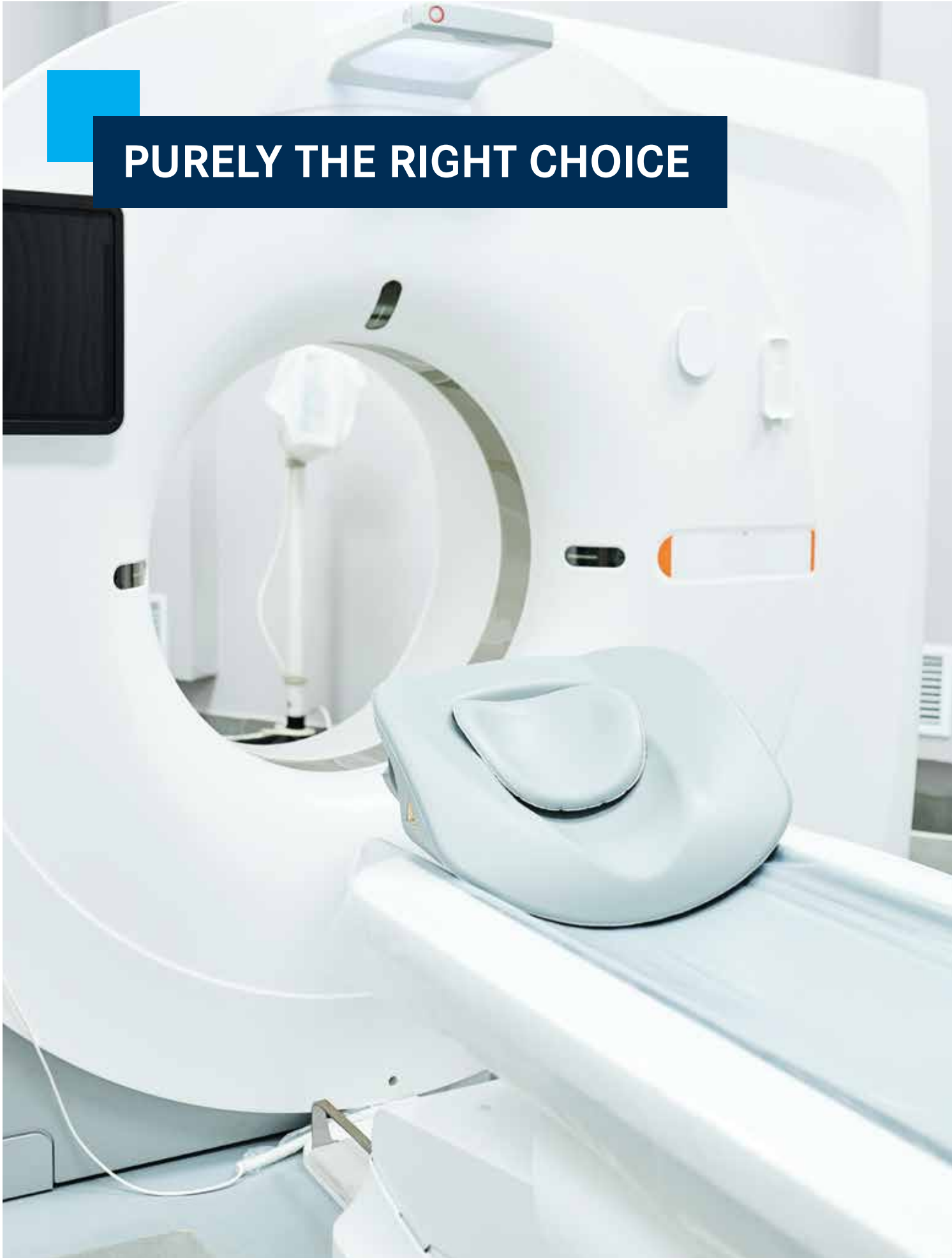


# BAUER He-SERIES

## Helium Solutions Catalog



INDUSTRY



**PURELY THE RIGHT CHOICE**

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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 75 YEARS

For the past 75 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 HELIUM SOLUTIONS



BAUER has been providing helium compressors and ancillary equipment to well-known gas industry leaders since the 1980s. Now, over forty years later, we are proud to be the gold standard in helium-specific compressors. We are well suited to meet essentially any demand which requires boosting – or compressing – helium to high pressures.

## HIGH-PRESSURE SOLUTIONS

Helium gas has a density which is 86% less than air. This means that the compressors must be built to extremely tight tolerances to effectively compress the gas without excessive blow-by. Furthermore, helium releases large amounts of heat when it is compressed, which the compressor must be able to absorb and shed. BAUER's water cooling technology meets these requirements with increased cooling efficiency, and our purpose-built helium compressors can accommodate some of the most difficult parameters.

## HELIUM RECOVERY

Helium is similar to crude oil: there are plenty of deposits on Earth, but only in specific regions. In order to mitigate the widespread dependence on this element, BAUER helium recovery compressor systems assist in minimizing the waste of helium.

