

Automatic Lubricating Pump for Oil Model LOS-AP

Description

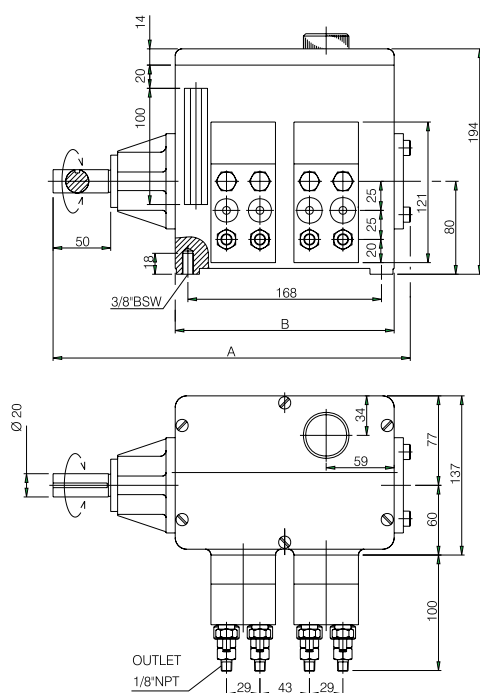
Lubricating Pump SONED® Model LOS - AP constitutes the simplest automatic lubricating method, both forced and metered, for machines in general that require high operating pressures.

Constituted by a variable number of small piston pumps (extensions) mounted on closed boxes that are the lubricant reservoir itself, it provides easy installation and connections at outlet. Points to be lubricated may be steel, copper or nylon tube made or other materials. Standard fittings complete the installation.

Each pump (extension), with independent regulation, injects metered quantities of lubricant at both near and far away posted points.

It may be driven by the original machine driving by means of pulleys, sprockets, elastic coupling, and yet by an independent motor.

Note: Each lubricating box (module) is dimensioned up to four extensions. For a larger number of extensions, it is necessary to couple as much modules as necessary



Specifications

No. of outlets	1 to 24.
Pressure per extension	Up to 600 kg/cm ²
Flow per extension	Adjustable from 0 to 0.20 cm ³ per turn
Reservoir capacity	2 liters per module
Lubricant	1000 cSt oil, maximum

Driving

- 1 - Straight rotative - EL
- 2 - Rotative with speed reducer - EB
- 3 - Gearmotor - MRV or MR
- 4 - Oscilating with sprocket - ST
- 5 - Special driving under request

Dimensions in millimeters

Extensions	A	B	Liters
1-2-3-4	308	190	2
5-6-7-8	408	380	4
9-10-11-12	688	570	6
13-14-15-16	878	760	8
17-18-19-20	1068	950	10
21-22-23-24	1258	1140	12

Purchasing information

- For ordering Lubricating Pumps SONED®, please refer to drive types and constructive layout and inform: Quantity / model / number of extensions / drive type and constructive layout

Examples: 2/LOS-AP/4/EL 1 or 1/LOS-AP/16 MR 1 or 4/LOS-AP/8/EB2

- In case of MR type Lubricating Pump, also please inform electrical motor voltage. When there is backpressure, as in the case of cylinders of steam motors, compressors, mixers, etc., it is recommended to install our double check valve reference VD at lubricant inlet point.

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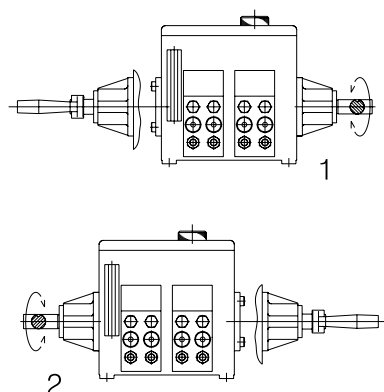
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Driving types

