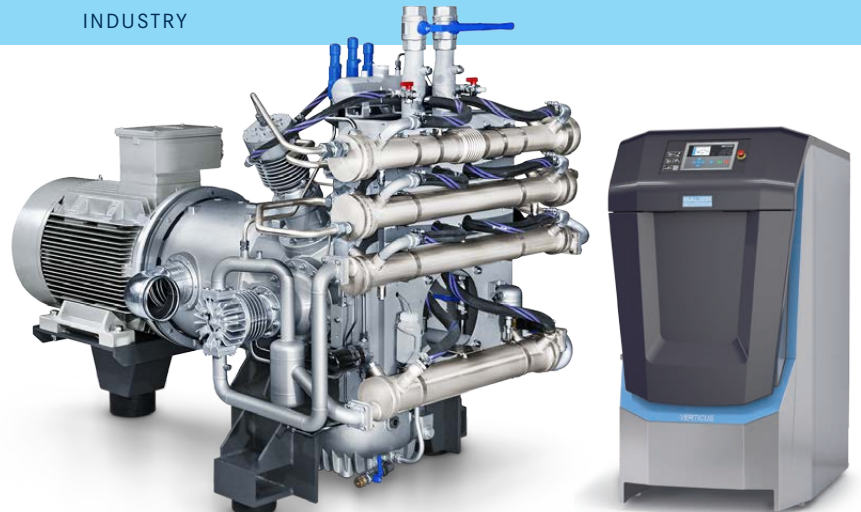


# COMPRESSORS FOR INDUSTRY

TAILORED TO YOUR REQUIREMENTS



INDUSTRY



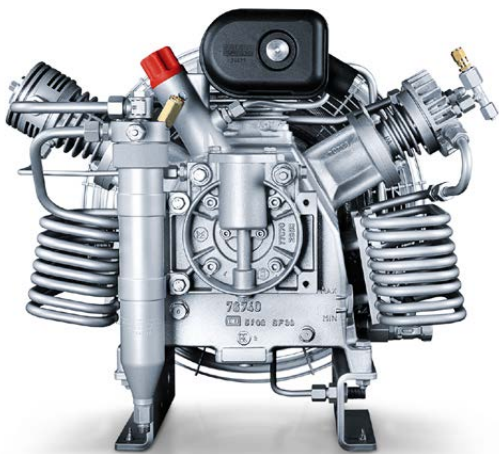
## HIGHLIGHT FEATURES

### COMPRESSOR BLOCK

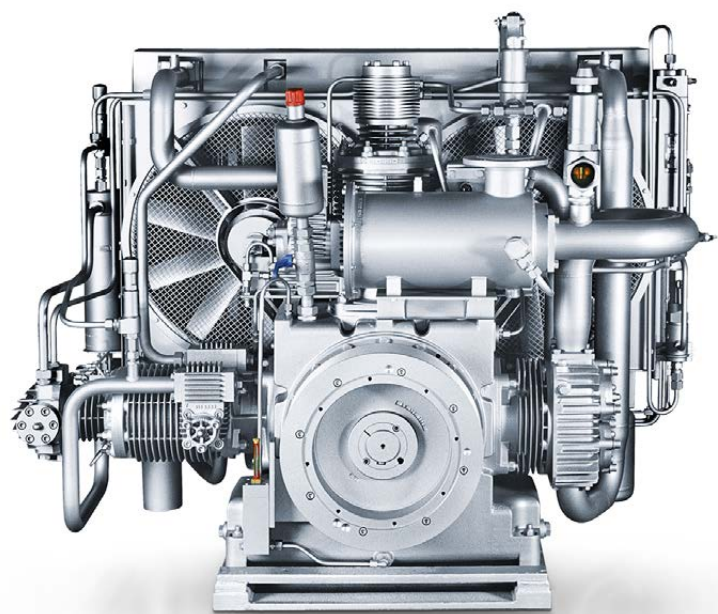
Each and every one of our compressor blocks contains decades of experience and the expertise of our Testing and Development Centre. BAUER compressor blocks have built a legendary reputation on their reliability and long service life. They are the result of advanced design, intelligent in-depth solutions, the use of exceptionally high-quality materials and outstanding production quality.

### COMPRESSOR BLOCKS FOR MINI-VERTICUS, VERTICUS AND K 22 – K 28 SERIES

- › An intelligent air-cooling system with generously dimensioned coolers combined with cylinders with heavy ribbing can be relied upon for best possible cooling of each individual compressor stage.
- › Ultra-rugged industrial roller bearings are designed for continuous operation under challenging operating conditions.
- › Powerful pressure lubrication and oil microfilter for minimum wear of moving parts.
- › Long maintenance intervals for valves and piston rings and for oil changes keep the running costs of the unit low.
- › All drive units are dynamically balanced for quiet and vibration-free running.



