

# BOGE PO SNOW Flip the switch to ice-cold continuous operation



Save supply of compressed air  
 100% oil-free at temperatures  
 from +5°C to -25°C!



#### 100 % OIL-FREE

You enjoy the snow - meanwhile, we take care of the technicalities. We built the PO Snow with specially coated pistons and piston rings, custom-developed honed cylinder liners and hermetically sealed bearings to guarantee the production of 100% oil-free compressed air of the most environmentally friendly kind.



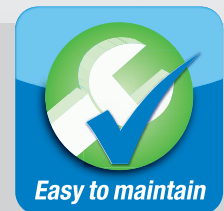
#### RESISTANT UP TO -25°C

The vertically arranged post cooling units drain any accumulated condensate, thus preventing frozen pipes; the safety valve is designed for ambient temperatures as low as -25°C. For a higher delivery volume, we set the maximum pressure at 6 bar.



#### WORKING NONSTOP

BOGE piston compressors are designed for both intermittent and continuous operation. Through innovative in-house development, the PO Snow's piston unit was enhanced, and its clearance volume decreased to achieve significantly better volumetric efficiency.



#### MODEST ON PRINCIPLE

The PO Snow's high-level components together with its compact design render it ideal for mobile snowmaking: since maintenance work is limited to the occasional filter replacement, these models can be operated at little maintenance costs and effort.

**High resilience with minimal maintenance effort** – our PO 6 L Snow and PO 8 L Snow models provide an expert solution to this apparent discrepancy. With their compact and robust design, suitable for continuous operation, they are able to meet the most stringent demands concerning the production of artificial snow. With more than 2,000 units already in use on the ski slopes, producing 100% oil-free compressed air, the BOGE PO Snow proves to be extremely efficient.

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## OPERATIVE UP TO -25°C

With piston compressors today being designed to work at ambient temperatures between 5 and 40°C, these two BOGE PO Snow models are right in their element and built for continuous operation at temperatures as low as -25°C. We equipped them with numerous measures pertaining their compact motors as well as their engine, the piping, the post cooling units and the valves. All this so you can promise “a save chance of snow” regardless of current weather conditions!

**Advantages at a glance:**

- 100 % oil-free compression
- ambient temperatures as low as -25°C
- compact and robust design
- V-shaped cylinder arrangement
- vertically arranged post cooling unit
- long service intervals

**Reduction factors**

pertaining delivered quantities at varying altitudes

| Installation altitude | Reduction factor |
|-----------------------|------------------|
| 3.500                 | 0,64             |
| 3.000                 | 0,69             |
| 2.500                 | 0,73             |
| 2.000                 | 0,78             |
| 1.500                 | 0,83             |
| 1.000                 | 0,88             |
| 500                   | 0,94             |
| 0                     | 1                |

**Exemplary calculation:**

PO 6 L Snow provides 600 liters per minute at an installation altitude of 0 m. The reduced delivery quantity at an altitude of 500 m is obtained by multiplying the altitude by 0.94 (reduction factor), resulting in 564 liters per minute.

## THE PO SNOW SERIES SUMMARISED

| BOGE model  | System voltage | Volume flow (free air delivery)* |     | Compressor speed | Number of cylinders | Motor power |     | Dimensions W x D x H |              | Weight |     |
|-------------|----------------|----------------------------------|-----|------------------|---------------------|-------------|-----|----------------------|--------------|--------|-----|
|             |                | l/min                            | cfm |                  |                     | 1/min       | kW  | HP                   | mm           | inch   | kg  |
| PO 6 L Snow | 400 / 50       | 600                              | 21  | 1430             | 2                   | 4           | 5.5 | 535 x 605 x 520      | 21 x 24 x 20 | 78     | 172 |
| PO 6 L Snow | 460 / 60       | 600                              | 21  | 1730             | 2                   | 4           | 5.5 | 535 x 605 x 520      | 21 x 24 x 20 | 78     | 172 |
| PO 8 L Snow | 400 / 50       | 800                              | 28  | 1430             | 2                   | 5,5         | 7.5 | 555 x 616 x 520      | 22 x 24 x 21 | 84     | 185 |
| PO 8 L Snow | 460 / 60       | 800                              | 28  | 1730             | 2                   | 5,5         | 7.5 | 555 x 616 x 520      | 22 x 24 x 21 | 84     | 185 |

\* Effective delivery quantity in accordance with ISO 1217: 2009, Annex C, measured at 6 bar/87 psi maximum pressure