

Champion SL20

Slurry Delivery Pump

Engineered specifically for CMP slurry delivery applications, the Trebor® Champion SL20 pump will handle even the most aggressive slurries with ease. What makes the Champion SL20 unique is its shaftless design. This creates excellent suction lift and eliminates a significant wear surface for reduced maintenance and particle generation. Trebor's Cross Phase Discharge allows discharge phases to be overlapped, creating a near pulseless flow. Combine this with the pump's smooth, over-sized flowpath and you get significantly reduced shear effects that can cause slurry agglomeration.

Construction

- ▶ All wetted parts are constructed of PTFE or PFA for unmatched chemical compatibility
- ▶ No metal parts and no elastomer o-ring seals ensures an ultrapure pumping solution
- ▶ Non-penetrated, double layer PTFE diaphragm for long life
- ▶ Clean room assembled, tested, and packaged
- ▶ One-year, no maintenance warranty



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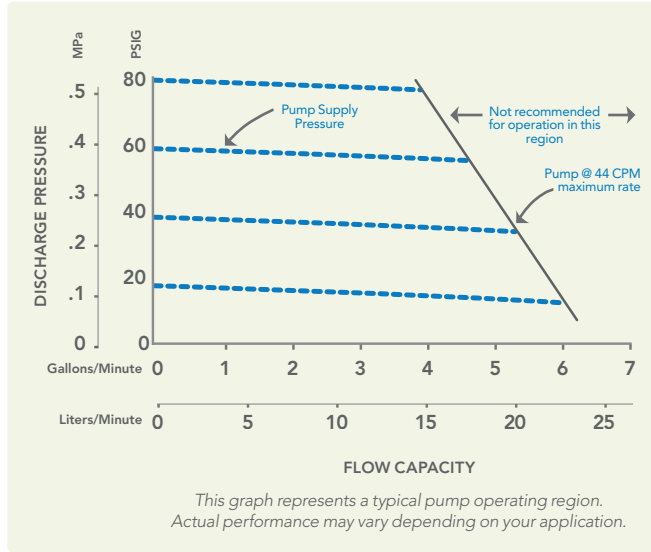
Performance Summary

	English	Metric
▶ Maximum discharge pressure	80 psig	.55 MPa
▶ Maximum output*	6 GPM	23 LPM
▶ Suction lift: dry water column†	12 ft	3.7 m
▶ Maximum fluid operating temperature	212 °F	100 °C
▶ Weight	20 lbs.	9 kg
▶ Maximum ejector supply pressure	80 psig	.55 MPa
▶ Minimum start pressure	15 psig	.10 MPa
▶ Maximum air consumption	6.8 cfm	3.2 l/sec
▶ Dimensions	10.5" W 11.6" H 8.0" D	26.7 cm 29.5 cm 20.3 cm
▶ Weight	16 lbs.	7.3 kg

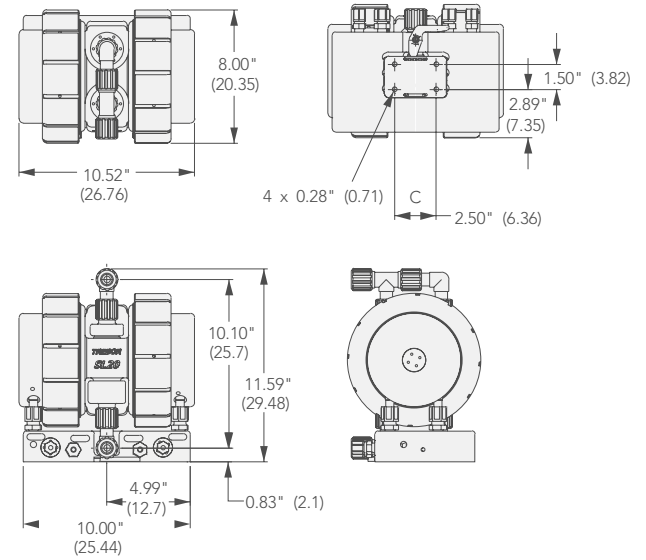
*Flowrate suction limited. Positive inlet head will increase flow capacity.

†Performance measurements taken with ambient temperature DI water.

Flow Capacity



Dimensions in Inches (cm.)



Options and Ordering

Use the code numbers for ordering the following options for your Champion SL20 Slurry Delivery Pump.

PUMP	SL20U	Champion SL20 Pump – with end of stroke probe (2 ea)
FLUID CONNECTION	F12	3/4" Flare, Standard (Consult factory for more options)
CONTROLLER	00	Without Controller*
	20	PC20 Controller
OPTIONS	A0	No Option
	A1	Leak Probes (2 ea)*

* This pump requires a connection to an external pump controller.

Example of an order number based on configuration options:

SL20U	F12	20	A1
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