

V21E SERIES

INDUSTRIAL DUTY EXPLOSION-PROOF TUBING PUMPS

Designed to meet the demanding requirements of chemical injection, dispensing and transfer applications



Exceptional self-priming capabilities make the V21E Series an ideal choice for hard-to-handle chemicals such as sodium hypochlorite, hydrogen peroxide, methanol or viscous polymers.

An extremely wide range of flow outputs can be obtained by simply changing the tubing size or pump speed.

One size pumphead accepts six standard tubing sizes. The sealed, spring-loaded pumphead rollers provide extended tubing life and automatically compensate for minor variations in pump tube wall thickness.

PERISTALTIC PUMPS

V21E SERIES FEATURES

- Flows to 51.7 GPH, Pressures to 100 psi.*
- Accepts 6 different tubing sizes
- Spring-loaded roller assembly
- Sealed pumphead
- Rugged modular design
- Seal-less pumping technology
- Self-priming – suction lifts to 30 ft.
- No check valves – few moving parts
- Dry run capability
- Selectable manual or automatic control

* Pressure rating dependent on tubing size.

FLOMOTION V21E SERIES ENGINEERING SPECIFICATIONS

GEARBOX / MOTOR / PUMPHEAD

- Motor: 1/4HP, 230Vac, 3-Phase, C1D2 Ex-proof, 56C with oven cured epoxy powder coat finish.
- Gearbox: Diecast aluminum, corrosion resistant epoxy coated.
- Pumphead: Stainless Steel with spring loaded roller assembly.
- Weight: 34lbs.

V21E Series Estimated Pumping Capacity*				RPM Range: 9.0 - 240		
Tubing Size (ID)	1.6mm (1/16")	3.2mm (1/8")	4.8mm (3/16")	6.4mm (1/4")	8mm (5/16")	9.6mm (3/8")
Max Pressure (psi)	100	100	80	60	30	30
ml/rev*	0.4	1.7	4.1	6.5	10.8	13.6
Flow Range GPH:	0.06 - 1.5 (4 - 96 ml/m)	0.2 - 6.5 (15 - 408 ml/m)	0.5 - 15.6 (37 - 984 ml/m)	0.9 - 24.7 (58 - 1,560 ml/m)	1.5 - 41.1 (97 - 2,592 ml/m)	1.9 - 51.7 (122 - 3,262 ml/m)
Continuous Duty Up To:	0.6 (40 ml/m)	2.7 (170 ml/m)	6.5 (410 ml/m)	10.3 (650 ml/m)	17.1 (1,080 ml/m)	21.6 (1,360 ml/m)
Medium Duty Up To:	1.1 (70 ml/m)	4.7 (297 ml/m)	11.4 (719 ml/m)	18.0 (1,136 ml/m)	30.0 (1,893 ml/m)	37.7 (2,378 ml/m)
Light Duty Up To:	1.5 (96 ml/m)	6.5 (408 ml/m)	15.6 (984 ml/m)	24.7 (1,560 ml/m)	41.1 (2,592 ml/m)	51.7 (3,262 ml/m)

*Recommended Use for Optimal Performance

Continuous Duty Cycle: 24/7/365 100rpm max.

Medium Duty Cycle: 12/7/365 175rpm max.

Light Duty Cycle: 1/7/365 240rpm max

Run time: No limit continuous max speed.

Run time: 6 hour continuous max speed/twice per day.

Run time: 1 hour continuous max speed/once per day.

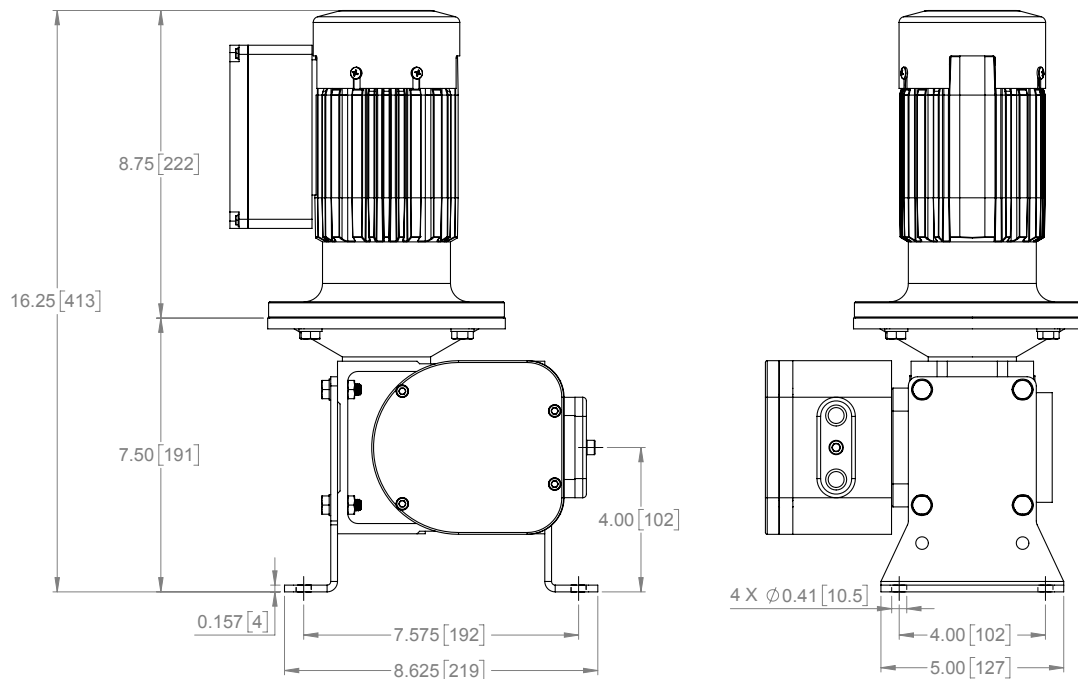
Note: Above outputs based on water at no back pressure. Actual flow rates may vary.

AGENCY
APPROVALS



DIMENSIONS

in [mm]



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