

SMC lubricators (AL series) for precise lubrication of machine parts

From size 30, the oil supply can be topped up under pressure. Simple and precise adjustment. With a small air inlet spraying takes place.

For optimum functioning of the lubricator, the hose length between the lubricator and the air tool is a maximum of 8 meters. With longer hoses or when using a hose reel, the lubricator does not lubricate the air motor.

Automatic lubrication ensures steady lubrication in the right quantity and saves you the purchase of lubricants through metering. In addition, this means less scrap and maintenance of your pneumatic tools or machines, i.e. fewer malfunctions and costs. This benefits safety in the factory and also protects the environment.

SMC's **ALDU series** is a central lubrication with a spray range of up to 200 meters. This means that you only need to set and monitor 1 lubricator. This prevents errors and can reduce oil consumption by 80-90%. Good for your air tools, wallet and environment. You can also continue to use your hose reels in this way.

Do you have an oiler in a hard-to-reach place, e.g. high on a pneumatic hoist? Then we recommend the combination **ALF / ALT series** from SMC. The ALF oiler is automatically filled from the ALT oil tank.

Note:

See also SMC filters and pressure regulators for proper compressed air preparation. Consider the air consumption of your machine when properly selecting your SMC combination. Refer to the technical specification: NI / min (Normal liters per minute). Take into account the use of several compressed air tools at the same time.



AL – Lubricators

Type	Connect. inch	Flow rate l/min	Nebulizes from l/min	Sight glass	Container	Container protection with bayonet lock ¹⁾	Mounting bracket
AL20-F02-A	1/4	2400	15	AL20P-080AS	PC	s	AF22P-050AS
AL30-F03-A	3/8	4500	30	AL20P-080AS	PC	s	AF32P-050AS
AL40-F03-A	3/8	6000	40	AL20P-080AS	PC	s	AF42P-050AS
AL40-F04-A	1/2	5800	40	AL20P-080AS	PC	s	AF42P-050AS
AL40-F06-A	3/4	6000	40	AL20P-080AS	PC	s	AF42P-070AS
AL50-F06-A	3/4	7500	190	AL20P-080AS	PC	s	AF52P-050AS
AL50-F10-A	1	7500	190	AL20P-080AS	PC	s	AF52P-050AS
AL60-F10-A	1	10500	220	AL20P-080AS	PC	s	AF52P-050AS
AL800-12	1 1/4	13000	460	12316	PC	s	–
AL800-14	1 1/2	13000	650	12316	PC	s	–
AL900-20	2	20000	1800	12316	PC	s	–

¹⁾ o = Option, s = Standard

/ max. test pressure: 1,5 MPa / max. inlet pressure: 1,0 MPa / temperature range: -5°C to 60°C.



ALDU – Lubricators

Type	Connect. inch	Max. l/min	Filter µm	Oper. pressure MPa	Container capacity cm ³
EALDU600-10	1	6000	5	0.15 - 1.0	2000
EALDU900-20	2	15000	5	0.15 - 1.0	5000

max. test pressure: 1,5 MPa / max. inlet pressure: 1,0 MPa / temperature range: -5°C to 60°C.



ALF/ALT – Lubricators with autom. feed

Type	Connect. inch		max. oper. pressure MPa	min. flow rate l/min	Container capacity cm ³	Container	Weight
							kg
ALF400-F02	1/4		0.7	65	–	PC	0.85
ALF400-F03	3/8		0.7	100	–	PC	0.85
ALF400-F06	3/4		0.7	120	–	PC	0.88
ALF500-F06	3/4		0.7	190	–	PC	1
ALF600-F10	1		0.7	220	–	PC	1.15
ALF800-F12	1 1/4		0.7	460	–	PC	1.85
ALF800-F14	1 1/2		0.7	650	–	PC	1.85
ALF800-F20	2		0.7	1800	–	PC	1.9

The ALF lubricators are automatically filled from the ALT tank.



Oil tank for automatic lubrication

Type	Connect.		max. oper. pressure MPa	min. flow rate l/min	Container capacity cm ³	Container	Weight
	Air	Oil					kg
ALT-5	1/4	3/8	1.0	n.v.t.	5000	Metall	12.6
ALT-5-IS-1 *	1/4	3/8	1.0	n.v.t.	5000	Metall	13.2
ALT-9	1/4	3/8	1.0	n.v.t.	9000	Metall	26.0
ALT-IS-1 *	1/4	3/8	1.0	n.v.t.	9000	Metall	26.6

* with float switch.

Temperatur range: -5 to 60°C / Recommended oil standard: ISO VG32



Further information available 24 / 7 on our website.