

# AIRPRESS 15, 32, 68

Special oil for industrial installations and airless systems



## Your benefits at a glance

- 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

## Your requirements - our solution

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.

## Materials compatibility

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.

## Material safety data sheets

Material safety data sheets can be requested via our website [www.klueber.com](http://www.klueber.com). You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	AIRPRESS 15	AIRPRESS 32	AIRPRESS 68
Canister 1 l	+	+	
Canister 5 l	+	+	
Canister 20 l	+	+	+
Drum 200 l	+	+	+

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Characteristics	AIRPRESS 15	AIRPRESS 32	AIRPRESS 68
Article number	035005	035001	035002
Composition, type of oil	ester oil , mineral oil	ester oil , mineral oil	ester oil , mineral oil
Appearance	clear	clear	clear
Colour space	yellow	yellow	yellow
Service temperature, lower limit	-30 °C	-15 °C	-10 °C
Service temperature, upper limit	100 °C	100 °C	100 °C
Density, DIN 51757, 20°C	approx. 0.853 g/cm <sup>3</sup>	approx. 0.87 g/cm <sup>3</sup>	approx. 0.88 g/cm <sup>3</sup>
ISO viscosity grade, DIN ISO 3448, ISO VG	-	32	68
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 3.4 mm <sup>2</sup> /s	approx. 5.5 mm <sup>2</sup> /s	approx. 9.2 mm <sup>2</sup> /s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 16 mm <sup>2</sup> /s	approx. 32 mm <sup>2</sup> /s	approx. 66 mm <sup>2</sup> /s
Viscosity index, DIN ISO 2909	approx. 70	approx. 100	approx. 100
Copper corrosion, DIN EN ISO 2160, 24 h, 100°C	1 - 100 - 24 corrosion degree	1 - 100 - 24 corrosion degree	1 - 100 - 24 corrosion degree
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	approx. -30 °C	≤ -10 °C	≤ -5 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months	36 months	36 months

## 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 95 years.

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