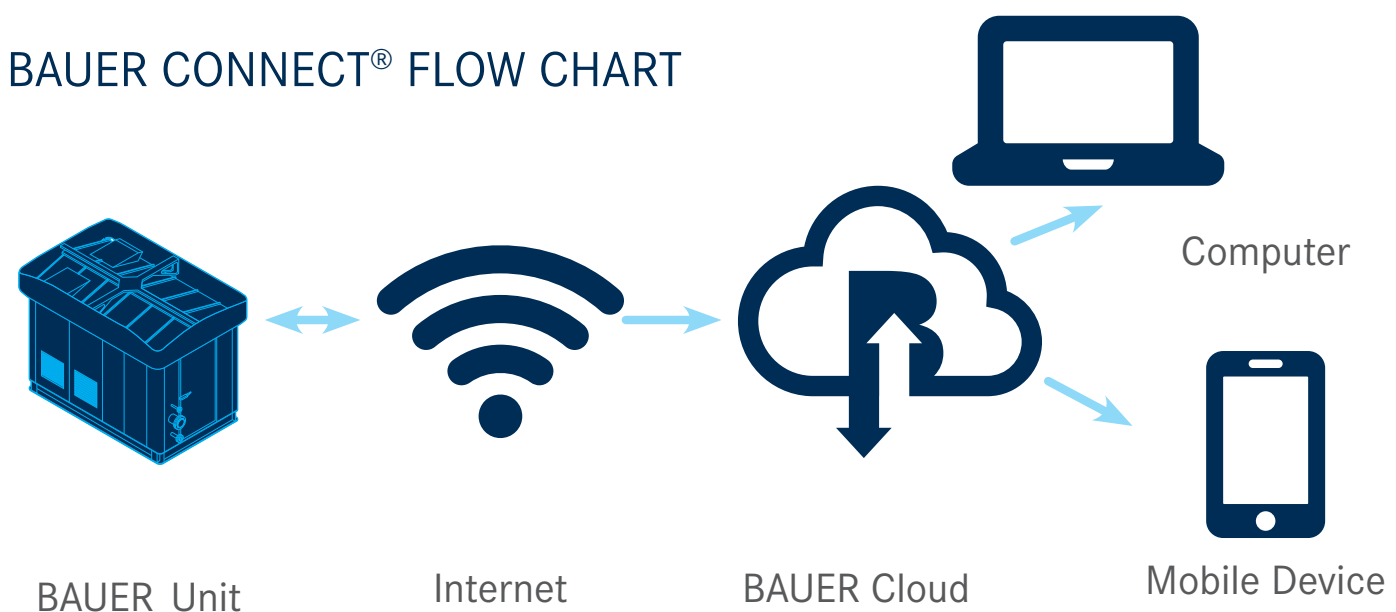
IOT REMOTE TELEMETRY AND CONTROL

BAUER CONNECT® is an app and internet-based IoT solution which allows BAUER customers to remotely monitor - and control - the performance of the entire BAUER system through any wireless mobile device or computer; anytime, anywhere.

Key Features: allow customers to increase efficiency and productivity, save time, do more with fewer resources, enjoy lower operational costs, and have total flexibility with a solution tailored specifically for the end-user.

BAUER CONNECT® - Connection that matters.

BAUER CONNECT® FLOW CHART



BAUER REMOTE HMI

The BAUER Remote HMI function allows factory-trained technical personnel to remotely control the BAUER system via the BAUER CONNECT® App with the same functionality as if one were standing in front of the actual unit.



BAUER REPORTS

The BAUER Reports feature is a function that generates custom reports tailored to the specific needs of the customer. Customers can have access to historical data via a multitude of standard and customized reports.



MOBILE DASHBOARDS

BAUER CONNECT® App will also display a real-time graphical display of the entire system (SCADA view). The Mobile Dashboard feature provides information such as compressor system status, error log, critical pressures and temperatures, and volume of air dispensed in storage information, etc.



