

520UN/R2, 520UN/R

Metering and Transfer Pump Auto/Manual Control NEMA 4X Washdown Enclosure

Technical Information and Features

- Flowrates from 0.004 to 3,500 ml/min (0.00006 - 55.5 gph)
- Discharge pressures up to 30 psi
- Operator friendly keypad offering:
 - Start, stop, speed control, fwd/rev
 - Precise manual speed control from 0.1-220 rpm in 0.1 rpm increments
 - Large clear LCD display with accurate digital monitoring for clear RPM and flowrate indication
 - Auto-restart, keypad lock, and rapid prime functions
 - MemoDose feature for manually actuated repetitive discrete volume dispensing
- Precise 2200:1 speed control range from 0.1-220 rpm in 0.1 rpm increments
- Remote speed control via scalable 0-10VDC or 4-20mA analog speed input when in auto mode.
Second analog input via 0-10VDC or 4-20mA available for scaling of primary analog input
- 4 configurable NO or NC relay contacts for outputs of run/stop, direction, auto/manual status and choice of alarm conditions
- Accepts 24V Industrial logic, 5VTTL or dry contact for run/stop, direction, leak detected, auto/manual toggle and MemoDose footswitch



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for high pressure washdown

- Closed loop microprocessor controlled brushless DC motor for excellent speed control, quiet operation, no maintenance and 24Hr duty
- Fitted with easy loading 520R or 520R2 pump heads featuring:
 - Twin-sprung rollers for high accuracy and gentle pumping of shear sensitive fluids
 - Corrosion resistant PPS rotor and track with 316 Stainless Steel rollers
 - Impact resistant clear guard with tool unlockable safety latch
 - Ergonomic handgrip hub with shaft disengaging clutch for effortless tube loading
 - 520R2 accepts tube sizes #105, 108, 119, 120, 15, 24, 121 and 122 (0.5-9.6mm bore & 2.4mm thick wall)
 - Optional 520R for low pressure applications accept tube sizes #112, 13, 14, 16, 25, 17, 18 (0.5-8.0mm bore & 1.6mm thin wall)
- Optional Pump heads include 313/314 easy loading flip top, 505L low pulse and 505CA low flow multi-channel

Technical Specifications

Shipping Weight: 23 lbs

Maximum Power Consumption: 135 VA

Supply: 100-120/200-240V, 50-60Hz (voltage selectable)

Maximum Rotor Speed: 220 RPM

Enclosure: NEMA 4X

Operational Temperature Range: 5°C to 40°C

Noise: max 70dBA at 1 meter

Standards

Meets all applicable CE and American ETL Standards

UL610101A-1

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