



ALS Two-in-One

for oil and grease

The ALS pneumatic pumps are especially versatile due to their compact design, their high performance capability and their manifold application spectrum. Both products display a very high delivery pressure, pre-defined discharge rates and are easy to handle and to install. With its double-acting pneumatic cylinder the ALS Two-in-One has the ability to pump two different media at the same time.

ALS Pneumatic Pump

for oil and grease

Mode of operation:

During the suction phase the piston glides back by means of spring pressure. Thereby the borehole at the pump element becomes unblocked. A predefined quantity of lubricant flows into the pump element. With each stroke the lubricant is pushed through the piston to the outlet. An integrated check valve prevents the backflow of the discharged lubricant.

Image	1	Image	2
Type	ALS Pneumatic Pump Two-in-One	Type	ALS Pneumatic Pump
Connection M 10x1 female thread	2 outlets or 8 outlets with progressive distributor	Connection M 10x1 female thread	1 outlet or 8 outlets with progressive distributor
Reservoir capacity Operating pressure	460 ml for oil / ca. 420 ml for grease max. 180 bar	Reservoir capacity Operating pressure	460 ml for oil / ca. 420 ml for grease max. 180 bar
Reservoir made of	transparent, impact-resistant plastic	Reservoir made of	transparent, impact-resistant plastic
Reservoir-Ø Reservoir height	115 mm 150 mm	Reservoir-Ø Reservoir height	115 mm 150 mm
Output	0,025 ml per stroke	Output	0,025 ml per stroke
Temperature range of way valve	-10 °C to +40 °C	Temperature range of way valve	-10 °C to +40 °C
Viscosity for oil	11 – 1900 cP (mm ² /s) temperature-dependent	Viscosity for oil	11 – 1900 cP (mm ² /s) temperature-dependent
NLGI grade for grease	000 – 2 (reservoir with piston and spring)	NLGI grade for grease	000 – 2 (reservoir with piston and spring)
Pneumatic cylinder	double-acting cylinder (optionally with signaler)	Pneumatic cylinder	double-acting cylinder (optionally with signaler)
Solenoid valve	5/2 way valve optional	Solenoid valve	3/2 way valve, pneumatic connection M5
Solenoid coil	-----	Solenoid coil	24 V DC
Nominal current	-----	Nominal current	0,4 A
Pump w/ 2 grease res.	14320	Pumpe w/ 1 grease res.	14185
Pump w/ 2 oil reservoirs	14319	Pump w/ 1 oil reservoir	14160
Pump with oil and grease reservoir	14551	Pump, no reservoir	14274
Pump, no reservoir	14552	Other oil reservoirs and pump elements on request	