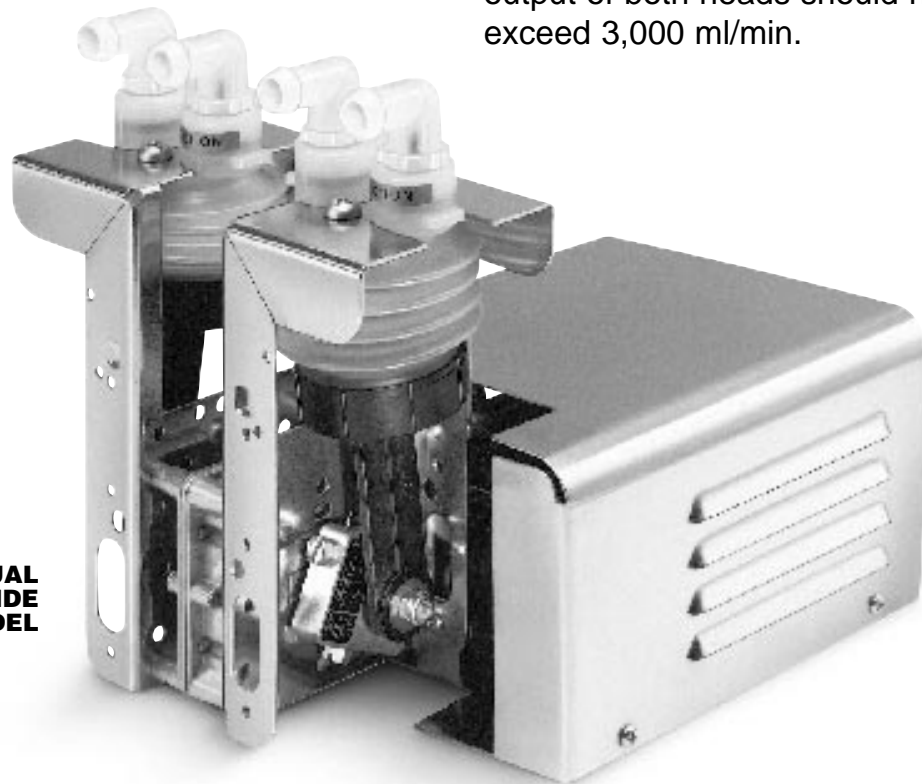


Dual Side-by-Side *Pumps*

Dual models are available in the standard crank configuration only. Models operate 180 degrees out-of-phase for maximum power efficiency. Each module is independently adjustable. Total output of both heads should not exceed 3,000 ml/min.



**2½" DUAL
SIDE-BY-SIDE
MODEL**

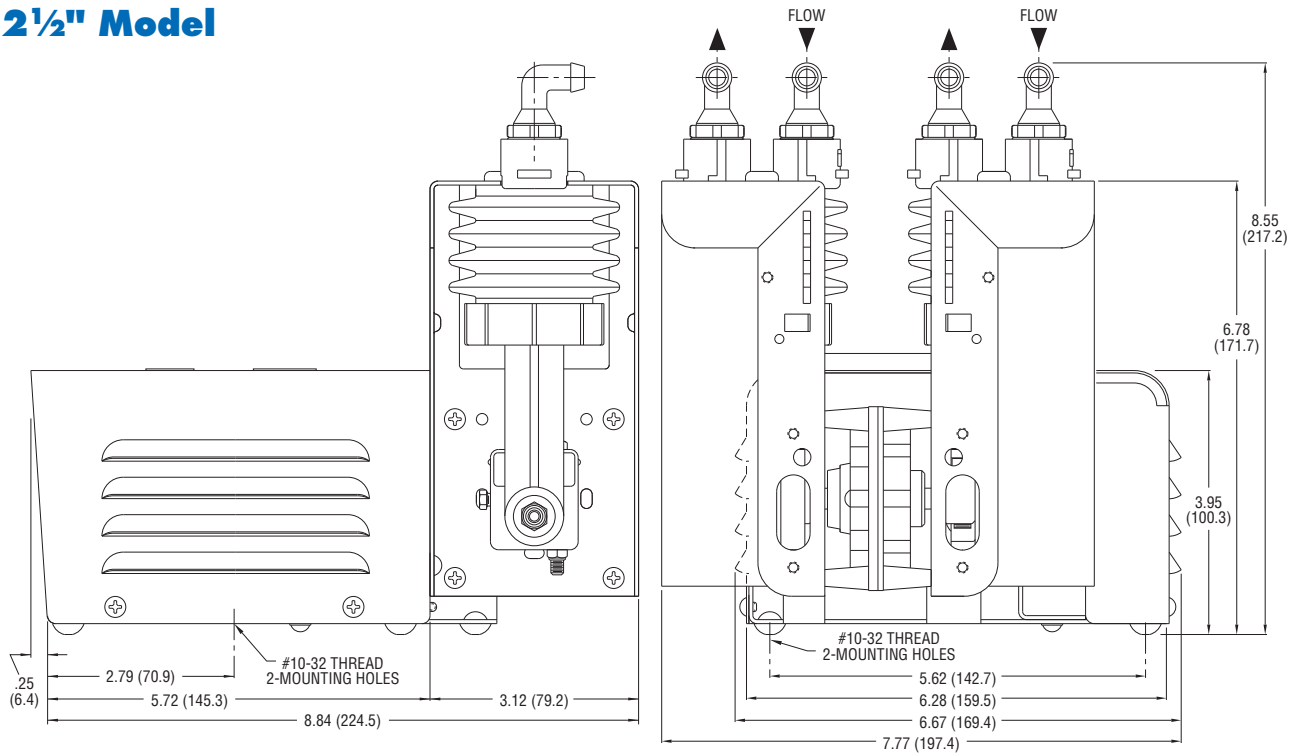
MODEL SPECIFICATIONS

Dual Side-by-Side Model Number		Bellows	Discharge Strokes per minute (Motor RPM)		Maximum Flow ml per minute per module		Gallons (Liters) per hour per module		Max. Pressure	Electrical Amps*	Approx. Wt.
120V/60 Hz 110V/50 Hz	240V/60 Hz 220V/50 Hz	Diameter Inches	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	PSI (kg/cm ²)	120V 60 Hz	lbs.
13193-001	13193-002	2½ x 2½	27.5	33	1512.5/ 1512.5	1815.0/ 1815.0	23.97/23.97 (90.72/90.72)	28.7/28.7 (108.89/108.89)	5/5 (.37/.37)	1.20	8
13191-043	13191-044	1½ x 1½	27.5	33	288.75/ 288.75	346.50/ 346.50	4.58/4.58 (17.33/17.33)	5.49/5.49 (20.79/20.79)	5/5 (.37/.37)	1.20	8

*Amp values for 240V will be approximately 50% of 120V values shown above.

DUAL SIDE-BY-SIDE BELLOWS - TYPICAL DIMENSIONS

2½" Model



Dimensions in Inches
(Dimensions in Millimeters)

Order Notes: When ordering a side-by-side bellows model, add one "X" code for valve and O-ring material selection and one code for connector selection from the Bellows Part Selection Guide.

Example: 13193-001 (2½" x 2½" bellows model) with Hypalon® poppet valves and O-rings and elbow connectors for ½" I.D. tubing would be ordered as 13193-001 X-125 T-009 X-125 T-009.