

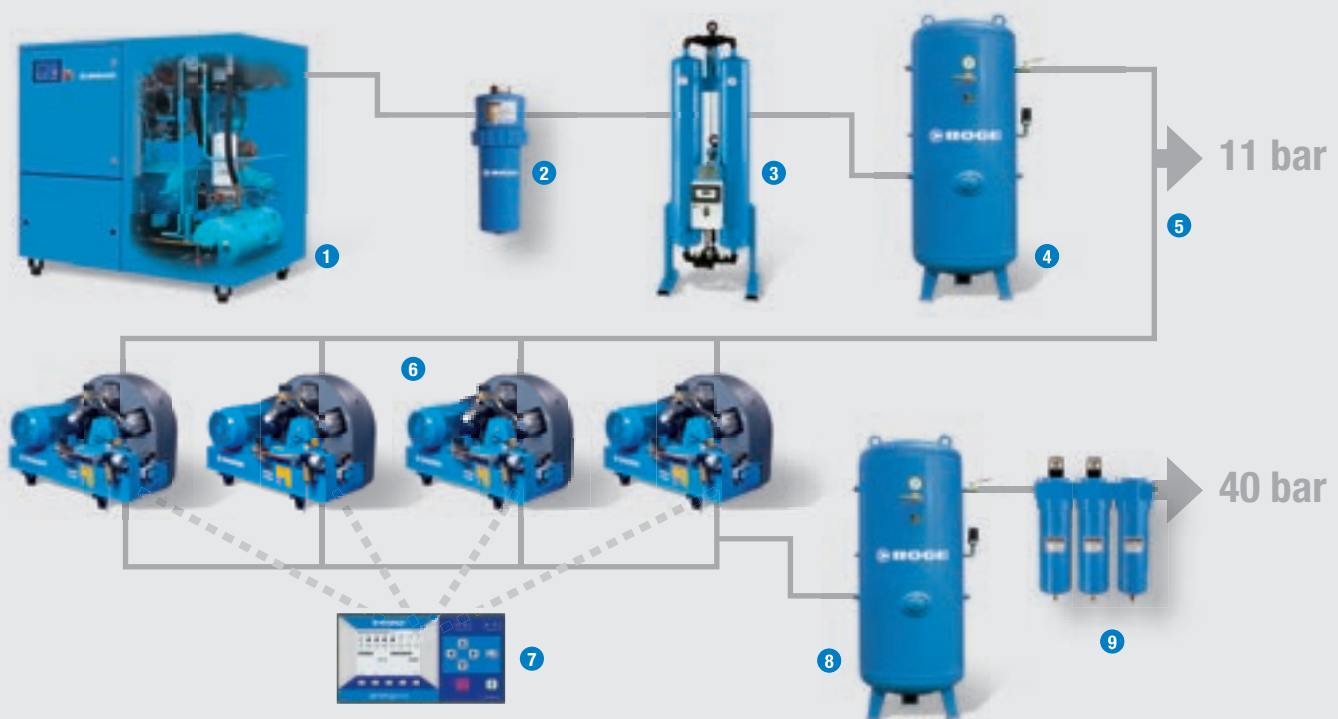
BOGE AIR. THE AIR TO WORK.



# ***FLEXPET Systems***

# Powerful and flexible for PET: **BOGE FLEXPET Systems.**

Performance range: 93 – 1076 m<sup>3</sup>/h



## FLEXIBLE DESIGN

BOGE **FLEXPET** is supplied with an aircooled screw compressor – with the required FAD to meet demand. They come with proportional control in order to virtually eliminate idling. Water cooled versions are optional.

## MAXIMUM EFFICIENCY

The BOGE **FLEXPET** allows you to generate as much compressed air as is actually needed at the pressure required to a maximum 40 bar pressure. By doing so this eliminates unnecessary pressure generation and saves energy. Several boosters are simultaneously controlled by means of an intelligent control system.

## HIGHEST QUALITY

BOGE **FLEXPET** produces technically oil free and dry blow air without any oil vapours or odours. The use of BOGE FoodLub-H1 oil guarantees the highest FDA quality compressed air.

