

# Single Line Systems

for the delivery of oil and fluid greases.

The lubricant is dispensed through the main line to any number of lubricating points.

Benefits:

- Wide-ranging viscosities
- Only minimal pressure necessary
- Easy installation
- Long lubricating lines possible
- Simultaneous supply of any number of lubrication points possible
- Easy design of lubrication systems
- Extension and/or alteration possible



### Technical description:

The Single Line Systems ALS Mini 2 EA-Tronic and ALS Super EA-tronic supply lubricating points via metering valves. The drive unit as well as the electronic control are neatly arranged and protected through an enclosed box against any environmental effects. The systems can be controlled either with an internal control or externally via PLC.

**Applications:** machine tools, printing and converting machines, textile machines, presses etc.

Technical data	① ALS Mini 2 EA-Tronic	② ALS Super 3 EA-Tronic
Pump style:	gear pump	gear pump
Delivery output:	0.4 l/min	0.4 l/min
Operating pressure:	max. 35 bar	max. 35 bar
Lubricant medium:	oil fluid grease on request	oil fluid grease on request
Viscosity range:	20 – 700 mm <sup>2</sup> /s	20 – 700 mm <sup>2</sup> /s
Temperature range:	medium 0°C to 70°C surroundings 0°C to 40°C	medium 0°C to 70°C surroundings 0°C to 40°C
Reservoir capacity:	1.5 liter	3.0 liter
Material reservoir:	plastic, transparent	plastic, transparent
Protection class:	IP 54	IP 54
Drive:	electric motor	electric motor
Motor performance:	185/210 W	185/210 W
Operating voltage and nominal current:	24 V DC 230 V AC 50/60 Hz, 0.8/1.0 A	24 V DC, 3.9 A 230 V AC 50/60 Hz, 0.8/1.0 A
Output connection:	R ¼	R ¼
Number of outlets:	1	1
Level switch for fluid grease:	on request	on request
Float switch:	built-in	built-in
Press switch:	built-in	built-in

Type	Medium	Ord.no.	Ord.no.
230 V AC with control	oil	14460	14464
24 V DC with control	oil	14459	14463
230 V AC without control	oil	14461	14465
24 V DC without control	oil	14462	14466

Single Line Systems for fluid grease on request. Hoses and fittings on pages 18 - 23.

# Distribution Blocks and Dosing Elements

for Single Line Systems with screw connection

Distributor manifold with one-sided screw connection for the attachment of dosing elements.

These are available in different dosing volumes and precisely supply individual lubricant output to the lubricating points.

The lubricant shifting of the ALS dosing elements are controlled via the control grommet. As no pressure surge is needed for the functioning, the pressure build-up within the system transpires slowly. The ALS dosing elements distinguish themselves through exact dosing and high repetitive accuracy at slow pressurization.



Design	Steel, surface zinc-plated
Connections	M 8x1 for Ø 4 mm, with double taper sleeve and socket union according to DIN 2367
Lubrication line Main line	M 10x1 for Ø 6 mm
Installation position	any, if possible with outlet pointing up
Temperature range	0 - 70°C
Operating pressure	15 – 40 bar
Pressure relief	≤ 4 bar
Lubricants	oils and fluid greases NLGI grade 000 – 00 (according to approval)



ALS Dosing Elements		Image 3
Dosing volume	Ord.no.	
10 mm <sup>3</sup> /stroke	14479	
30 mm <sup>3</sup> /stroke	14480	
60 mm <sup>3</sup> /stroke	14481	
100 mm <sup>3</sup> /stroke	14482	
160 mm <sup>3</sup> /stroke	14483	

ALS Distribution Manifolds				Image 4
Quantity	Ord.no.	Quantity	Ord.no.	
1	14467	6	14472	
2	14468	7	14473	
3	14469	8	14474	
4	14470	9	14475	
5	14471	10	14476	

More variations and number of outlets on request

