

TECH-NEWS



C1

THE NEW BLOCKS FOR

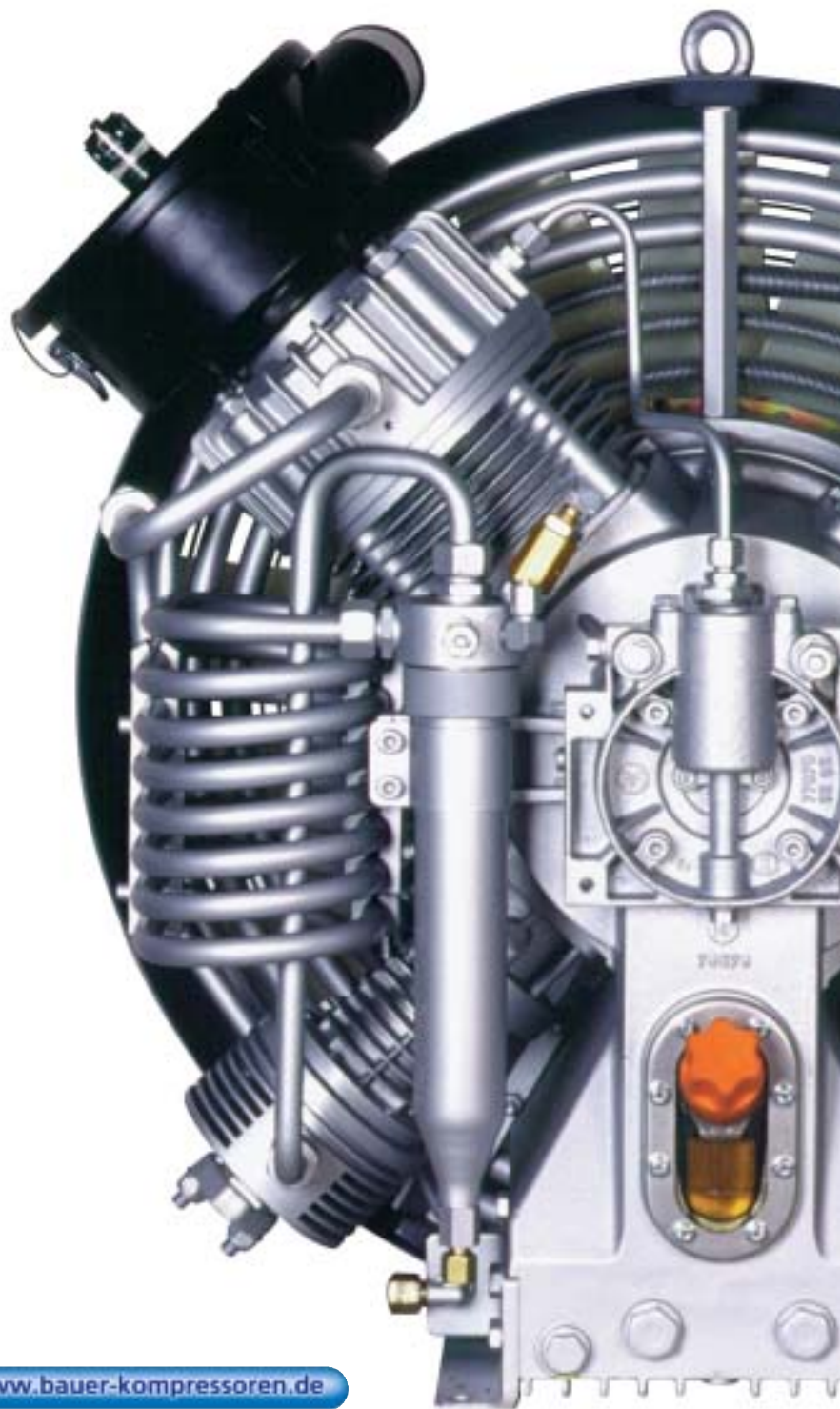
THE VERTICUS RANGE

Even more reliable. An even greater performance. A complete product range. These were the guidelines realized through the development of the new block range.

All blocks were new designs from the start. Apart from technical improvements the **weight** could be **reduced** on average **by 10%**. At the same time, however, the **F.A.D.** was **increased by 8%**.