EL type

Rotative straight

Maximum 50 rpm



Purchasing codes

Code	Reference	Model	Code	Reference	Model
2389	LOS-1501-01	LOS-AP-01 EL-01	2390	LOS-1502-01	LOS-AP-01 EL-02
2395	LOS-1501-02	LOS-AP-02 EL-01	2396	LOS-1502-02	LOS-AP-02 EL-02
2401	LOS-1501-03	LOS-AP-03 EL-01	2402	LOS-1502-03	LOS-AP-03 EL-02
2407	LOS-1501-04	LOS-AP-04 EL-01	2408	LOS-1502-04	LOS-AP-04 EL-02
2413	LOS-1501-05	LOS-AP-05 EL-01	2414	LOS-1502-05	LOS-AP-05 EL-02
2419	LOS-1501-06	LOS-AP-06 EL-01	2420	LOS-1502-06	LOS-AP-06 EL-02
2425	LOS-1501-07	LOS-AP-07 EL-01	2426	LOS-1502-07	LOS-AP-07 EL-02
2431	LOS-1501-08	LOS-AP-08 EL-01	2432	LOS-1502-08	LOS-AP-08 EL-02
2437	LOS-1501-09	LOS-AP-09 EL-01	2438	LOS-1502-09	LOS-AP-09 EL-02
2443	LOS-1501-10	LOS-AP-10 EL-01	2444	LOS-1502-10	LOS-AP-10 EL-02
2449	LOS-1501-11	LOS-AP-11 EL-01	2450	LOS-1502-11	LOS-AP-11 EL-02
2455	LOS-1501-12	LOS-AP-12 EL-01	2456	LOS-1502-12	LOS-AP-12 EL-02
2461	LOS-1501-13	LOS-AP-13 EL-01	2462	LOS-1502-13	LOS-AP-13 EL-02
2466	LOS-1501-14	LOS-AP-14 EL-01	2467	LOS-1502-14	LOS-AP-14 EL-02
2471	LOS-1501-15	LOS-AP-15 EL-01	2472	LOS-1502-15	LOS-AP-15 EL-02
2476	LOS-1501-16	LOS-AP-16 EL-01	2477	LOS-1502-16	LOS-AP-16 EL-02

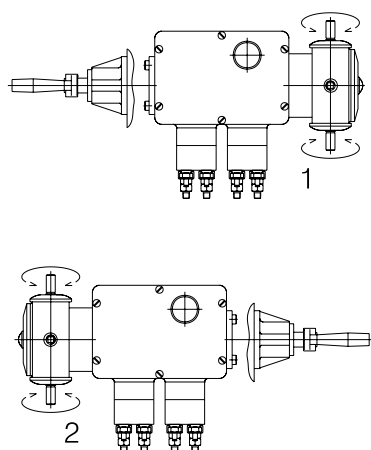
EB type

Rotative with speed reducer

Maximum 1750 rpm

Reduction ratio - 1: 60

Note: Please indicate rotation and speed reducer shaft position.



Purchasing codes

Code	Reference	Model	Code	Reference	Model
2387	LOS-1701-01	LOS-AP-01 EB-01	2388	LOS-1702-01	LOS-AP-01 EB-02
2393	LOS-1701-02	LOS-AP-02 EB-01	2394	LOS-1702-02	LOS-AP-02 EB-02
2399	LOS-1701-03	LOS-AP-03 EB-01	2400	LOS-1702-03	LOS-AP-03 EB-02
2405	LOS-1701-04	LOS-AP-04 EB-01	2406	LOS-1702-04	LOS-AP-04 EB-02
2411	LOS-1701-05	LOS-AP-05 EB-01	2412	LOS-1702-05	LOS-AP-05 EB-02
2417	LOS-1701-06	LOS-AP-06 EB-01	2418	LOS-1702-06	LOS-AP-06 EB-02
2423	LOS-1701-07	LOS-AP-07 EB-01	2424	LOS-1702-07	LOS-AP-07 EB-02
2429	LOS-1701-08	LOS-AP-08 EB-01	2430	LOS-1702-08	LOS-AP-08 EB-02
2435	LOS-1701-09	LOS-AP-09 EB-01	2436	LOS-1702-09	LOS-AP-09 EB-02
2441	LOS-1701-10	LOS-AP-10 EB-01	2442	LOS-1702-10	LOS-AP-10 EB-02
2447	LOS-1701-11	LOS-AP-11 EB-01	2448	LOS-1702-11	LOS-AP-11 EB-02
2453	LOS-1701-12	LOS-AP-12 EB-01	2454	LOS-1702-12	LOS-AP-12 EB-02
2459	LOS-1701-13	LOS-AP-13 EB-01	2460	LOS-1702-13	LOS-AP-13 EB-02
2464	LOS-1701-14	LOS-AP-14 EB-01	2465	LOS-1702-14	LOS-AP-14 EB-02
2469	LOS-1701-15	LOS-AP-15 EB-01	2470	LOS-1702-15	LOS-AP-15 EB-02
2474	LOS-1701-16	LOS-AP-16 EB-01	2475	LOS-1702-16	LOS-AP-16 EB-02

