

AIRPRESS oils

Special oil for industrial installations and airless systems



Benefits for your application

- **Multi-purpose oils with good lubricating capacity and corrosion protection**
- **Reduces foam formation**
- **Good air shedding capacity**
- **Relatively high water absorption capacity**
- **Prevents icing**
- **Easy application**

Description

AIRPRESS oils are multifunctional fluids based on mineral oil and ester oil. They offer good lubricating capacity and corrosion protection. AIRPRESS oils have a foam-reducing effect and accelerate air release. They disperse up to 5 % of condensed water without causing corrosion and prevent icing.

Application

AIRPRESS oils can be used for pneumatic systems, e.g. compressed air appliances, air systems in weaving machines, air tubes and for extending the service life of friction points like cylinders, valves and tappets. These oils are also suitable for the lubrication of spiral cutters removing lint from textiles and for chains or guides. AIRPRESS oils can be used for applications subject to high air humidity and or weak vapours of alkaline and acid solutions.

AIRPRESS 15, 32 and 68 have proven effective in gears subject to minor loads and oil-lubricated bearings, e.g. in knitting machines or oil circulation systems, e.g. spherical roller bearings, and for hydraulic systems and components of airless systems.

Application notes

AIRPRESS oils are suitable for immersion, immersion circulation and injection lubrication. The oils can also be applied by drip-feed

systems, brush, oil feeder or automatic systems, e.g. oil mist lubrication systems (please observe maximum viscosity specified by the manufacturer). The friction points should be free of any contamination.

Compatibility with materials

AIRPRESS oils are neutral towards all materials commonly used in machine construction, paints and seals made of e.g. NBR. Prior to series application we recommend checking compatibility of AIRPRESS with the materials in contact.

Minimum shelf life

The minimum shelf life is approx. 36 months if the product is stored in its unopened original container in a dry, frost-free place.

Material safety data sheets

Material safety data sheets can be downloaded or requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	AIRPRESS 15	AIRPRESS 32	AIRPRESS 68
Canister 20 l	-	-	+
Drum 200 l	+	+	+



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Product data	AIRPRESS 15	AIRPRESS 32	AIRPRESS 68
Article number	035005	035001	035002
Upper service temperature	100 °C / 212 °F	100 °C / 212 °F	100 °C / 212 °F
Lower service temperature	-30 °C / -22 °F	-15 °C / 5 °F	-10 °C / 14 °F
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 16 mm ² /s	approx. 32 mm ² /s	approx. 66 mm ² /s
Density, DIN 51757, 20 °C	approx. 0.88 g/cm ³	approx. 0.87 g/cm ³	approx. 0.88 g/cm ³
Chemical composition, type of oil	ester oil	ester oil	ester oil
Chemical composition, type of oil	mineral oil	mineral oil	mineral oil
Appearance	clear	clear	clear
Colour space	yellow	yellow	yellow

Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 80 years.

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The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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