## BEST WARRANTY IN THE INDUSTRY

We are so confident in our quality that our helium systems are warranted for two years after the shipment date. This level of support is virtually unmatched in the industry.

## 24/7 CUSTOMER SUPPORT

All BAUER helium 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 system for early problem detection, to ensure the highest level of uptime and reliability for years to come.

## G60-V He-SERIES THE ALL-IN-ONE COMPACT HELIUM RECOVERY SOLUTION

BAUER has developed an all-new helium recovery system in an outstandingly compact design, in response to specific market demand. Standard systems which collect helium in bulky external gas balloons can be too big for certain applications. Hospitals, laboratories, and other medical facilities often work with small volumes of helium but have limited space. BAUER's new G60-V system for helium recompression was designed specifically for cases like these.

The compact plug-and-play solution accommodates all of the system components in a neat vertical housing which minimizes the machine footprint. As a standout feature, the gas balloon for helium collection is dimensioned in alignment with the system output and directly integrated into the housing. An ultra-compact compressor block compresses the helium from the balloon to 200 bar (2900 psig). After passing through the integrated gas purification system, the compressed helium reaches a sufficient purity level for most applications. The system therefore makes an important contribution to conserving helium, a rare gas.

### SYSTEM FOOTPRINT

**DIMENSIONS L x W x H inches (mm) approx.**

- › 56" x 32" x 61" (1410 mm x 802 mm x 1547 mm)

**WEIGHT pounds (kg) approx.**

- › 290 lbs (640 kg)



## TECHNICAL DATA

| Model                                   | Max Inlet Pressure |      | Capacity FGD |                    | RPM  | Number of Stages | Motor |     | Drive |
|---|--------------------|------|--------------|--------------------|------|------------------|-------|-----|-------|
|   | PSIG               | mBAR | SCFM         | M <sup>3</sup> /HR |      |                  | HP    | KW  |       |
| <b>3000 PSIG (3260 PSIG RV SETTING)</b> |                    |      |              |                    |      |                  |       |     |       |
| G60-V                                   | atm                | atm  | 2.1          | 3.6                | 1850 | 3                | 3     | 2.2 | E1    |

## BAUER He-SERIES 1

Compact Design for Low-Flow Applications  
Air-Cooled – 3-, 4-, and 5-Stage Compressors

BAUER H-Series compressors for helium are available in a wide range of capacities for a multitude of helium applications. The experts at BAUER can assist with selecting the right model and accessories to meet your specific requirements.

### SYSTEM FOOTPRINT

**DIMENSIONS L x W x H inches (mm)**

- › 55" x 35" x 70" (1397 mm x 889 mm x 1778 mm)

**WEIGHT pounds (kg)**

- › 800-1400 lbs (363-635 kg)



## TECHNICAL DATA

| Model                                     | Max Inlet Pressure |      | Capacity FGD <sup>1</sup> |                    | RPM  | Number of Stages | Motor |     | Drive   |
|---|--------------------|------|---------------------------|--------------------|------|------------------|-------|-----|---------|
|   | PSIG               | mBAR | SCFM                      | M <sup>3</sup> /HR |      |                  | HP    | KW  |         |
| <b>UP TO 3190 PSIG OPERATING PRESSURE</b> |                    |      |                           |                    |      |                  |       |     |         |
| V*CH12.0                                  | 1.5                | 100  | 5                         | 8.4                | 1250 | 3                | 7.5   | 5.5 | E1 / E3 |
| V*CH15.2                                  | 1.5                | 100  | 14.8                      | 25.2               | 1320 | 4                | 20    | 15  | E3      |
| <b>UP TO 4990 PSIG OPERATING PRESSURE</b> |                    |      |                           |                    |      |                  |       |     |         |
| V*CH15.1                                  | < 1                | 50   | 11.3                      | 19.2               | 1230 | 4                | 15    | 11  | E3      |
| V*CH18.1                                  | < 1                | 50   | 15                        | 25.2               | 1490 | 5                | 20    | 15  | E3      |

\* E = Enclosed Design , A = Open Design

<sup>1</sup> Volume flow rate according to ISO 1217. Valid for Helium. Contact BAUER for performance verification. Capacities referenced to atmospheric inlet pressure. Motor power valid for max. inlet and final pressure. Actual performance values may vary depending on site conditions.

