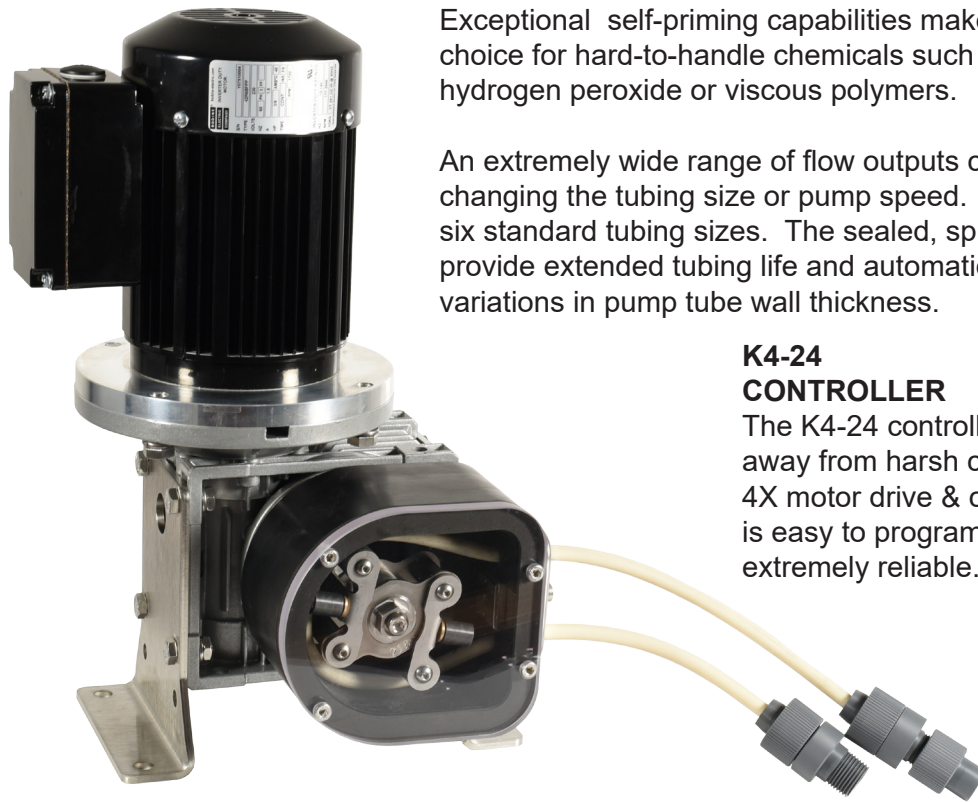


V21 SERIES

INDUSTRIAL DUTY TUBING PUMPS

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



Exceptional self-priming capabilities make the V21 Series an ideal choice for hard-to-handle chemicals such as sodium hypochlorite, hydrogen peroxide 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.

K4-24 CONTROLLER

The K4-24 controller mounts on a wall or panel away from harsh chemicals. The rugged NEMA 4X motor drive & controller is easy to program and extremely reliable.



SAFETY FIRST - Sealed Pumphead Design - Tubing Rupture Detector

An optional tubing rupture detector will automatically shut down the pump and signal an alarm in the event of a tubing leak.

Together, the unique sealed pump design and the Tubing Rupture Detector help to protect operators and other equipment from potentially dangerous fumes and chemicals.



PERISTALTIC PUMPS

V21 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 V21 SERIES ENGINEERING SPECIFICATIONS

GEARBOX / MOTOR / PUMPHEAD

- Motor: 3/8HP, TEFC inverter duty, 56C with oven-cured epoxy powder coat finish.
- Gearbox: Diecast aluminum, corrosion resistant epoxy coated.
- Pumphead: Stainless Steel with spring loaded roller assembly.
- Weight: 34 lbs.

K4-24 CONTROLLER

- Wall mount with LED display
- Integral 8 button keypad
- Forward/Reverse capability
- NEMA 4X enclosure
- 115/230VAC input, 1-Phase
- 230VAC 3-phase output to motor
- Integral Power Disconnect (opt.)

INTERFACING

- Remote or manual speed control input (4-20mA, DC voltage or frequency)
- Start/Stop control input
- Local/Remote Select input
- Tubing Rupture input
- Pump Running output (running/stopped)
- Speed Feedback output (4-20mA)
- Status output (auto/manual)
- Fault output

V21 Series Estimated Pumping Capacity*				RPM Range: 1.5 - 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:	0.01 - 1.5 (0.6 - 96 ml/m)	0.03 - 6.5 (1.9 - 408 ml/m)	0.09 - 15.6 (5.7 - 984 ml/m)	0.2 - 24.7 (12.6 - 1560 ml/m)	0.2 - 41.1 (12.6 - 2,592 ml/m)	0.3 - 51.7 (18.9 - 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

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

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.

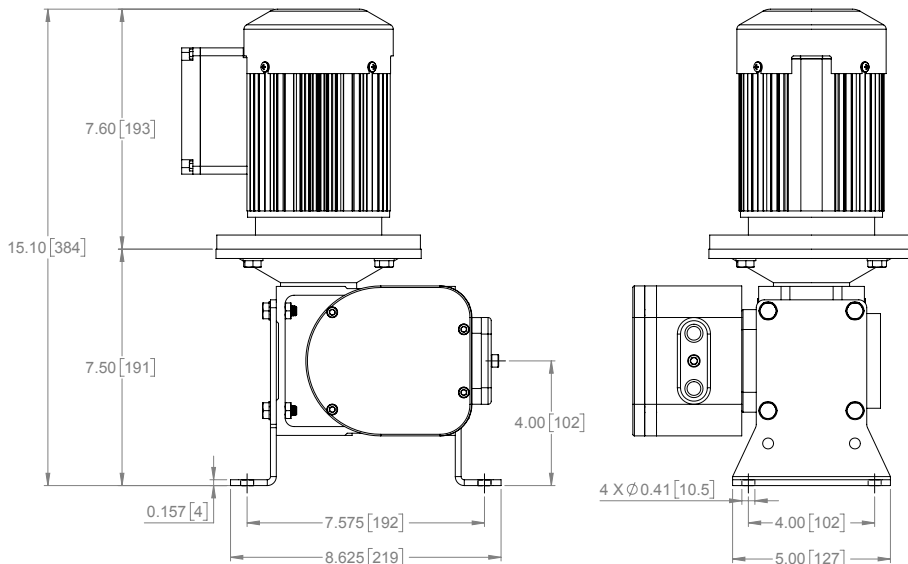
AGENCY APPROVALS



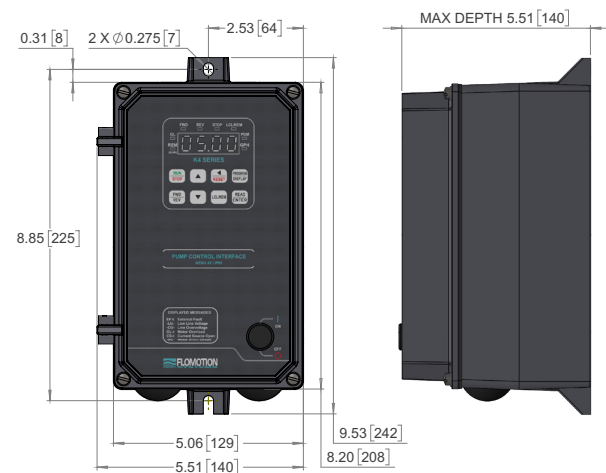
DIMENSIONS

in [mm]

V21 Series Motor and Pump



K4-24 Wall Mount Controller



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