BAUER PREDICTIVE ANALYTICS

This feature of BAUER CONNECT® provides a new pro-active dimension to perpetually maintaining customers' compressor systems at peak conditions with minimum downtime. BAUER's predictive analytics algorithm uses artificial intelligence to analyze the collected system information on the BAUER Cloud to predict upcoming maintenance requirements and preventative actions to avoid unplanned shutdowns.



NOTIFICATIONS

The BAUER CONNECT® Mobile App will send push notifications if certain critical parameters of the BAUER system fall outside of normal operating range or if triggered by a system alert. This assures that essential personnel is notified immediately, thus allowing for pro-active intervention in a situation that could potentially be detrimental to the BAUER system as well as the customer's operation.

TO LEARN MORE VISIT

bauer-connect.com

LIFECYCLE PERFORMANCE

BAUER is committed to the lifecycle performance of its customers

PARTS

 OEM PARTS WARRANTY

 RAPID DELIVERY

QUALITY AND RELIABILITY

Our factory-original replacement parts assure you that when maintenance or repair is performed, you are restoring the unit to its original specifications and performance.

PARTS: COMPATIBILITY


We configure our designs with interchangeability and our end user in mind. You can count on parts being available for all BAUER models.


PartsSales@BauerComp.com or 1-(844)-500-5822



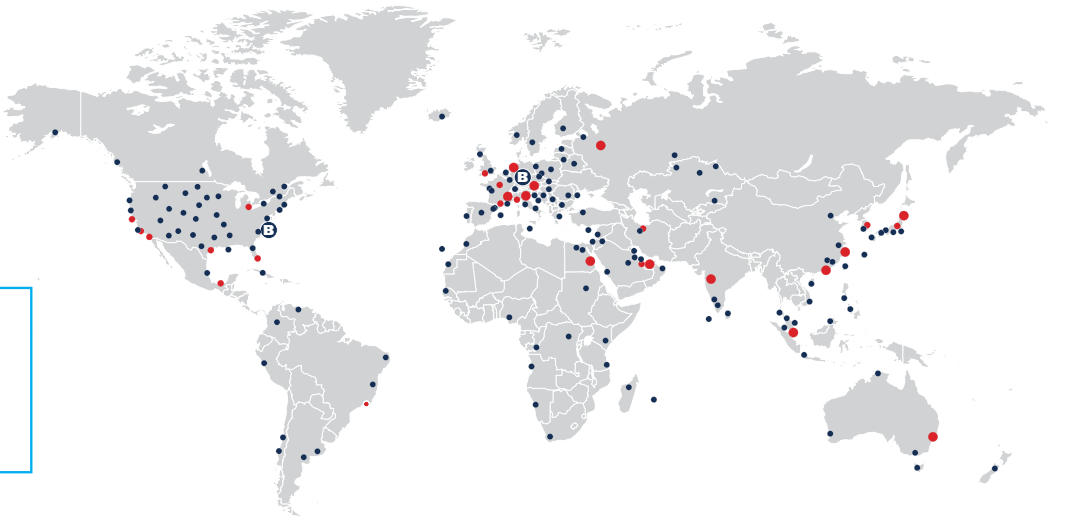
- | | |
|-----------------------------|-----------------------|
| 1. Purification | 5. Valves |
| 2. Gaskets and Seals | 6. Air Intake Filters |
| 3. Lubricants | 7. All 10,000+ Parts |
| 4. Fill Hose and Assemblies | |

GLOBAL SERVICE

 GLOBAL SERVICE REACH

 FACTORY TRAINED TECHS

- BAUER Germany & BAUER Norfolk
- BAUER Branches
- BAUER Service Centers/Distributors



SERVICE AND SUPPORT

Our compressors are designed with you in mind. Easy-to-use manuals guide you through clear, mechanically-accessible repairs. Our worldwide distribution network was developed to assist in after-sales support, along with product and maintenance parts assistance.

FROM THE SOURCE

BAUER COMPRESSORS INC., is certified with **ISO 9001:2015** quality processes providing you with confidence that cannot be duplicated by sub-standard after-market parts and service.