## BAUER He-SERIES 2

Air-Cooled Compact Design for Low to Medium Flow Applications

### SYSTEM FOOTPRINT

**DIMENSIONS L x W x H inches (mm) approx.\***

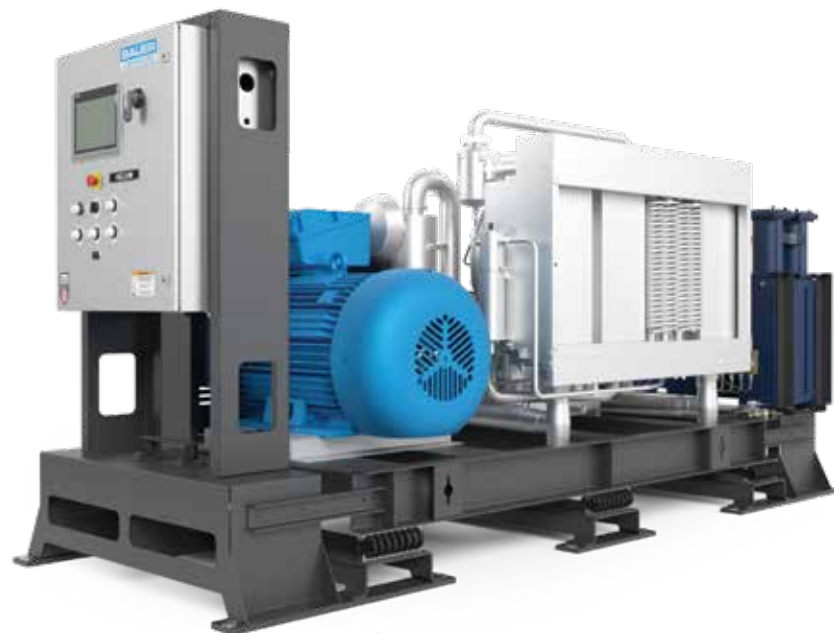
- › 97" x 58" x 85" (2464 mm x 1473 mm x 2159 mm)

**WEIGHT pounds (kg) approx.**

- › 3200-4000 lbs (1066-1814 kg)

Depending upon model and options

\*Dimensions exclude vent stack



› **GR25.9**  
Frame redesign in progress, image is only representative.

## TECHNICAL DATA

| Model                                     | Max Inlet Pressure |      | Capacity FGD <sup>1</sup> |                    | RPM  | Number of Stages | Motor |    | Drive |
|---|--------------------|------|---------------------------|--------------------|------|------------------|-------|----|-------|
|   | PSIG               | mBAR | SCFM                      | M <sup>3</sup> /HR |      |                  | HP    | KW |       |
| <b>UP TO 3190 PSIG OPERATING PRESSURE</b> |                    |      |                           |                    |      |                  |       |    |       |
| GHE25.9                                   | < 1                | 50   | 54                        | 91                 | 1180 | 5                | 60    | 45 | E3    |
| <b>UP TO 4900 PSIG OPERATING PRESSURE</b> |                    |      |                           |                    |      |                  |       |    |       |
| GHE25.9                                   | < 1                | 50   | 47                        | 79                 | 1050 | 5                | 60    | 45 | E3    |
| GHE25.18                                  | < 1                | 50   | 64                        | 108                | 1100 | 5                | 75    | 55 | E3    |

<sup>1</sup> Volume flow rate according to ISO 1217. Valid for Helium. Contact BAUER for performance verification. Capacities referenced to atmospheric inlet pressure. Motor power valid for max. inlet and final pressure. Actual performance values may vary depending on site conditions.

## BAUER He-SERIES 3

Air-Cooled Compact Design for Low to Medium Flow Applications

### ENCLOSED DESIGN SYSTEM FOOTPRINT

**DIMENSIONS L x W x H inches (mm) approx.\***

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

**WEIGHT pounds (kg) approx.**

- › 3200-4000 lbs (1066-1814 kg)

Depending upon model and options

\*Dimensions exclude vent stack



› **Enclosed Design**  
System with purpose-built outdoor cabinet enclosure

### OPEN DESIGN SYSTEM FOOTPRINT

**DIMENSIONS L x W x H inches (mm) approx.**

- › 42" x 60" x 74" (1067 mm x 1524 mm x 1905 mm)

**WEIGHT pounds (kg) approx.**

- › 2300 lbs (1043 kg)



› **Open Design**

## TECHNICAL DATA

| Model  | Max Inlet Pressure |      | Capacity FGD |                    | RPM  | Number of Stages | Motor |    | Drive |
|--|--------------------|------|--------------|--------------------|------|------------------|-------|----|-------|
|  | PSIG               | mBAR | SCFM         | M <sup>3</sup> /HR |      |                  | HP    | KW |       |
| <b>UP TO 3190 PSIG OPERATING PRESSURE (low inlet pressure)</b> |                    |      |              |                    |      |                  |       |    |       |
| GHE220   | < 1                | 50   | 26           | 44                 | 1140 | 4                | 30    | 22 | E3    |
| GHE23.1  | 1.5                | 100  | 30           | 51                 | 1280 | 4                | 40    | 30 | E3    |

<sup>1</sup> Volume flow rate according to ISO 1217. Valid for Helium. Contact BAUER for performance verification. Capacities referenced to atmospheric inlet pressure. Motor power valid for max. inlet and final pressure. Actual performance values may vary depending on site conditions.



