LITE LB Series Air-Driven Liquid Pumps



Series appearance; supplied configuration follows the order.

LB pumps use a 125 mm air-drive piston for liquid boosting, pressure testing, injection and pressure-holding circuits. Selection accounts for air supply, liquid inlet conditions and duty cycle.

- 125 mm air-drive piston
- Air-driven reciprocating pressure boosting
- 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)
LB09	9:1	7.2	G 1/2	NPT 3/4	NPT 1/2	7.2	16.95
LB17	17:1	13.6	G 1/2	NPT 1/2	NPT 1/2	7.1	9.53
LB25	25:1	20	G 1/2	NPT 1/2	NPT 1/2	7.1	6.62
LB39	39:1	31.2	G 1/2	NPT 1/2	NPT 3/8	7.1	4.26
LB60	60:1	48	G 1/2	NPT 1/2	NPT 3/8	7.1	2.64
LB80	80:1	64	G 1/2	NPT 1/2	NPT 3/8	7.1	2.07
LB108	108:1	86.4	G 1/2	NPT 1/2	NPT 3/8	7.1	1.52
LB150	150:1	120	G 1/2	NPT 3/8	M14×1.5	7.1	1.06
LB240	240:1	192	G 1/2	NPT 1/4	M14×1.5	7.0	0.67

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 LB 系列气液增压泵



LB 系列采用 125 mm 驱动活塞，可集成于液体加压、试压、注入与保压回路。选型同时考虑现场供气、入口供液条件和工作节拍。

- 125 mm 驱动活塞
- 压缩空气驱动往复增压
- 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)
LB09	9:1	7.2	G 1/2	NPT 3/4	NPT 1/2	7.2	16.95
LB17	17:1	13.6	G 1/2	NPT 1/2	NPT 1/2	7.1	9.53
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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。