

The new benefit package for the PET industry: **BOGE FLEXPET BFPO.**

Delivery quantity: 2,3 to 9,3 m³/min (40 bar)

Pressure range: oil-free compressed air in 10 and 40 bar

Driving power: 59 to 119kW



Completely oil-free system:
For sensitive application areas!



OIL-FREE COMPRESSED AIR

The BOGE **FLEXPET BFPO** generates technically oil-free compressed air – completely safely to manufacture PET bottles. As no oil enters into the process from the beginning onwards, oil does not need to be expensively filtered out.



PERFECT PERFORMANCE

The combination of air-cooled, oil-free screw compressors with downstream, oil-free BOGE BOOSTERS enable the compression to be reduced to 10 bar as well as to 40 bar – all in a turnkey system! All components are optimally matched.



HIGH EFFICIENCY

BOGE IE3 motors from the highest efficiency class power the system. The separate cabinet regulates the efficient operation. Elaborate preparation is no longer necessary, as well as connected pressure losses. The compact design also increases the efficiency.



COMPACT SYSTEM

The BOGE **FLEXPET BFPO** is a very compact solution and is therefore ideal for medium-sized companies in the beverage industry. Perfectly matched components ensure optimal operation and therefore the high service life of all system components.

Tailored to the PET industry: The BOGE FLEXPET BFPO is a compact, turnkey solution for the production of PET bottles. All components are perfectly matched to each other and generate technically oil-free compressed air. A screw compressor BLUEKAT with four downstream oil-free BOGE BOOSTERS allow the compression to 10 bar as well as to 40 bar – to the smallest area as well as a container solution!

**BOGE Compressed Air Systems
GmbH & Co. KG**

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THE BOGE FLEXPET BFPO COMPONENTS, WITH THE BFPO 460 AS AN EXAMPLE:

- 1 SF 60-3 BLUEKAT
- 2 Cyclone separator & pre filter (F 65 P)
- 3 Refrigerant compressed air dryer (DS 120)
- 4 Micro filter (F 65 M)
- 5 Low pressure receiver (11 bar, 1000 l, galvanised)
- 6 2x K 15 BOOSTER
- 7 High pressure receiver (41 bar, 500 l, galvanised)
- 8 Tube-in-shell heat exchanger (BSP)
- 9 High pressure dryer (DH 65)
- 10 High pressure micro filter (FP 125-50)

BOGE FLEXPET SYSTEM AT A GLANCE

BOGE type	Screw compressor pressure 10 bar	Compressed air receiver 11 bar	Piston compressor pressure 40 bar	Compressed air receiver 41 bar	High pressure dryer	Volume flow 10 bar	Volume flow 40 bar	Total volume flow
	type	capacity litre	type	capacity litre		m³/h	m³/h	m³/h
BFPO 460	S 50-3 BLUEKAT	1000	2 x K 15 BOOSTER	500	DH 65	58,2	278,4	336,6
BFPO 460	SF 60-3 BLUEKAT	1000	2 x K 15 BOOSTER	500	DH 65	113,4	278,4	85,8 - 391,8
BFPO 560	2 x S 50-3 BLUEKAT	1000	4 x K 15 BOOSTER	1000	DH 120	116,4	556,8	673,2
BFPO 560	SO 101 FA	1000	4 x K 15 BOOSTER	1000	DH 120	70,8	556,8	244,2–627,6