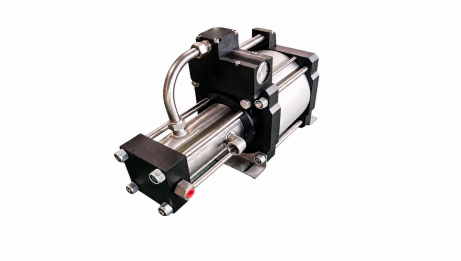
LITE LTA Series Gas Booster Pumps



Series appearance; supplied configuration follows the order.

LTA uses a single-acting design with air-operated reversal for reciprocating gas boosting. Select a model for gas pressure build-up and pressure-holding systems using the gas type, inlet pressure and flow at the target pressure.

- 8 models with boost ratios from 2:1 to 100:1
- 160 mm drive piston
- Exhaust-cooled pump head

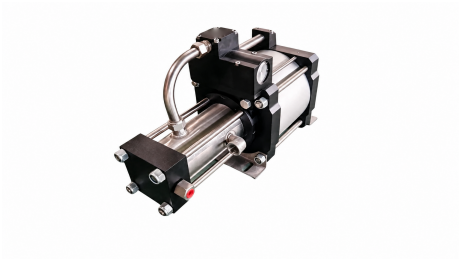
Models and Specifications

Model	Boost ratio	Inlet pressure PA (MPa)	Maximum outlet pressure PB (MPa)	Outlet pressure relation	Inlet connection	Outlet connection	Net weight (kg)
LTA02	2:1	0.17-1.6	1.6	2 × PL	ZG 1/2	ZG 1/2	17.5
LTA05	5:1	0.35-4	4	5 × PL	ZG 1/2	ZG 1/2	14.3
LTA06	6:1	0.45-4.8	4.8	6 × PL	NPT 3/8	NPT 3/8	13.8
LTA10	10:1	0.55-8	8	10 × PL	NPT 3/8	NPT 3/8	13.8
LTA25	25:1	1-20	20	25 × PL	NPT 1/4	NPT 1/4	13.8
LTA40	40:1	1.5-32	32	40 × PL	NPT 1/4	NPT 1/4	13.8
LTA60	60:1	2.5-48	48	60 × PL	NPT 1/4	NPT 1/4	13.8
LTA100	100:1	3.5-80	80	100 × PL	NPT 1/4	M14×1.5	13.8

Selection and Operating Notes

- Maximum design drive-air pressure is 1.0 MPa; no more than 0.8 MPa is recommended for long-term operation.
- PL is drive-air pressure, PA is gas inlet pressure and PB is outlet pressure. Use the same pressure unit for all three. The pressure relation is for selection checks; operation must not exceed the listed maximum outlet pressure.
- Provide the gas type, inlet pressure PA, drive-air pressure PL, target outlet pressure PB, flow at that pressure, and continuous or intermittent duty requirements.

LITE LTA 系列气体增压泵



LTA 系列采用单作用结构，通过气控换向实现往复增压，可用于工艺气体的压力建立与保压系统。按气体种类、入口压力和目标压力下的流量选择具体型号。

- 增压比 2:1 ~ 100:1，共 8 种型号
- 160 mm 驱动活塞
- 泵头采用排气冷却

系列外观参考，具体供货配置按订单确认。

型号与参数

型号	增压比	入口压力 PA（MPa）	最高出口压力 PB（MPa）	出口压力关系	入口接口	出口接口	净重（kg）
LTA02	2:1	0.17-1.6	1.6	2 × PL	ZG 1/2	ZG 1/2	17.5
LTA05	5:1	0.35-4	4	5 × PL	ZG 1/2	ZG 1/2	14.3
LTA06	6:1	0.45-4.8	4.8	6 × PL	NPT 3/8	NPT 3/8	13.8
LTA10	10:1	0.55-8	8	10 × PL	NPT 3/8	NPT 3/8	13.8
LTA25	25:1	1-20	20	25 × PL	NPT 1/4	NPT 1/4	13.8
LTA40	40:1	1.5-32	32	40 × PL	NPT 1/4	NPT 1/4	13.8
LTA60	60:1	2.5-48	48	60 × PL	NPT 1/4	NPT 1/4	13.8
LTA100	100:1	3.5-80	80	100 × PL	NPT 1/4	M14×1.5	13.8

选型与工况注记

- 最大设计驱动气压为 1.0 MPa，建议长期运行不超过 0.8 MPa。
- PL 为驱动气压，PA 为气体入口压力，PB 为出口压力，三者使用相同压力单位。压力关系用于选型校核，运行须满足入口范围且不得超过表列最高出口压力。
- 选型请提供气体种类、入口压力 PA、驱动气压 PL、目标出口压力 PB、目标压力下的流量和连续或间歇运行要求。