New block types like IK15.11 for 420 and 500 bar up to 460 lit. and the CNG blocks IK15.2 II-C and BK15.4 II-C **expand the BAUER product range** by some interesting models, especially pricewise.

A **change of generation without any problems**: all essential assembly dimensions and interfaces of the old block range remain the same. So the **exchange** of old against new block **requires only little time**.



TECHNICAL DETAILS, WHICH MAKE THE DIFFERENCE

1 The new intake filter's

intake sound was **considerably reduced**. And the new, **fully recyclable filter insert** made of paper is an **advantage for the environment**.

2 The newly developed valve heads

of the first stage reach **8% more capacity** due to the temperature- and flow optimized construction.

New laminar valves of low-maintenance - technically state-of-the-art - guarantee **little noise**.

3 The new intermediate coolers

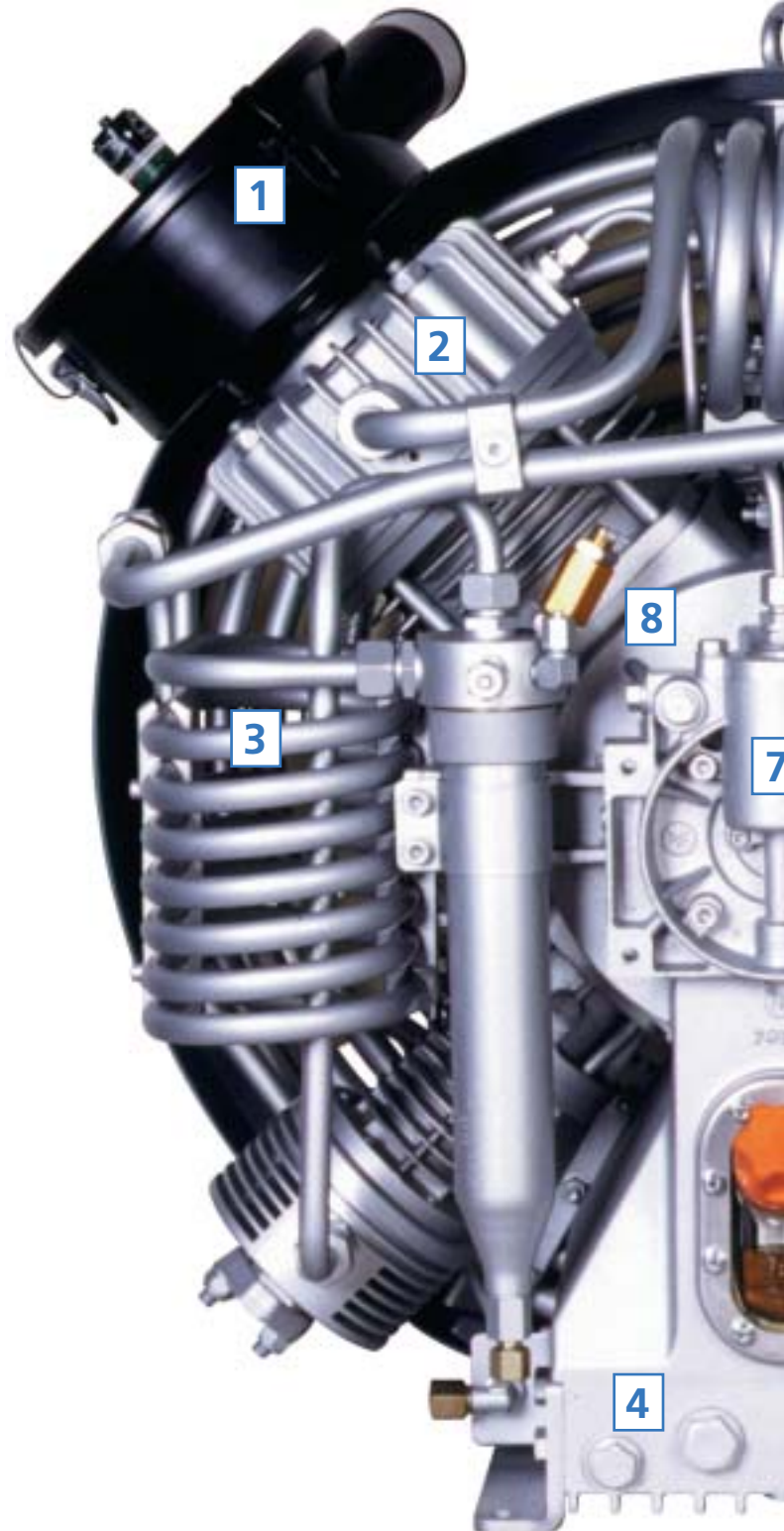
made of **stainless steel**, last for years even under the most violent and unfavourable environmental conditions. Besides the **extraordinary corrosion resistance**, the stainless steel coolers also provide **thermal constancy**.