## BAUER He-SERIES 4

Water-Cooled Designed for High-Pressure Helium Compression

### SYSTEM FOOTPRINT

**DIMENSIONS L x W x H inches (mm) approx.**

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

**WEIGHT pounds (kg) approx.**

- › 3200-4000 lbs (1066-1814 kg)

### TECHNICAL DATA

| Model   | Max Inlet Pressure |         | Capacity FGD <sup>1</sup> |                    | RPM  | Number of Stages | Motor |    | Drive |
|---|--------------------|---------|---------------------------|--------------------|------|------------------|-------|----|-------|
|   | PSIG               | BAR     | SCFM                      | M <sup>3</sup> /HR |      |                  | HP    | KW |       |
| <b>UP TO 3190 PSIG OPERATING PRESSURE</b>             |                    |         |                           |                    |      |                  |       |    |       |
| GBHE23.2  | ATM.               | ATM.    | 26                        | 44                 | 1140 | 4                | 30    | 22 | E3    |
| GBHE23.2  | ATM.               | ATM.    | 32                        | 55                 | 1420 | 4                | 40    | 30 | E3    |
| <b>UP TO 4350 PSIG OPERATING PRESSURE<sup>2</sup></b> |                    |         |                           |                    |      |                  |       |    |       |
| GBHE23.2  | 8.7 - 14.5         | 0.6 - 1 | 42 - 53                   | 72 - 90            | 1140 | 4                | 50    | 37 | E3    |
| GBHE23.2  | 8.7 - 14.5         | 0.6 - 1 | 51 - 64                   | 87 - 109           | 1420 | 4                | 60    | 45 | E3    |

<sup>1</sup> Volume flow rate according to ISO 1217. Valid for Helium. Contact BAUER for performance verification. Capacities referenced to atmospheric inlet pressure. Motor power valid for max. inlet and final pressure. Actual performance values may vary depending upon site conditions. <sup>2</sup> These models must have the mentioned inlet pressure.



### › Enclosed Design

System with purpose-built outdoor cabinet enclosure

## BAUER He-SERIES 5

Air-Cooled with Vapor Recovery System Designed for High-Flow Applications

### SYSTEM FOOTPRINT (Enclosed Design)

**DIMENSIONS L x W x H inches (mm)**

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

**WEIGHT pounds (kg) approx.**

- › 10000 lbs (4535 kg)

### TECHNICAL DATA

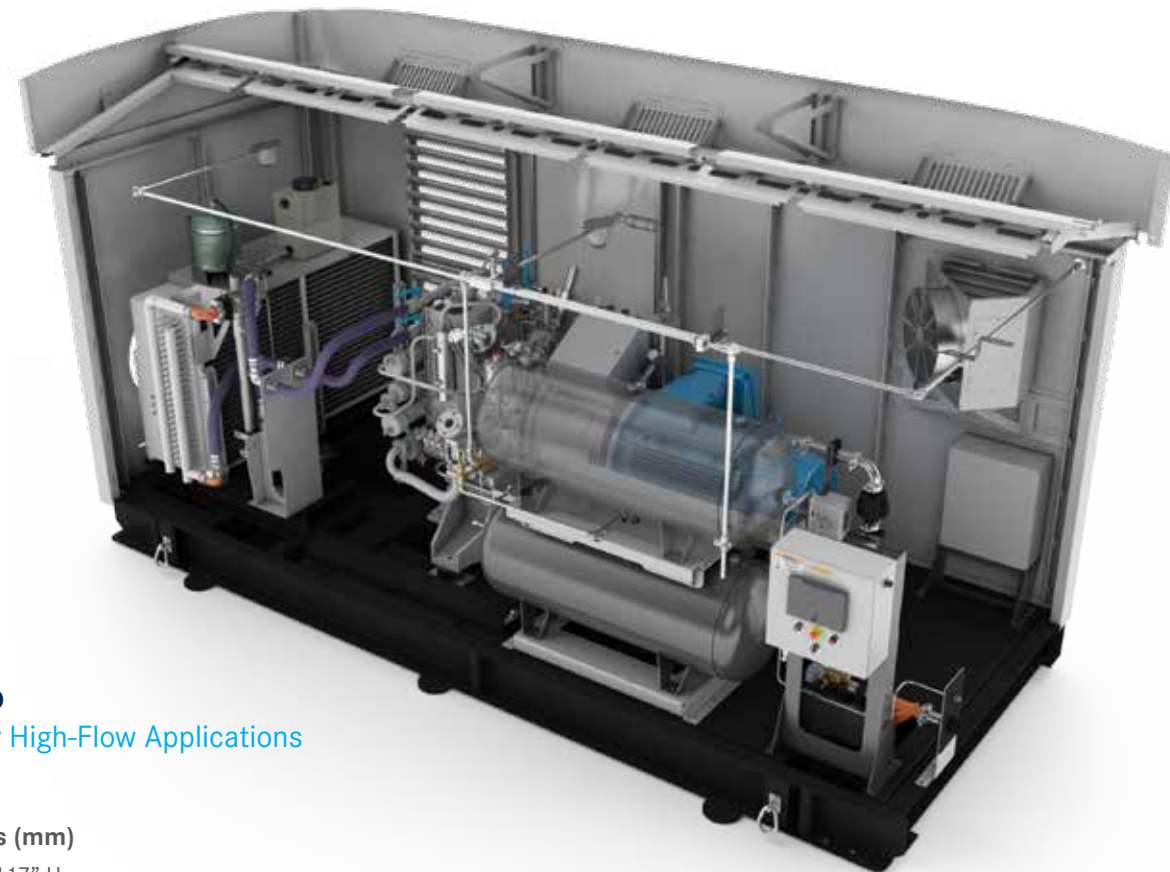
| Model   | Max Inlet Pressure <sup>2</sup> |         | Capacity FGD <sup>1</sup> |                    | RPM  | Number of Stages | Motor   |         | Drive |
|---|---------------------------------|---------|---------------------------|--------------------|------|------------------|---------|---------|-------|
|   | PSIG                            | BAR     | SCFM                      | M <sup>3</sup> /HR |      |                  | HP      | KW      |       |
| <b>UP TO 5000 PSIG OPERATING PRESSURE (ELEVATED INLET PRESSURE)<sup>2</sup></b> |                                 |         |                           |                    |      |                  |         |         |       |
| GBHE23.10   | 29 - 65                         | 2 - 4.5 | 37 - 69                   | 64 - 117           | 1140 | 4                | 50 - 60 | 37 - 45 | E3    |
| GBHE23.12   | 65 - 130                        | 4.5 - 9 | 48 - 85                   | 82 - 144           | 1140 | 4                | 50 - 60 | 37 - 45 | E3    |
| GBHE23.13   | 116 - 203                       | 8 - 14  | 59 - 99                   | 101 - 168          | 1140 | 4                | 50 - 60 | 37 - 45 | E3    |