TRAINING

 ON-SITE/OFF-SITE TRAINING

 FACTORY TRAINED TECHS

BAUER COMPRESSORS INC. offers a variety of on-site and off-site Training Schools. Our on-site classes are held at our BAUER Training Facility and are taught by the same people who help manufacture, test, and service our products. From electrical systems to hands-on breakdowns, we cover all areas of compressor operation.

TRAINING TOPICS

Basic mechanical theory and control system theory (electric and pneumatic), along with troubleshooting for all BAUER systems.

Class schedule and course registration at:
www.BauerCustomerTraining.com



BAUER HELPDESK

 24-7 PHONE TECH SUPPORT

 LIFECYCLE PERFORMANCE

TRAINING TOPICS

Total customer satisfaction is our top priority. BAUER provides 24-7 phone tech and **troubleshooting** support at our BAUER Helpdesk. Our support continues throughout our warranty period and beyond.

»»» For BAUER Helpdesk please email:
CustomerService@BauerComp.com
or call at:
1-(844)-500-5822



PLANNING

QUESTIONNAIRE

Please complete as much of the information as possible so that we can size the compressor and/or storage system along with the appropriate ancillary equipment.

INFORMATION

Customer: Attention:

Street: City / State / Country:

Phone: Mobile:

Fax: E-mail:

Date Needed By: Potential Order Date:

Application:

Site Location:

GAS QUALITY

1 What is the pipeline pressure of the gas at the site (psig)?

2 Is the gas pipeline quality and does it meet the requirements of NFPA 52?

3 What is the moisture content of the gas (lbs / MMscf)?

POWER

1 What is the preferred prime mover, electric motor or natural gas engine?

2 Specify the electrical classification for the site (e.g. Class 1, Group D, Division 1 or Division 2).

3 Specify the electrical service(s) available at the site (volts/phase/hertz).

NOTE: For natural gas engine drive 120/1/60 is required.

FLEET INFORMATION

1 How many NGVs are to be refueled? What is the fill pressure(s)(psig)?

2 How many are to be slow filled? How many are to be fast filled?

3 What is the NGVs stored gas volume or water volume or GGE (scf or scf w.v. or GGE)?
NOTE: 125 scf is equivalent to one gallon of gasoline; 140 scf is equivalent to one gallon of diesel.

4 Describe the fleet, e.g. cars / pickups / vans / forklifts / buses, etc.

5 What is the average daily fuel usage for each NGV or the average daily mileage for each NGV or the average daily run time for each NGV(e.g. forklift)?

6 What is the typical fuel efficiency for the NGVs (mpg or gallons per hour for forklifts)?

FLEET INFORMATION (continued)

7 Will the station be for public or private access?

8 How many days per week is the fleet in service? How many hours per day is the fleet in service?

9 Specify the peak demand period(s) and how many NGVs refuel during each peak demand period.

STATION REQUIREMENTS

1 Is there a requirement for a redundant compressor? Yes No
If Yes, is 50% or 100% redundancy preferred?

2 What is the ambient temperature range at the site (°F min - °F max)?

3 Is an enclosure required? Yes No Noise level requirement (dBA)

How many fast fill hose drops are required?

Is mass flow metering required for fast fill?

What type of dispenser(s) are required for fast fill, fill post, or electronic (metered) dispenser?