4 The new one-piece crank case

with its solid compressor feet has an oil sump, which takes **60% more oil**. Therefore the **MAX/MIN-range** is **increased five times**, resulting in a **comfortable safety buffer**, allowing an **inclination of up to 20°**.

5 The new cooling fan

offers high performance and more **silent running** at the same time.





6

The new high pressure final stage

is fitted with **piston rings** made of a newly developed **high tech synthetic material**, which has proven its **superb anti-abrasive properties** in long-term tests. Due to this new technology, the **oil consumption** has been **reduced** again, and smooth running and lifetime increased at the same time.

7

The new low pressure lubricating system

features a **low speed gear pump coupled directly** to the crankshaft. The lube-oil is cleaned by an **easily exchangeable micro filter**. This too considerably **increases** the **lifetime** of moving parts in the compressor.

8

The new heavy duty driving gears

are **suitable for continuous operation**. Long lasting, **indestructible industrial roller bearings** providing minimum friction, hardened cylinders and the new lubricating system make these compressors **highly economical**.

9

The new oil filler neck

at the front of the crank case, and oil sight-glass, allows **simple** and **safe filling** and **control** of the oil level **at a glance**. No overfilling is possible.

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TECHNICAL DATA



IK150 II - Air-Block



IK15.2 II-C - Gas-Block



IK15.3 II - Booster-Block

model-designation	F.A.D		number of compr. stages	intake pressure		max. working pressure		
	l/min	cfm		bar _ü	psig	bar	psig	
Breathing Air / Industrial Air								
IK 150 II	375 - 540	13,3 - 19,1	4	0	0	350	5000	
IK 15.1 II	290 - 430	10,2 - 15,2	4	0	0	350	5000	
IK 15.11 II	290 - 440	10,2 - 15,5	4	0	0	500	7000	
IK 180 II	415 - 645	14,7 - 22,8	4	0	0	350	5000	
IK 18.1 II	375 - 560	13,3 - 19,8	5	0	0	500	7000	
CNG m3/h								
IK 15.1 II - C	22 - 33	12,7 - 19	4	0 - 0,3	0 - 5	350	5000	
IK 15.2 II - C	22 - 42	12,7 - 24,2	4	0 - 0,3	0 - 5	350	5000	
BK 15.4 II - C	18,5 - 47,5	10,7 - 27,4	3+1	2 - 4	30 - 60	350	5000	
Nitrogen m3/h								
IK 150 II - GI	22 - 35	12,7 - 20,2	4	0 - 0,1	0 - 1,5	350	5000	
IK 15.1 II - GI	17,2 - 28,4	9,9 - 16,4	4	0 - 0,1	0 - 1,5	350	5000	
IK 15.11 II - GI	17,2 - 28,5	9,9 - 16,5	4	0 - 0,1	0 - 1,5	500	7000	
IK 180 II - GI	25 - 42,6	14,4 - 24,6	4	0 - 0,1	0 - 1,5	350	5000	
IK 18.1 II - GI	22 - 37	12,7 - 21,3	5	0 - 0,1	0 - 1,5	500	7000	
BK 15.3 II	24 - 46,5	13,8 - 26,8	2x2	7- 10	102 - 145	350	5000	
Rare Gases m3/h								
IK 15.1 II - G	He	16,3 - 27,9	9,4 - 16,1	4	0 - 0,1	0 - 1,5	350	5000
	Ar	17,8 - 30,5	10,3 - 17,6					
IK 18.1 II - G	He	21,3 - 35,2	13,3 - 20,3	5	0 - 0,1	0 - 1,5	350	5000
	Ar	23,3 - 38,5	13,4 - 22,2					



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