<sup>1</sup> Volume flow rate according to ISO 1217. Valid for Helium. Contact BAUER for performance verification. Capacities referenced to atmospheric inlet pressure. Motor power valid for max. inlet and final pressure. Actual performance values may vary depending upon site conditions. <sup>2</sup> Lower inlet pressure can result in lower operating pressure. Contact BAUER for min. / max. operating pressure relative to inlet pressure.



### › Open Design\*

\*Contact us for weight, dimensions, and OD drawings



**BAUER He-SERIES 6**  
Water-Cooled Designed for High-Flow Applications

**SYSTEM FOOTPRINT**

**DIMENSIONS L x W x H inches (mm)**

- ▶ 216"-297.6 L x 87.6-99.6" W x 117" H  
(5486.4-7543.8 mm x 2225.04-2529.84 mm x 2971.8 mm)

**WEIGHT pounds (kg) approx.**

- ▶ 18000 -22700 lbs (8165 -10297 kg)

**TECHNICAL DATA**

| Model  | Max Inlet Pressure <sup>2</sup> |          | Capacity FGD <sup>1</sup> |                    | RPM  | Number of Stages | Motor     |           | Drive |
|--|---------------------------------|----------|---------------------------|--------------------|------|------------------|-----------|-----------|-------|
|  | PSIG                            | BAR      | SCFM                      | M <sup>3</sup> /HR |      |                  | HP        | KW        |       |
| <b>UP TO 5000 PSIG OPERATING PRESSURE (ELEVATED INLET PRESSURE) <sup>2</sup></b> |                                 |          |                           |                    |      |                  |           |           |       |
| GBHE26.10  | 29 - 65                         | 2 - 4.5  | 147 - 271                 | 250 - 461          | 1485 | 4                | 177 - 215 | 132 - 160 | E3    |
| GBHE26.12  | 65 - 145                        | 4.5 - 10 | 152 - 305                 | 259 - 518          | 1485 | 4                | 177 - 215 | 132 - 160 | E3    |
| GBHE26.13  | 145 - 217                       | 10 - 15  | 220 - 322                 | 374 - 547          | 1485 | 4                | 177 - 215 | 132 - 160 | E3    |
| GBHE52.10  | 29 - 65                         | 2 - 4.5  | 297 - 543                 | 504 - 922          | 1485 | 4                | 335 - 422 | 250 - 315 | E3    |
| GBHE52.12  | 65 - 145                        | 4.5 - 10 | 305 - 613                 | 518 - 1042         | 1485 | 4                | 335 - 422 | 250 - 315 | E3    |
| GBHE52.13  | 145 - 217                       | 10 - 15  | 441 - 644                 | 749 - 1094         | 1485 | 4                | 335 - 442 | 250 - 315 | E3    |

<sup>1</sup> Volume flow rate according to ISO 1217. Valid for Helium. Contact BAUER for performance verification. Capacities referenced to atmospheric inlet pressure. Motor power valid for max. inlet and final pressure. Actual performance values may vary depending upon site conditions. <sup>2</sup> Lower inlet pressure can result in lower operating pressure. Contact BAUER for min. / max. operating pressure relative to inlet pressure.