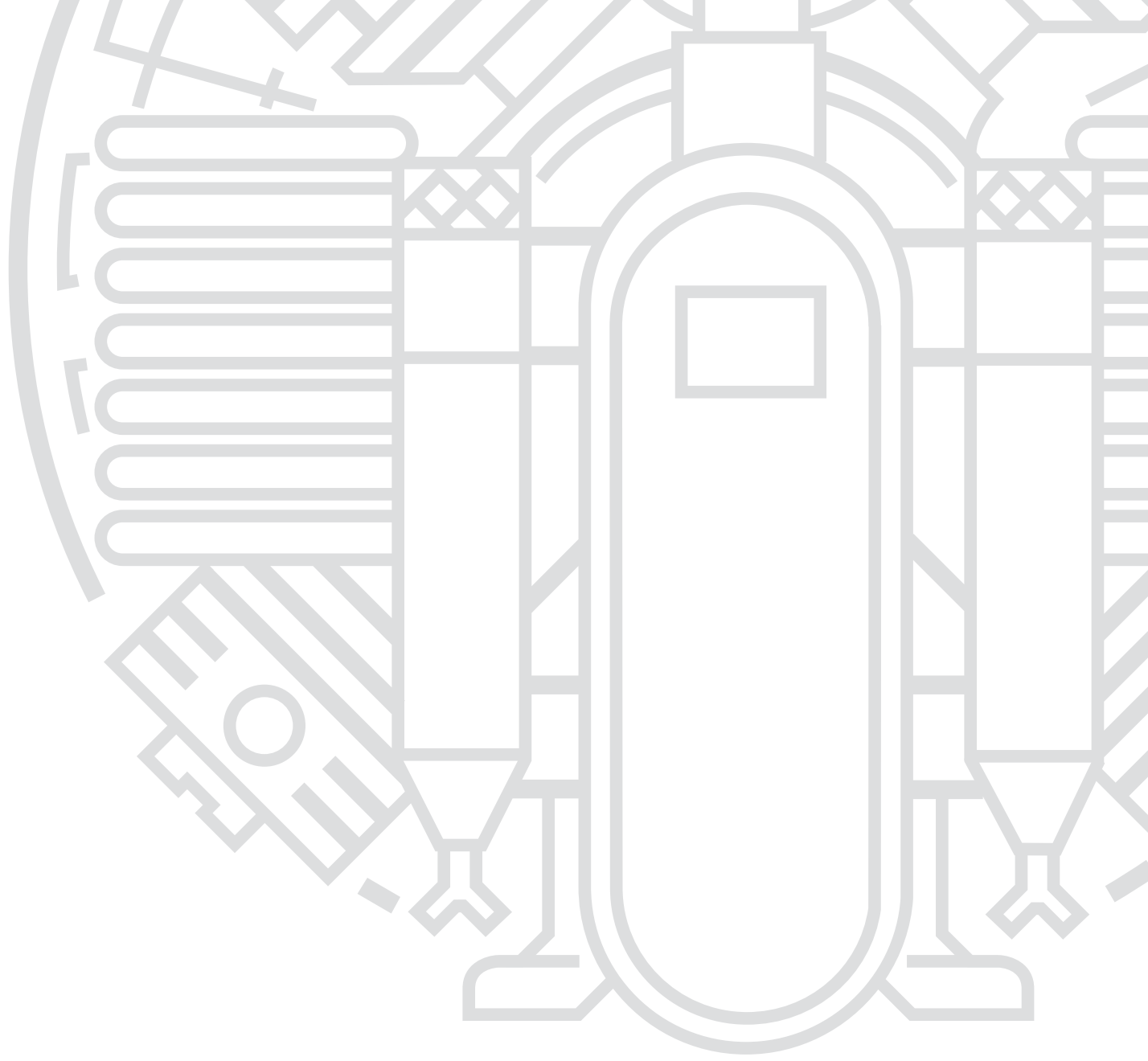
How many slow fill hose drops are required?

Is mass flow metering required for slow fill?

Is fuel management required? Do you have an existing fuel management system?

Please provide any other information about the fleet or site that may assist us in our evaluation.

In addition to answering these questions, we urge the purchaser and/or user to become familiar with the latest addition of NFPA 52 and to contact the local gas utility and the local authority having jurisdiction (AHJ) before writing a specification or purchasing equipment. Contact BAUER for assistance.



FOR MORE INFORMATION PLEASE CONTACT:

PAULA HEBERT

Tel. +1 (972) 548-9221

JOHN MIRABELLI

Tel. +1 (757) 858-5139

CNGsales@BauerComp.com

www.BauerCNG.com



SCAN TO DOWNLOAD THE PDF

1147.02.23 200GP
Subject to technical changes