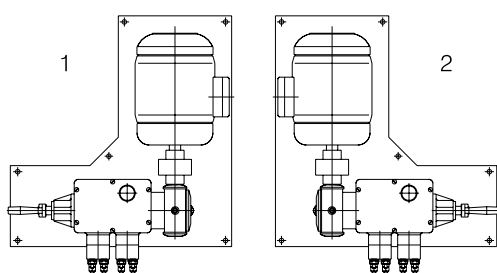
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Automatic Lubricating Pump for Oil Model LOS-AP

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MR type Independent with motor and speed reducer

Reduction ratio - 1:60

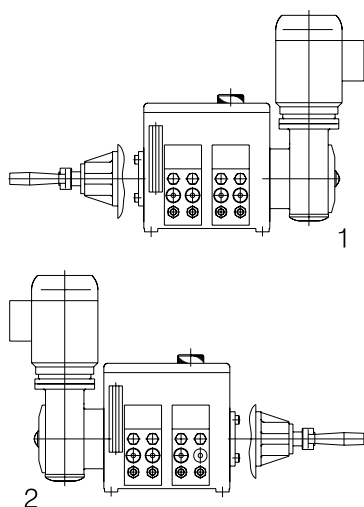


Purchasing codes

Code	Reference	Model	Code	Reference	Model
2391	LOS-1801-01	LOS-AP-01 MR-01	10070	LOS-1802-01	LOS-AP-01 MR-02
2397	LOS-1801-02	LOS-AP-02 MR-01	10071	LOS-1802-02	LOS-AP-02 MR-02
2403	LOS-1801-03	LOS-AP-03 MR-01	10072	LOS-1802-03	LOS-AP-03 MR-02
2409	LOS-1801-04	LOS-AP-04 MR-01	10073	LOS-1802-04	LOS-AP-04 MR-02
2415	LOS-1801-05	LOS-AP-05 MR-01	10074	LOS-1802-05	LOS-AP-05 MR-02
2421	LOS-1801-06	LOS-AP-06 MR-01	10075	LOS-1802-06	LOS-AP-06 MR-02
2427	LOS-1801-07	LOS-AP-07 MR-01	10076	LOS-1802-07	LOS-AP-07 MR-02
2433	LOS-1801-08	LOS-AP-08 MR-01	10077	LOS-1802-08	LOS-AP-08 MR-02
2439	LOS-1801-09	LOS-AP-09 MR-01	10078	LOS-1802-09	LOS-AP-09 MR-02
2445	LOS-1801-10	LOS-AP-10 MR-01	10079	LOS-1802-10	LOS-AP-10 MR-02
2451	LOS-1801-11	LOS-AP-11 MR-01	10080	LOS-1802-11	LOS-AP-11 MR-02
2457	LOS-1801-12	LOS-AP-12 MR-01	10081	LOS-1802-12	LOS-AP-12 MR-02
2463	LOS-1801-13	LOS-AP-13 MR-01	10082	LOS-1802-13	LOS-AP-13 MR-02
2468	LOS-1801-14	LOS-AP-14 MR-01	8723	LOS-1802-14	LOS-AP-14 MR-02
2473	LOS-1801-15	LOS-AP-15 MR-01	10083	LOS-1802-15	LOS-AP-15 MR-02
2478	LOS-1801-16	LOS-AP-16 MR-01	10084	LOS-1802-16	LOS-AP-16 MR-02

MRV type Independent with gearmotor

Reduction ratio - 1:60



Purchasing codes

Code	Reference	Model	Code	Reference	Model
2392	LOS-1901-01	LOS-AP-01 MRV-01	10058	LOS-1902-01	LOS-AP-01 MRV-02
2398	LOS-1901-02	LOS-AP-02 MRV-01	10059	LOS-1902-02	LOS-AP-02 MRV-02
2404	LOS-1901-03	LOS-AP-03 MRV-01	10060	LOS-1902-03	LOS-AP-03 MRV-02
2410	LOS-1901-04	LOS-AP-04 MRV-01	10061	LOS-1902-04	LOS-AP-04 MRV-02
2416	LOS-1901-05	LOS-AP-05 MRV-01	10062	LOS-1902-05	LOS-AP-05 MRV-02
2422	LOS-1901-06	LOS-AP-06 MRV-01	10063	LOS-1902-06	LOS-AP-06 MRV-02
2428	LOS-1901-07	LOS-AP-07 MRV-01	10064	LOS-1902-07	LOS-AP-07 MRV-02
2434	LOS-1901-08	LOS-AP-08 MRV-01	10065	LOS-1902-08	LOS-AP-08 MRV-02
2440	LOS-1901-09	LOS-AP-09 MRV-01	10066	LOS-1902-09	LOS-AP-09 MRV-02
2446	LOS-1901-10	LOS-AP-10 MRV-01	10067	LOS-1902-10	LOS-AP-10 MRV-02
2452	LOS-1901-11	LOS-AP-11 MRV-01	10068	LOS-1902-11	LOS-AP-11 MRV-02
2458	LOS-1901-12	LOS-AP-12 MRV-01	10069	LOS-1902-12	LOS-AP-12 MRV-02

