

Dräger KAP 5

The stationary Dräger KAP 5 high pressure breathing air compressor is ideally suited to professional operations in which higher output rates are required and the noise level is a secondary concern.



MODULAR DESIGN

Just 760 mm wide, the compressor takes up minimum space thanks to its vertical design. The modular principle allows users to extend the system to meet their individual needs. For instance, a noise-proof hood can be fitted at any time to the basic KAP 5 model to create a “super-silent station”.

There are five versions of the Dräger KAP 5 available, offering air output rates of 260 to 680 l/min.

The sturdy compressor stations of the Dräger KAP 5 product family guarantee reliable and long-term use at low costs of ownership – ideal for fire brigades requiring high performance systems.

COMPRESSOR BLOCK: INTELLIGENT DESIGN AND INNOVATIVE TECHNOLOGIES

Fitted with virtually indestructible industrial roller bearings, the compressors of the Dräger KAP 5 product family can easily run for 30,000 hours and more. Featuring optimized cooling systems, compressor blocks with heavy duty engines allow

continuous operation even under the toughest climatic conditions. The sophisticated routing of cooling air through the housing ensures effective heat dissipation. The fan with its state-of-the-art wing-shaped form generates more pressure for an even greater cooling effect.

Innovative materials such as hardened cylinders with special plateau honing and piston rings made of high-tech plastic in the output stage boast outstanding wear characteristics and minimize oil consumption. The new low pressure lubrication with superfine oil filter gives all moving parts an even longer service life. Intercoolers and after coolers come as standard in stainless steel, thus offering reliable protection against corrosion. The Dräger KAP 5 is fully equipped with a micronic suction filter, compressed oil lubrication, intercoolers, after coolers, an intermediate filter and intermediate pressure safety valves.

The compressor control unit with automatic condensation facility carries out automatic drainage of the intermediate and final filters during operation and also when the compressor is switched on and off.



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PATENTED FILTER SYSTEM FOR ULTRA-PURE BREATHING AIR

The P61 / P81 filter system with its particularly long filter retention time ensures cost-effective operation and guarantees a reliable supply of ultra-pure breathing air conforming to the stringent breathing air standard DIN EN 12021.

The SECURUS filter monitoring facility incorporated into the control panel continuously monitors the saturation level of the filter cartridges and automatically shuts down the system if the filters are saturated.

SIMPLE OPERATION AND MAXIMUM EASE OF MAINTENANCE

System components like the automatic condensation and filter monitoring facilities make operation more straightforward while at the same time ensuring high quality breathing air at all times.

The B-Control is an SPS control device which allows the system to be programmed to meet individual customer requirements. Maximum user comfort and convenience is achieved by the large LCD display, the membrane keyboard and the emergency OFF switch. All vital information, like the current operating status, compressor configuration and maintenance information etc., can be easily accessed via the display.

All components needed to monitor and control the compressor, like the pressure and temperature sensors, SECURUS filter monitoring unit etc., are integrated within the system.

To make it easier to carry out any maintenance work which may be necessary, the compressor block, air filters and oil inlet nozzles are freely accessible. The condensation container, incorporated into

the front panel, makes it easy for the user to check condensation levels and quickly drain as necessary.

A PN 200 or PN 300 bar filling mechanism, either with four filling tubes or direct filling valves, ensures an effective filling process. The filling mechanism is situated at a height which is easy to reach, reducing strain on the user's back. The Dräger KAP 5 is equipped as standard with German R5/8 flange connections conforming to DIN 477.

CERTIFIED QUALITY

Dräger quality management according to DIN EN ISO 9001 and the TÜV/GS test symbol guarantee that the system will be a sound investment.



TECHNICAL DATA

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Model	F.A.D. l/min	Rotation speed rpm	Engine kW	Filter system	Net weight kg (approx.)	Dimensions (L x W x H) cm
Dräger KAP 260	260	1.185	5.5	P61	305	114 x 83 x 152
Dräger KAP 320	320	1.470	7.5	P61	310	114 x 83 x 152
Dräger KAP 500	540	1.230	11.0	P61	350	114 x 83 x 152
Dräger KAP 600	680	1.400	15.0	P61	365	114 x 83 x 152

ORDER INFORMATION

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KAP 260 – PN 225 bar	65 26 620
KAP 260 – PN 330 bar	65 26 621
KAP 260 – PN 225/330 bar	65 26 622
KAP 260 – PN 330 bar without filling mechanism	65 26 623
KAP 260 – 420 / PN 420 bar without filling mechanism	65 26 616
KAP 320 – PN 225 bar	65 26 624
KAP 320 – PN 330 bar	65 26 625
KAP 320 – PN 225/330 bar	65 26 626
KAP 320 – PN 330 bar without filling mechanism	65 26 627
KAP 320 – 420 / PN 420 bar without filling mechanism	65 26 618
KAP 500 – PN 225 bar	65 26 628
KAP 500 – PN 330 bar	65 26 629
KAP 500 – PN 225/330 bar	65 26 630
KAP 500 – PN 330 bar without filling mechanism	65 26 631
KAP 500 – 420 / PN 420 bar without filling mechanism	65 26 636
KAP 600 – PN 225 bar	65 26 632
KAP 600 – PN 330 bar	65 26 633
KAP 600 – PN 225/330 bar	65 26 634
KAP 600 – PN 330 bar without filling mechanism	65 26 635
KAP 600 – 420 / PN 420 bar without filling mechanism	65 26 638

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