**BAUER He-SERIES 7**  
Water-Cooled Designed for High-Flow Applications

Self-contained transportable helium system configured for plug-and-play operation with easy site setup. Flexible inlet pressure range from 5 to 215 PSIG.

**SYSTEM FOOTPRINT**

**DIMENSIONS L x W x H feet (mm)**

- ▶ 40' x 8' x 9.5'  
(12192 mm x 2438 mm x 2895 mm)

**WEIGHT pounds (kg) approx.**

- ▶ 22700 lbs (10297 kg)

**TECHNICAL DATA**

| Model                   | Max Inlet Pressure |     | Capacity FGD |                    | RPM  | Number of Stages | Motor   |         | Drive |
|-------------------------|--------------------|-----|--------------|--------------------|------|------------------|---------|---------|-------|
|                         | PSIG               | BAR | SCFM         | M <sup>3</sup> /HR |      |                  | HP      | KW      |       |
| <b>UP TO 5000 PSIG</b>  |                    |     |              |                    |      |                  |         |         |       |
| GRU & GBHE23.12 (XXL)   | 15                 | 1   | 92           | 157                | 1500 | 5                | 85-100  | 64-75   | E3    |
| GRU & GBHE26.12 (XXL)   | 15                 | 1   | 305          | 520                | 1500 | 5                | 250-275 | 187-205 | E3    |
| GRU28 & GBHE52.12 (XXL) | 15                 | 1   | 612          | 1044               | 1500 | 5                | 485-535 | 362-399 | E3    |



# BAUER CONNECT®

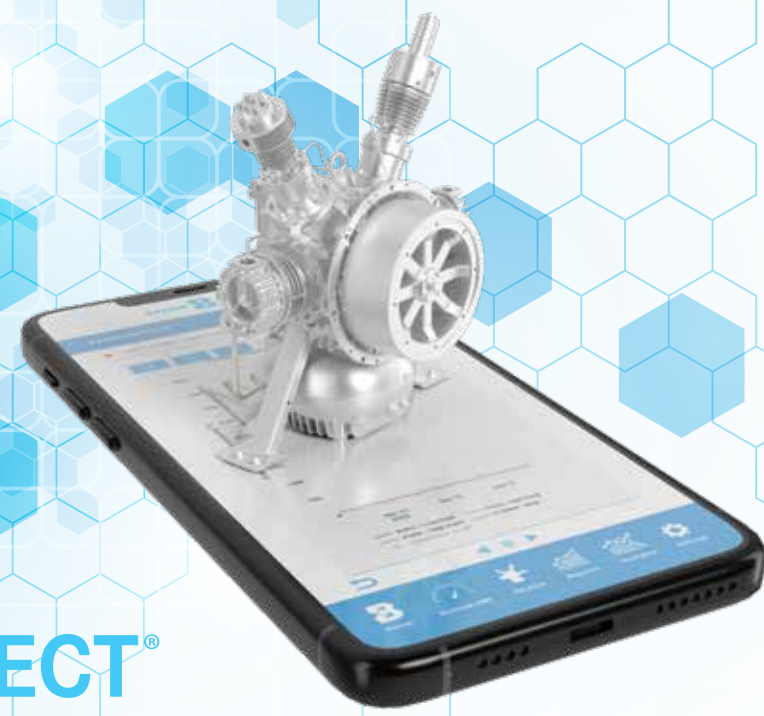
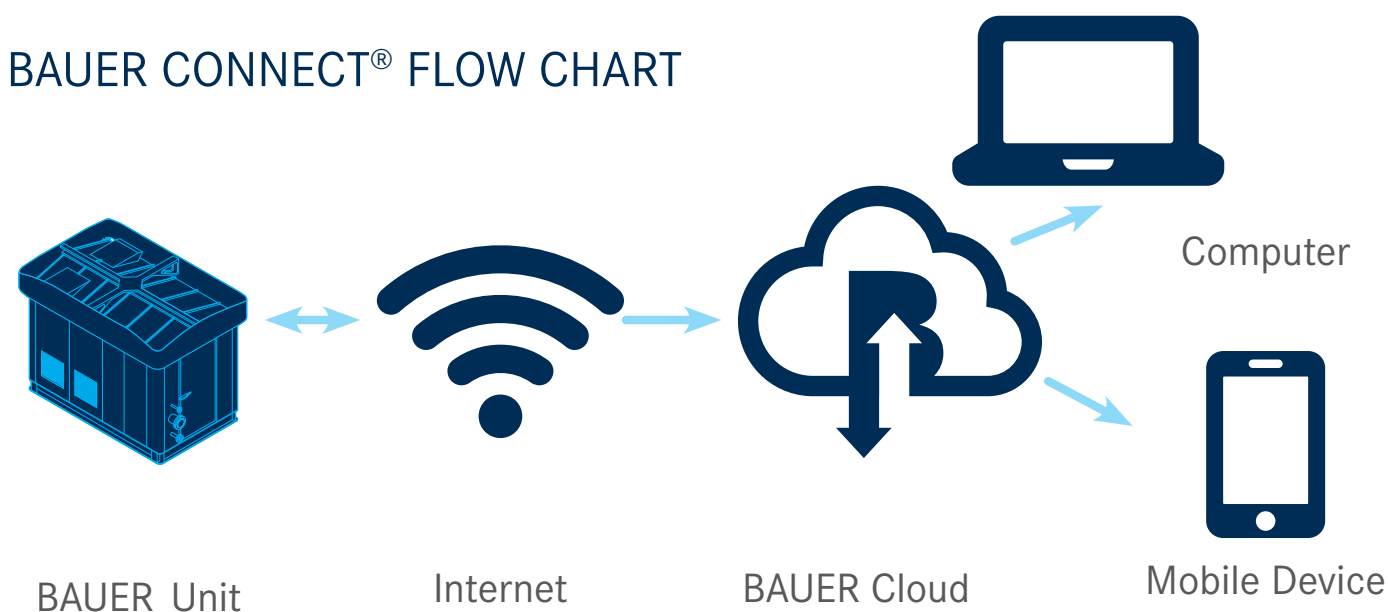
## IOT REMOTE TELEMETRY AND CONTROL