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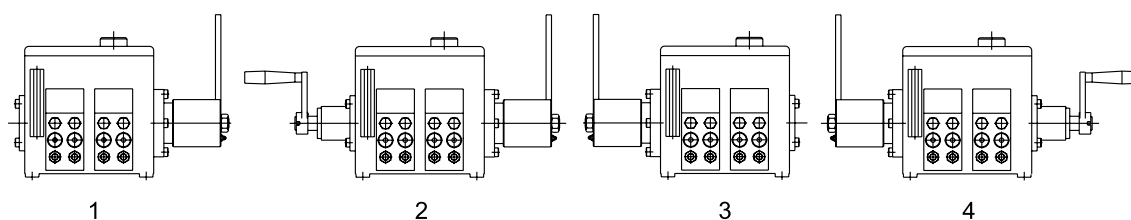
Automatic Lubricating Pump for Oil Model LOS-AP

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ST type

Oscilating with sprocket - Maximum 120 bpm

Driving angle - Minimum 10° - Maximum 60°



Purchasing codes

Code	Reference	Model	Code	Reference	Model	Code	Reference	Model	Code	Reference	Model
9475	LOS-1101-01	LOS-AP-01 ST-01	10826	LOS-1102-01	LOS-AP-01 ST-02	10841	LOS-1103-01	LOS-AP-01 ST-03	10851	LOS-1104-01	LOS-AP-01 ST-04
9336	LOS-1101-02	LOS-AP-02 ST-01	10827	LOS-1102-02	LOS-AP-02 ST-02	10842	LOS-1103-02	LOS-AP-02 ST-03	10852	LOS-1104-02	LOS-AP-02 ST-04
10810	LOS-1101-03	LOS-AP-03 ST-01	10829	LOS-1102-03	LOS-AP-03 ST-02	10843	LOS-1103-03	LOS-AP-03 ST-03	10853	LOS-1104-03	LOS-AP-03 ST-04
10811	LOS-1101-04	LOS-AP-04 ST-01	10830	LOS-1102-04	LOS-AP-04 ST-02	10844	LOS-1103-04	LOS-AP-04 ST-03	10854	LOS-1104-04	LOS-AP-04 ST-04
10812	LOS-1101-05	LOS-AP-05 ST-01	10833	LOS-1102-05	LOS-AP-05 ST-02	10845	LOS-1103-05	LOS-AP-05 ST-03	10855	LOS-1104-05	LOS-AP-05 ST-04
10820	LOS-1101-06	LOS-AP-06 ST-01	10834	LOS-1102-06	LOS-AP-06 ST-02	9898	LOS-1103-06	LOS-AP-06 ST-03	10856	LOS-1104-06	LOS-AP-06 ST-04
10821	LOS-1101-07	LOS-AP-07 ST-01	10835	LOS-1102-07	LOS-AP-07 ST-02	10828	LOS-1103-07	LOS-AP-07 ST-03	10857	LOS-1104-07	LOS-AP-07 ST-04
10822	LOS-1101-08	LOS-AP-08 ST-01	10836	LOS-1102-08	LOS-AP-08 ST-02	10846	LOS-1103-08	LOS-AP-08 ST-03	10858	LOS-1104-08	LOS-AP-08 ST-04
10328	LOS-1101-09	LOS-AP-09 ST-01	10837	LOS-1102-09	LOS-AP-09 ST-02	10847	LOS-1103-09	LOS-AP-09 ST-03	10859	LOS-1104-09	LOS-AP-09 ST-04
10823	LOS-1101-10	LOS-AP-10 ST-01	10838	LOS-1102-10	LOS-AP-10 ST-02	10848	LOS-1103-10	LOS-AP-10 ST-03	10860	LOS-1104-10	LOS-AP-10 ST-04
10824	LOS-1101-11	LOS-AP-11 ST-01	10839	LOS-1102-11	LOS-AP-11 ST-02	10849	LOS-1103-11	LOS-AP-11 ST-03	10861	LOS-1104-11	LOS-AP-11 ST-04
10825	LOS-1101-12	LOS-AP-12 ST-01	10840	LOS-1102-12	LOS-AP-12 ST-02	10850	LOS-1103-12	LOS-AP-12 ST-03	10862	LOS-1104-12	LOS-AP-12 ST-04