

# Quantum 600

with ReNu SU Technology

# Quantum

Watson-Marlow Pumps

## FEATURES AND BENEFITS

- Flow rates from 5.33 ml/min to 20 L/min
- 4000:1 speed control range from 0.1 to 400rpm in 0.1rpm increments
- Patented ReNu SU cartridge technology
- Colour display and intuitive menu structures provide visual status indication and minimal key presses
- Keypad incorporates 3-level security PIN protection
- Paint free IP66/NEMA 12/13 pump housing
- Dual voltage, 115V/230V 50/60Hz

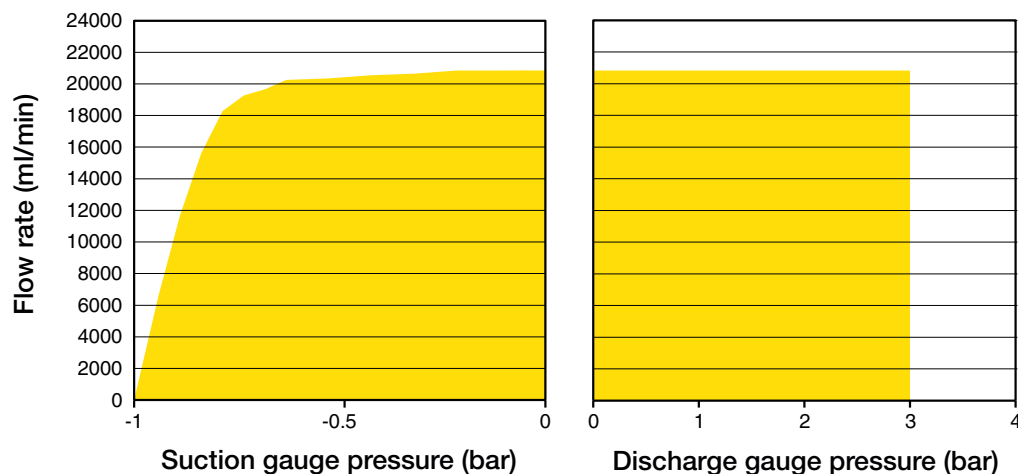


*Watson-Marlow...Innovation in Full Flow*

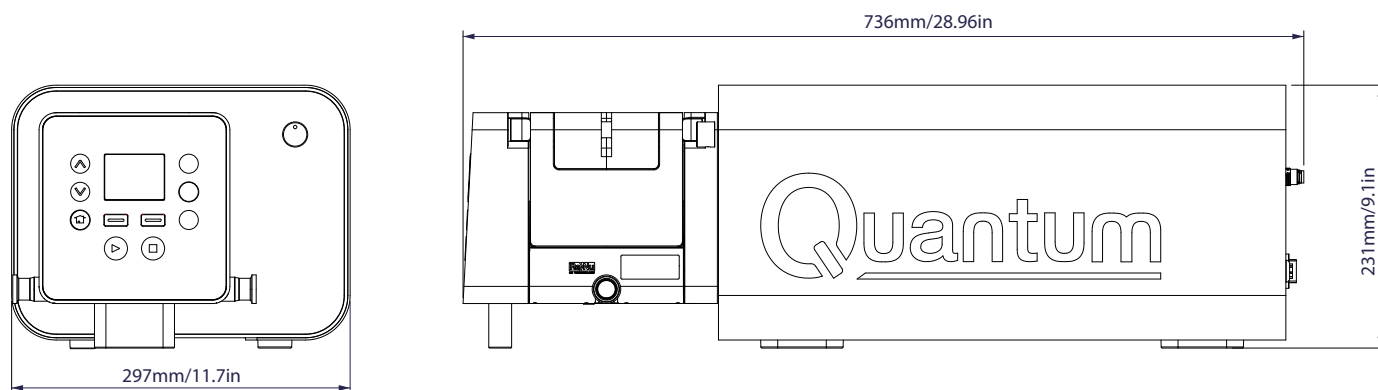
## TECHNICAL DATA

Pump drives
<b>Manual control</b>
Intuitive keypad and colour display
Choice of flow rate or speed display
Full calibration with choice of flow units
<b>Remote control</b>
Configurable Start/Stop, leak detector input (via contact closure or 5V TTL or 24V industrial logic)
Direction change and auto/manual toggle input (via contact closure or 5V TTL or 24V industrial logic)
Remote operation of MemoDose (foot/hand-switch or logic input)
Four configurable digital status outputs through 24V, 30W relays
<b>Analogue speed control</b>
Fully configurable inputs; 0-10V or 4-20mA
Analogue outputs; 0-10V, 4-20mA
Tacho frequency output; 0 to 1067 Hz, 0 to 400RPM
<b>Security</b>
3-level Security PIN lock

## PERFORMANCE



## DIMENSIONS



## TECHNICAL SPECIFICATION

	Universal
Ingress rating	IP66 / NEMA 12/13
Enclosure	Water/dustproof
Humidity (non-condensing)	80% up to 31C (88F) decreasing linearly to 50% at 40C (104F)
Temperature	5C to 30C (41F to 86F)
Pump weight	38kg / 83.8 lb
Speed control ratio	4000:1
Noise	<70 dB(A)
Standard	CE, cETLus, IEC61010-1
Power supply	100-120V/200-240V 1ph 50/60Hz 250VA
I/O connectors	3 x M12 chassis male 8-way 1 x M12 chassis female 8-way
Max operating pressure and flow	Refer to cartridge

## MATERIALS OF CONSTRUCTION

Component	Material
Pump drive body/cover	Aluminium (anodised)
Pumphead Casework	Aluminium (anodised)
Guard track	Aluminium (anodised)
Rollers	Stainless steel 316
HMI/keypad overlay	Polyester film
Case seals	Silicone
Drive body feet	Silicone
ReNu Single Use cartridge	Refer to cartridge datasheet
Head foot	Aluminium

## ORDER INFORMATION



### Plug options\*

- U: UK mains plug
- E: EU mains plug
- A: American mains plug
- K: Australia mains plug
- R: Argentina mains plug
- C: Swiss mains plug
- D: India/South Africa mains plug

\*IP66 / NEMA 12/13 pumps are supplied with a 2.5m/8.2ft lead attached to an American, Australia, Argentina, Swiss or South Africa mains plug

**NOTE:** Each pump is supplied with 1 bolt down bracket.

### ReNu SU Technology Product Codes

Description	Partcode
ReNu SU 600 20/3P	33-1061-000001
ReNu SU CONNECTION KIT, BRAIDED PLATINUM-CURED SILICONE HOSE, 3/4" TC E/E, 0.5 MTR	33-1069-000001
ReNu SU CONNECTION KIT, BRAIDED PLATINUM-CURED SILICONE HOSE, 3/4" TC E/E, 1 MTR	33-1069-000002
ReNu SU CONNECTION KIT, BRAIDED PLATINUM-CURED SILICONE HOSE, 3/4" TC E/E, 3 MTR	33-1069-000003

All flow rates shown were obtained pumping water at 20C (68F) with zero suction and delivery heads. Watson-Marlow, Pumpsil, PureWeld XL, Bioprene and Marprene are trademarks of Watson-Marlow Limited. Disclaimer: The information contained in this document is believed to be correct but Watson-Marlow Limited accepts no liability for any errors it contains, and reserves the right to alter specifications without notice. GORE and STA-PURE are trademarks of W. L. Gore & Associates. Please state the product code when ordering pumps and tubing.

**WATSON  
MARLOW  
Pumps**

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