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](http://bauer-connect.com)

# LIFECYCLE PERFORMANCE

BAUER is committed to the lifecycle performance of its customers

## PARTS



### 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.

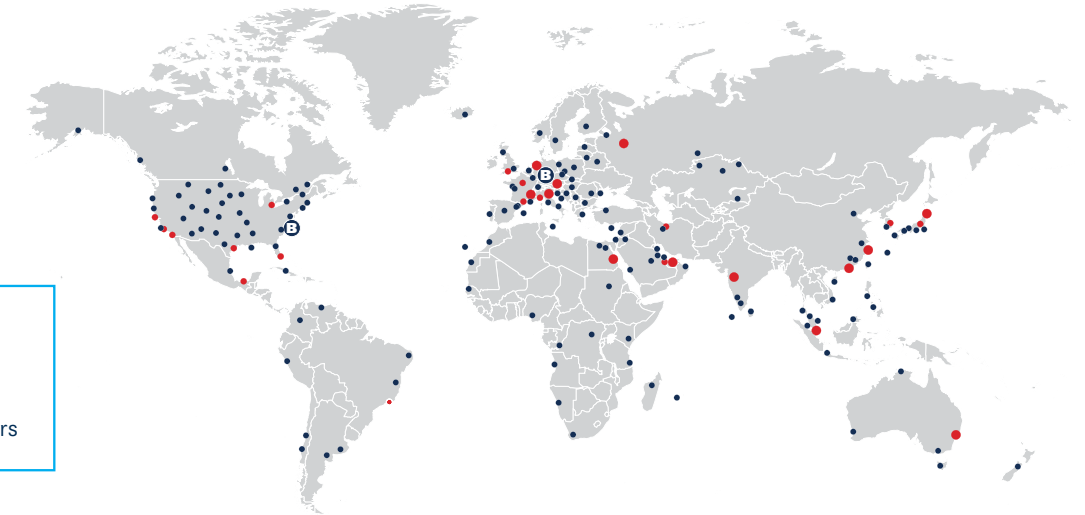
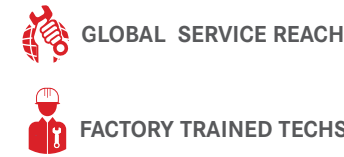
[PartsSales@BauerComp.com](mailto:PartsSales@BauerComp.com) or 1-(844)-500-5822



**7 PLUS, OVER 10,000 OEM PARTS**

- |                             |                       |
|-----------------------------|-----------------------|
| 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



- 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



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](http://www.BauerCustomerTraining.com)



