



Born To Dive



Quality. Our DNA

# INDIGO Edition

BAUER KOMPRESSOREN

By  
Planet Scuba India



IE 100



IE 250

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## IE 100

Legendary performance at affordable cost!

- › 100 l/min
- › 225/330 bar
- › Tough
- › Reliable
- › Technology Leader



### IE 100 - State of the art portable compressors

IE 100 is best poised to meet the customer needs due to its legendary reliability under the toughest Indian-conditions combined with low weight and an excellent price-quality ratio.

Uncompromising quality down to the last detail has made us the global market leader for breathing air compressor units. With IE 100 we ensure the air quality as per the latest international standards, so that you can be rest assured of safe air every time you put your SCUBA / SCBA sets.



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The IE 100 combines several unique values for you - cost and operational effectiveness, safety and best in class air quality output.

## ROBUST



Legendary Junior Compressor Block

- › Legendary Junior compressor block using tempered cylinders
- › For High pressure stages, piston rings made of newly developed Advance technology synthetic material offer outstanding wear values
- › Breathing Air Quality as per EN-12021
- › Pressure maintaining valve downstream of the purification system increases the efficiency of compressor system
- › Compressor Oil Change Frequency at 2000 working hours OR 2 years whichever is earlier
- › Dynamically balanced, 3 Cylinder, 3-stage Compressor Block
- › Cylinders are plasma nitrided and plateau honed (double honing process) which increase the life by 300%.
- › Oil & Water Separator provided with manual drain reduces the load of moisture on the filtration system leading to longer filter life



Filling valve with vent and pressure gauge



Safety Relief Valve

## SAFE

- › For best possible resistance to corrosion, safety-filling device are made of stainless steel
- › Fan, pulley and belt protection is as per EN12100 made of special plastic which improves cooling air flow for increased compressor efficiency
- › Safety Relief Valve per stage enhances safety for the machine and the operator
- › Thermoplastic filling Hose with kink protection prevents cutting of hose at edges

## SERVICE

- › Strong team of service engineers and wide local network present across the country
- › 20 years spare part supply guaranteed from the date of procurement



Purification Systems & Kink Protection

## TECHNICAL DATA

Type	Drive	FAD	Drive		Filter system TRIPLEX	Dimensions (app. cm)*			Weight (Net)* (kg)
			I/min	kW		HP	L	W	
max. 330 bar									
IE 100-TB	4-stroke-petrol	100	4.0	5.7	P21	85	38	42	50
IE 100-TE	3-phase	100	2.2	3.0	P21	70	45	42	50
IE 100-TW	single phase	100	2.2	3.0	P21	70	45	42	50

SCOPE OF SUPPLY	IE 100
225/330 bar version alternatively	●
Switch over device 225/330 bar	○
Filling devices	1
Purification system TRIPLEX P 21	●

● standard scope of supply | ○ optional

\* Tolerance ± 5%



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## IE 200 / IE 250 / IE 300

### Continuous Duty, Attractive Price

- › 200 / 250 / 300 l/min
- › 225/330 bar
- › COMPACT
- › OPERATOR FRIENDLY
- › RELIABLE
- › TOUGH

### P-PURIFICATION

- › A filter technology perfected over a decade delivers breathing air according to EN 12021.
- › Our genuine cartridges safely remove humidity, oil and pollutants from the compressed air.

### CONTINUOUS DUTY

- › The continuous duty operations is an distinctive feature in the IE 200, IE 250 and IE 300. The system allows easy and safe operation with faster turnaround for the breathing air cylinders. This edition of compressors comes with two filling valves to allow quicker & convenient filling.



Indigo Edition stands for an excellent price / performance ratio with the same benchmark quality. The Indigo Edition range has been developed keeping in mind the unique and specific needs of the customers in India in terms of applications and operations.

The range is based on the proven core components from BAUER with a range of innovative features to provide greater value to customers in India.



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The IE 200 / IE 250 / IE 300 combines several unique values for you - cost and operational effectiveness, safety and best in class air quality.

## ROBUST COMPRESSOR BLOCK



- › The driving gear is suitable for short running as well as continuous operation. The 3 stage construction and the heavy duty industrial roller bearings ensure maximum lifetime for all professional applications.
- › Cylinders are plasma nitrided and plateau honed (double honing process) which increase the life by 300%
- › Safety Relief Valve per stage enhances safety for the machine & the operator
- › Oil & Water Separator provided with manual drain reduces the load of moisture on the filtration system leading to longer filter life
- › Compressor Oil Change Frequency at 2000 working hours OR 2 years whichever is earlier
- › For High pressure stages, piston rings made of advanced technology synthetic material offer outstanding wear values
- › Oil cooling in the final compression stage for a longer life and minimal wear and tear
- › Interstage and afterstage coolers made of stainless steel to protect against corrosion
- › Robust low pressure oil pump with oil filters for effective lubrication and extended oil change intervals.

## OPTIONAL ACCESSORIES PROGRAM

- › **B-Timer:** This minicomputer indicates filter saturation, maintenance intervals and operating hours.
- › **Dual Pressure filling:** With switch over device you can fill 225 or 330 bar
- › **Automatic Condensate Drain:** With ACD system, accumulated condensate in separators drains automatically
- › **Long Life Filter Systems:** P31 & P42 purification systems offers longer intervals for filter change
- › **Securus control:** Controls compressor operation based on filter saturation
- › **Many more like pressure gauges & temperature control etc..**



## TECHNICAL DATA

Type	Drive	Charging rate	R.P.M.	Filling rate	Drive		Filter system
					kW	HP	
max. 330 bar		l/min <sup>2</sup>	min <sup>-1</sup>	min <sup>2</sup>			TRIPLEX
IE 200	3 phase, 415V, 50Hp	200	1250	1.0	4.0	5.5	P21/P31/P42
IE 250		250	1450	0.8	5.5	7.5	P21/P31/P42
IE 300		300	1800	0.7	7.5	10.0	P21/P31/P42

\* Tolerance ± 5%

STANDARD SCOPE OF SUPPLY
225 or 330 bar version alternatively
Filling devices – 02 Nos
Purification system TRIPLEX 21
Manual condensate drain system



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# BAUER FILTER CARTRIDGES

OUTSTANDING PURIFICATION OF BREATHING AIR,  
INDUSTRIAL AIR AND GASES



- › Removal of water vapour  $H_2O$  using molecular filter sieve
- › Removal of oil vapour and odours  $C_xH_y$  with activated carbon
- › Safe conversion of carbon monoxide  $CO$  into non-toxic carbon dioxide  $CO_2$

BREATHING AIR

INDUSTRY

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