Compressor block K 120



Compressor block K 28

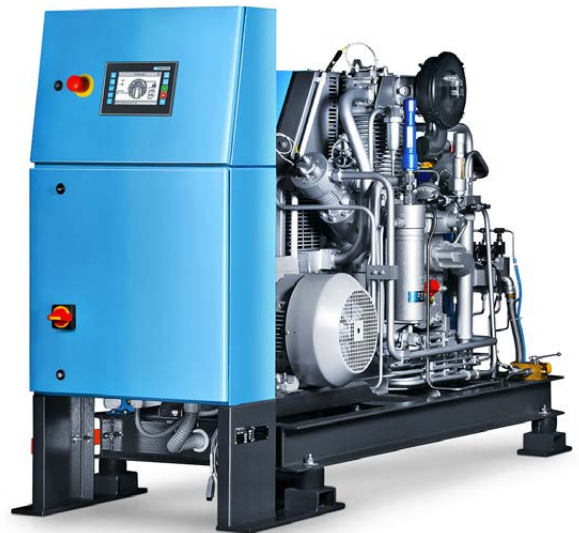
## K 22 – K 28 SERIES

### ROBUST COMPRESSORS MODELS WITH TECHNOLOGY THAT SETS NEW STANDARDS

Whether in standard compressed air applications in industry or installed in vehicles for mobile applications, the air-cooled units in the K 22 – K 28 series are reliable, durable and the solution of choice for demanding customers.

A proven and reliable system which has a history of reliable performance.

- › **11 - 110 kW**
- › **800 - 6800 l/min**
- › **30 - 500 bar**



Compressor unit I 22.0

#### FEATURES

- › **Very easy to maintain thanks to V-belt drive and proven BAUER system components**
- › **Cost-efficient: low installation costs combined with cost-effective operation**
- › **Designed for demanding operating conditions, with optimum free F.A.D. and a variety of drive power ratings**
- › **Comprehensive assurance of spare parts supply with the global BAUER Service and Support network**

#### EQUIPMENT OPTIONS

- › Super Silent housing
- › B-CONTROL II compressor control, e.g. for interconnected operation, monitoring all stages etc.
- › Intermediate pressure gauges
- › Intake device
- › Intake pressure reduction
- › Intake buffer vessel
- › External purification systems and storage cylinders

## 90 - 350 BAR

HE

| Model   | F.A.D. <sup>1</sup> |                   |      | Max. operating pressure <sup>2</sup> |      | No. of stages | Speed<br>rpm | Motor-power<br>kW | Power-consumption <sup>1</sup><br>kW | Net weight approx. |      |
|---|---------------------|-------------------|------|--------------------------------------|------|---------------|--------------|-------------------|--------------------------------------|--------------------|------|
|   | l/min               | m <sup>3</sup> /h | cfm  | bar                                  | psig |               |              |                   |                                      | kg                 | lbs  |
| <b>MIN-VERTICUS SERIES, 70 - 140 l/min, 90 - 230 bar, HELIUM</b>  |                     |                   |      |                                      |      |               |              |                   |                                      |                    |      |
| G 100-3-MV  | 70                  | 4,2               | 2,4  | 230                                  | 3350 | 3             | 900          | 3                 | 2,1                                  | 535                | 1180 |
| G 120-4-MV  | 105                 | 6,3               | 3,7  | 230                                  | 3350 | 3             | 900          | 4                 | 2,7                                  | 540                | 1190 |
| G 120-5.5-MV  | 140                 | 8,4               | 5    | 230                                  | 3350 | 3             | 1250         | 5,5               | 3,8                                  | 555                | 1220 |
| <b>VERTICUS SERIES, 240 - 420 l/min, 90 - 350 bar, HELIUM</b>     |                     |                   |      |                                      |      |               |              |                   |                                      |                    |      |
| G 15.1-7.5-V  | 240                 | 14.4              | 8.5  | 350                                  | 5100 | 4             | 880          | 7.5               | 6.3                                  | 620                | 1360 |
| G 15.1-11-V   | 320                 | 19.2              | 11.2 | 350                                  | 5100 | 4             | 1230         | 11                | 9.1                                  | 650                | 1430 |
| G 18.1-15-V   | 420                 | 25.2              | 14.7 | 350                                  | 5100 | 5             | 1490         | 15                | 13.3                                 | 670                | 1470 |
| <b>K 22 - K 25 SERIES, 580 - 1520 l/min, 90 - 230 bar, HELIUM</b> |                     |                   |      |                                      |      |               |              |                   |                                      |                    |      |
| G 22.0-18.5   | 580                 | 35                | 20   | 230                                  | 3350 | 4             | 1050         | 18.5              | 15                                   | 540                | 1190 |
| G 23.1-22   | 670                 | 40                | 24   | 230                                  | 3350 | 4             | 990          | 22                | 17                                   | 740                | 1630 |
| G 23.1-30   | 850                 | 51                | 30   | 230                                  | 3350 | 4             | 1250         | 30                | 22                                   | 790                | 1740 |
| G 25.9-45   | 1520                | 91                | 54   | 230                                  | 3350 | 5             | 1180         | 45                | 38                                   | 1780               | 3920 |
| <b>K 25 SERIES, 1320 l/min, 230 - 350 bar, HELIUM</b>             |                     |                   |      |                                      |      |               |              |                   |                                      |                    |      |
| G 25.9-45   | 1320                | 79                | 47   | 350                                  | 5100 | 5             | 1050         | 45                | 36                                   | 1780               | 3920 |

<sup>1</sup> Volume flow rate according to ISO 1217; power consumption at max. final pressure under defined framework conditions, valid for helium. Different ambient conditions will result in differing performance values.

<sup>2</sup> Maximum allowable working pressure = max. setting safety valve; final pressure (shut-down pressure) lower. Values for other noble gases are available on request.



**INTERESTED IN OUR  
PRODUCTS?**

**CONTACT US – WE ARE HAPPY TO  
PROVIDE INFORMATION AND ASSISTANCE.**

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Subject to technical change without notice