BOGE AIR. THE AIR TO WORK.

BOGE COMPRESSED AIR SYSTEMS

BOGE DS-2 – the new refrigerant dryer generation

Outstanding efficiency meets top CO_2balance!

Even more economical with **energy-saving option** from 2,6 m³/min!

Efficiency

50/60 Hz
BI-FREQUENCY

Green Efficiency

EFFICIENT DRYING

The new DS-2 series features a high-efficiency aluminium heat exchanger, which minimises performance losses in the refrigeration circuit while requiring less refrigerant than comparable ranges. In conjunction with economical power consumption this means that no other product can compete with the low running costs.

BI-FREQUENCY DESIGN

With these models it does not matter where they are installed: Offering dual frequency as standard, this series is designed for use all over the world – whether 50 or 60 Hz is required. Maximum flexibility is also ensured thanks to the wide range of recommended ambient temperatures (5 – 50° C) and inlet temperatures (5 – 65° C).

ON A MISSION TO SAVE ENERGY

Although all DS-2 models are extremely undemanding in terms of energy consumption under partial load, the models with capacities of 2.6 m³/min and above go one better: If required, they can reduce power consumption even further by cooling the compressed air entering the system by the mass of the heat exchanger in partial load mode.

DIGITAL CONTROL

All models in the new series come with digital control, including functions that were previously subject to an extra charge in some cases. However, in everyday operation they soon pay for themselves – such as the status display, the potential-free alarm contact or the maintenance reminder.

The new DS-2 series from BOGE has now raised the bar for refrigerant dryers:
Thanks to the fully integrated design of its highly efficient heat exchanger, the DS-2 upstages all other refrigerant dryers in terms of energy efficiency – with significantly reduced refrigerant consumption. The overall operating costs are indeed unbeatable, and the CO_2 balance isn't to be sneezed either. And it's not by chance that the new DS-2 models are designed for both 50 and 60 Hz (230 V) – there is no problem about using them anywhere in the world.

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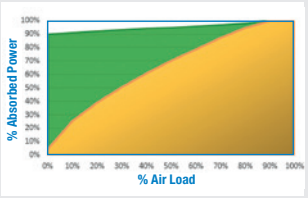
THE OPERATING PRINCIPLE

In the fully integrated high-performance aluminium heat exchanger the various parts spring into action one after the other: an air/air section, an air/refrigerant section, a high-efficiency demister condensate drain and a moisture collection container. If required, the condensate produced is discharged from the system in a final step via an electronically level-regulated condensate outlet.



Models with capacities of 2.6 m³/min or above (up to 10 m³/min) offer an energy-saving option that reduces the already low energy consumption even further under partial load.

To facilitate inspection and maintenance, the side panels can be removed, and the dryer does not have to be opened to access the condensate drain.

AN OVERVIEW OF THE NEW BOGE DS-2 REFRIGERANT DRYERS

BOGE Type	Flow capacity m³/min	Max. pressure bar	Electric power consumption* kW	Refrigerant required R 134a kg	Dimensions W x D x H (mm)	Weight kg	Compressed air connection BSPP-F acc.
DS 4-2	0.4	16	0.13	0.15	307 x 443 x 600	26	1/2"
DS 7-2	0.7	16	0.14	0.15	307 x 443 x 600	26	1/2"
DS 9-2	0.9	16	0.15	0.15	307 x 443 x 600	27	1/2"
DS 14-2	1.4	16	0.15	0.18	337 x 593 x 665	35	3/4"
DS 18-2	1.8	16	0.16	0.18	337 x 593 x 665	36	3/4"
DS 26-2	2.6	16	0.29	0.3	407 x 673 x 795	46	1"
DS 32-2	3.2	16	0.3	0.3	407 x 673 x 795	46	1"
DS 40-2	4	16	0.31	0.3	407 x 673 x 795	47	1"
DS 52-2	5.2	16	0.46	0.4	407 x 673 x 795	53	1 1/2"
DS 62-2	6.2	16	0.57	0.4	407 x 673 x 795	55	1 1/2"
DS 80-2	8	14	0.73	0.74	450 x 778 x 970	100	1 1/2"
DS 100-2	10	14	0.74	0.74	450 x 778 x 970	100	1 1/2"

* at 50 hz, an ambient temperature of 20°C, inlet temperature of 35°C, 7 bar operating pressure

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