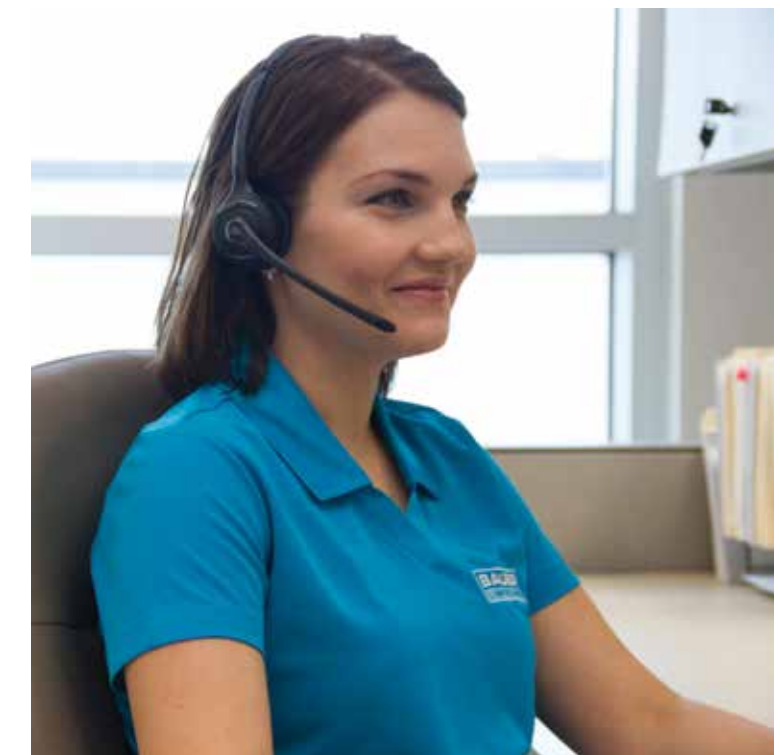
## BAUER HELPDESK

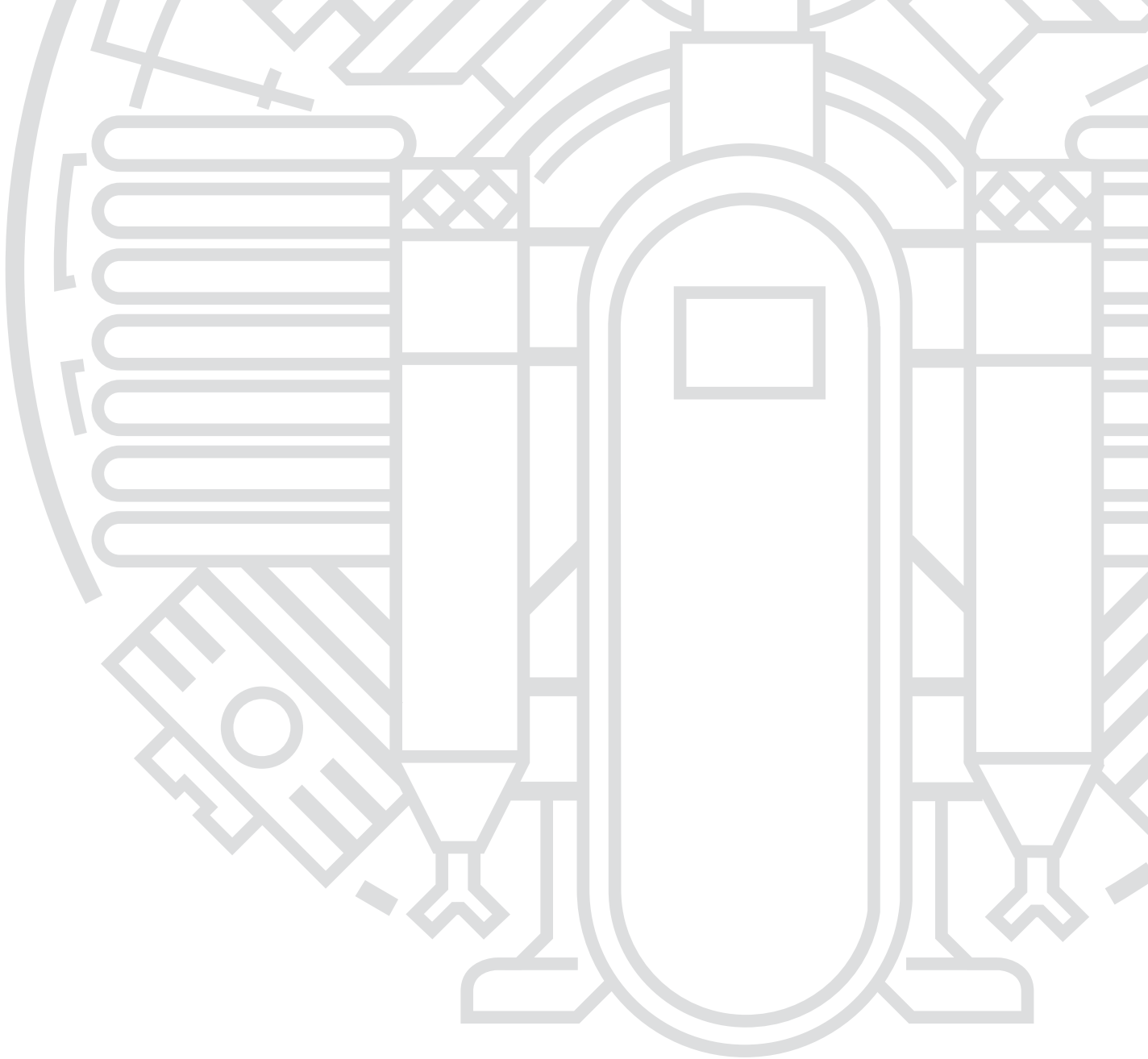


### TRAINING TOPICS

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](mailto:CustomerService@BauerComp.com)  
or call at:  
**1-(844)-500-5822**





FOR MORE INFORMATION PLEASE CONTACT:

[Helium@BauerComp.com](mailto:Helium@BauerComp.com)  
[www.BauerComp.com](http://www.BauerComp.com)



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