



MODEL 110

STRENGTH IN A SMALL PACKAGE



treborintl.com/pumps

This is PURE
INNOVATION.

OVERVIEW

The Trebor® Model 110 pump is an industry standard for lower flow, high-purity chemical pumping applications. The Model 110 is an air-operated, double-diaphragm pump that uses only virgin PTFE and PFA materials in the fluid path, making it compatible with virtually all process chemicals. The center fluid cavity and internal air control valves make this one of the smallest pumps on the market for its capacity.

CONTROL OPTIONS

110R0 – Recirculation Pump (1/2" NPT)

110R1 – Recirculation Pump (Flare)

110E0 – External Control (1/2" NPT)

110E1 – External Control (Flare)

PERFORMANCE



MAX FLOW RATE
21 LPM / 5.5 GPM



WETTED MATERIALS
Virgin PTFE/PFA



MAX TEMPERATURE
100°C / 212°F



DRY SUCTION LIFT
7 ft / 2.1 m



MAX PRESSURE
60 PSI / 0.41 MPa



SHIPPING WEIGHT
4.08 kg / 9 lbs.

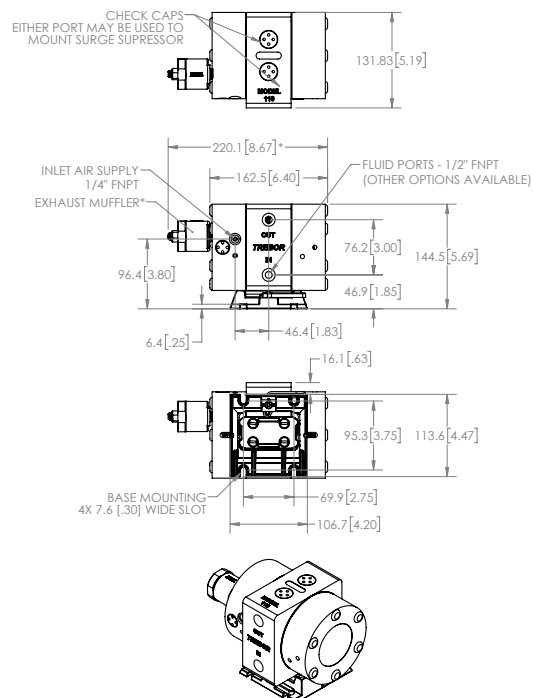


KEY FEATURES

- **High Flow, High Pressure:** Up to 21 LPM at 60 PSI supports demanding process requirements.
- **Thermal Resilience:** Operates with fluids up to 100°C, maintaining performance under elevated temperatures.
- **Free Floating Diaphragm:** Removes mechanical connections at the diaphragm face, eliminating the main wear point in an AODD pump.
- **Dry Start & Self-Priming:** Safe to run dry and self-primers automatically.
- **Ultra-Pure Chemical Handling:** Virgin PTFE/PFA construction ensures purity and prevents leaching or contamination.
- **Global Certified Rebuild Program** – Guarantees all wear parts are replaced with factory-grade components and includes a renewed warranty for reliable performance.
- **Lowest Cost of Ownership:** Industry-best MTBF and low-cost rebuilds reduce total lifetime cost.
- **Established Performance :** The Model 110 pump has been an essential, reliable pump used in global fabs since 1992.

DIMENSIONS

DIMENSIONS IN MILLIMETERS [INCHES]



MTD0434
REV A

OPTIONS

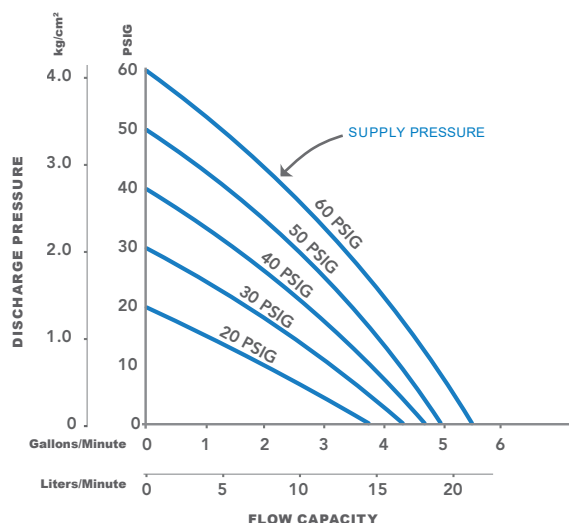
PUMP	110R0	Model 110 Recirculation Pump (1/2" NPT)
	110R1	Model 110 Recirculation Pump (Flare)
	110E0	Model 110 External Control (1/2" NPT)
	110E1	Model 110 External Control (Flare)
FLUID CONNECTION	000000	No Adapter Fittings
	F0600	3/8" Flare Tube Adapter
	F0800	1/2" Flare Tube Adapter
OPTIONS	A0	No Option
	A2	Non-metallic Ceramic Shuttle**
	A5	Air Filter

** For 110R Only

Example of an order number based on configuration options:

110R0	F0800	A2
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FLOW PERFORMANCE



Flow measurement taken with ambient temperature DI water.

ACCESSORIES

PROBES	DP-S-01	Amplifier; Cycle/Leak (Source PNP; One Per Probe)
	DP-S-02	Amplifier; Cycle/Leak (Sinking NPN)
	DP-C-1	Cycle
	DP-C-19	Cycle; EOS; 3/8 NPT
SURGE SUPPRESSORS	DP-L-22	Leak Sensor; FLR; 3/8Txx1/4 NPT (110R Only)
	DP-L-22-110	Leak Sensor FLR; 3/8Tx 1/4 NPT (110E Only)
	SS40P2A0	Port Mounted; No Options

More Options Available, Contact Trebor for Information

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