## COMPLETE SYSTEM

Boosters, dryer, filters, receivers, and switch cabinet are mounted onto a skid. The components are fully piped and wired and the skid only requires a single power supply (Stainless steel pipework optional).

**A modular compressed air system to meet the requirements of your PET bottle application: BOGE FLEXPET has been designed for total flexibility and convenience. The individual components can be assembled on-site according to specific requirements and the prevailing site conditions. A screw compressor generates air to 11 bar which is then dried to a pressure dew point of -40°C. Boosters then make the required operating pressure up to a maximum of 40 bar. This pressure control saves energy.**

#### FLEXPET-COMPONENTS

- 1 Screw compressor for generation of 11 bar compressed air
- 2 Cyclone separator with automatic level controlled condensate drain
- 3 Adsorption dryer with synchronous compressor control including pre-filter and after-filter, optionally with dew point control, for dry compressed air (quality class 2 according to DIN ISO 8573-1; 1991)
- 4 Low pressure air receiver
- 5 Outlet of dry and technically oil free air
- 6 High pressure booster for generation to 40 bar, supplied by a screw compressor or from an existing compressed air network
- 7 airtelligence master control
- 8 High pressure air receiver
- 9 Filter station equipped with high pressure fine filter, micro filter and active charcoal filter, for dry and technically oil free blow air (quality class 1 according to DIN ISO 8573-1; 1991)



#### Model configuration according to conditions below \*\*\*

TU 30 °C  
 Height above sea level 250 m  
 Relative humidity 50 %

BOGE Model	Free air delivery at 40 bar m³/h	Screw compressor Max. pressure 11 bar		Adsorption dryer Model	Compressed air receiver 11 bar Capacity* in litres	Booster compressor Max. pressure 40 bar		Total free air delivery m³/h	Compressed air receiver 41 bar Capacity* in litres
		Model	FAD** m³/h			Model	FAD** m³/h		
BFP 100	93	S 20-2	121	DAZ 26	1000	SRHV 170-10	93	93	1000
BFP 160	159	S 40-2	222	DAZ 36	1000	SRHV 280-10	159	159	1000
BFP 240	235	S 50-2	321	DAZ 61	1000	SRHV 420-10	235	235	1000
BFP 270	269	S 60-2	354	DAZ 61	1000	SRHV 470-10	269	269	1000
BFP 320	316	S 75-2	408	DAZ 61	1000	2 x SRHV 280-10	2 x 158	316	1000
BFP 470	470	S 100-2	603	DAZ 101	1000	2 x SRHV 420-10	2 x 235	470	1000
BFP 540	539	S 125	720	DAZ 126	1000	2 x SRHV 470-10	2 x 269	539	1000
BFP 700	702	S 150	888	DAZ 161	1000	3 x SRHV 420-10	3 x 234	702	1000
BFP 810	807	S 180	1188	DAZ 201	1000	3 x SRHV 470-10	3 x 269	807	1000
BFP 940	941	S 180	1188	DAZ 201	1000	4 x SRHV 420-10	4 x 235	941	1000
BFP 1080	1076	S 220	1368	DAZ 261	1000	4 x SRHV 470-10	4 x 269	1076	1000

\* Option: 1,500 litre receiver

\*\* The specified screw compressor free air delivery for pre-pressure generation does not represent the max. possible output but the optimum output of the respective design.

\*\*\* Deviating conditions may require a different combination of the single components from a technical, energetic and economical point of view.



For four generations, customers from mechanical engineering, industry and trade have relied on BOGE know-how when it comes to planning, developing and manufacturing compressed air systems. They are fully aware of the fact that BOGE AIR is more than just ordinary compressed air: utmost safety, outstanding efficiency, excellent quality, maximised flexibility along with dependable service are the ingredients to transform BOGE AIR into air to work with – in Germany, in Europe and in more than 80 countries around the world.

**Our ranges of services include the following:**

- Energy efficient systems development
- Plant design and engineering
- System control and visualisation
- Oil-free piston, screw and turbo compressors
- Oil injected screw compressors  
and oil lubricated piston compressors
- Compressed air treatment
- Compressed air distribution and storage
- Compressed air accessories
- Compressed air service

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