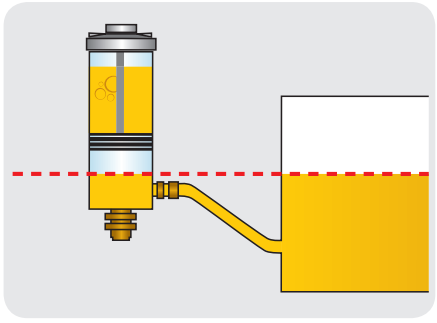
Automatic adjustment for optimal oil lubrication level

Oil leveller LAHD series

SKF Oil Levellers, LAHD 500 and LAHD 1000, are designed for automatic adjustment of the optimal oil lubrication level within a bearing housing, gear box, crank case or similar oil bath lubrication application. Not usually possible, SKF Oil Levellers allow you to effectively adjust the correct oil level during running conditions, Optimising machine performance and increasing the service life of the applications. Furthermore, they automatically compensate for oil leakage and offer the possibility of visual inspection of the oil level.



How it works

The SKF Oil Leveller consists of two communicating oil reservoirs. The lower reservoir is in direct contact with the application and hence its oil level is the same as the oil level inside the application. Through a ventilation hole, the lower reservoir is also in direct contact with the ambient air. The upper reservoir is an airtight container storing replacement oil. Through its extended neck, which dips into the oil of the lower reservoir, the two reservoirs are in direct contact with each other.

However, oil can only flow from the upper to the lower reservoir once the oil level in the lower reservoir goes below the pre–set level, allowing air to flow through the extended neck to the upper reservoir.

- Optimally maintained oil level provides adequate lubrication
- Easy visual inspection
- Extended re–lubrication intervals. LAHD 1000 compensates for evaporation losses of up to 1 litre of lubricating oil!
- Oil must be refilled manually

Technical data

Designation	LAHD 500 / LAHD 1000
Reservoir volume – LAHD 500 – LAHD 1000	 500 ml *(17 US fl. oz)* 1 000 ml *(34 US fl. oz)*
Boundary dimensions – LAHD 500 – LAHD 1000	 ∅91 × 290 mm high *(∅3.6 × 11.4 in.)* ∅122 × 290 mm high *(∅4.8 × 11.4 in.)*
Allowed temperature range	–20 to +70 °C *(–5 to +158 °F)*
Length of connecting tube	600 mm *(23.5 in.)*
Connection thread	G 1/2
Suitable oil types	Mineral and synthetic oils
Container material	Polycarbonate / aluminium
Tube material	Polyurethane

PUB MP/P8 12408 EN · December 2011