LITE LA Series Air-Driven Liquid Pumps



Series appearance; supplied configuration follows the order.

LA pumps use an 80 mm air-drive piston for liquid boosting, pressure testing and equipment integration. Select a model for the liquid and the required pressure and flow.

- 80 mm air-drive piston
- Pressure matching by adjusting drive-air pressure
- Wetted materials and seals selected for the liquid

Models and Reference Parameters

Model	Pressure ratio	Reference outlet pressure (MPa)	Drive port	Liquid inlet	Liquid outlet	Mass (kg)	Zero-backpressure reference flow (L/min)
LA04	4:1	3.2	G 3/8	NPT 1	NPT 1/2	4.8	15.36
LA10	10:1	8	G 3/8	NPT 3/4	NPT 1/2	4.3	7.15
LA16	16:1	12.8	G 3/8	NPT 1/2	NPT 1/2	4.2	4.59
LA30	30:1	24	G 3/8	NPT 1/2	NPT 3/8	4.2	2.53
LA44	44:1	35.2	G 3/8	NPT 3/8	NPT 3/8	4.1	1.41
LA64	64:1	51.2	G 3/8	NPT 3/8	NPT 3/8	4.1	0.95
LA100	100:1	80	G 3/8	NPT 3/8	NPT 3/8	4.1	0.64
LA170	170:1	136	G 3/8	NPT 3/8	M14×1.5	4.1	0.37

Selection and Operating Notes

- Tabulated reference outlet pressures are static reference values at drive-air pressure PL=0.8 MPa.
- Zero-backpressure reference flow is approximate at PL=0.6 MPa and outlet pressure PB=0 MPa; it does not represent flow at the target pressure.
- Reference outlet pressure supports selection. Confirm working pressure and flow at the target pressure for the selected model and application.
- Provide the liquid and temperature, inlet supply, drive conditions, target pressure and corresponding flow, and duty cycle.
- Connections and installation dimensions follow order drawings; accessories and system components follow the agreed scope of supply.

LITE LA 系列气液增压泵



LA 系列采用 80 mm 驱动活塞，以压缩空气为动力进行液体增压。适用于液体加压、试压与设备集成，按介质和目标工作点选择型号。

- 80 mm 驱动活塞
- 通过调节驱动气压匹配压力需求
- 接液材料与密封按介质配置

系列外观参考，具体供货配置按订单确认。

型号与参考参数

型号	增压比	参考出口压力 (MPa)	驱动口	液体入口	液体出口	质量 (kg)	零背压参考流量 (L/min)
LA04	4:1	3.2	G 3/8	NPT 1	NPT 1/2	4.8	15.36
LA10	10:1	8	G 3/8	NPT 3/4	NPT 1/2	4.3	7.15
LA16	16:1	12.8	G 3/8	NPT 1/2	NPT 1/2	4.2	4.59
LA30	30:1	24	G 3/8	NPT 1/2	NPT 3/8	4.2	2.53
LA44	44:1	35.2	G 3/8	NPT 3/8	NPT 3/8	4.1	1.41
LA64	64:1	51.2	G 3/8	NPT 3/8	NPT 3/8	4.1	0.95
LA100	100:1	80	G 3/8	NPT 3/8	NPT 3/8	4.1	0.64
LA170	170:1	136	G 3/8	NPT 3/8	M14×1.5	4.1	0.37

选型与工况注记

- 表列参考出口压力对应驱动气压 PL=0.8 MPa 的静态参考值。
- 零背压参考流量为 PL=0.6 MPa、出口压力 PB=0 MPa 时的近似值，不代表目标压力下的供流能力。
- 参考出口压力用于选型校核，具体工作压力和目标压力下的流量随所选型号与工况确认。
- 请提供液体及温度、入口供液条件、驱动条件、目标压力和对应流量、运行节拍。
- 接口及安装尺寸以订单图纸为准，附件与系统配套按供货范围确认。