

521VI varmecha-controlled variable speed 30 - 60 psi pumps with 520REMC Loadsure® element pumphead

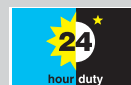
500series

Watson-Marlow Bredel

FEATURES

- Flow rates up to 30.1 gph (1900 ml/min) at 60psi (4 bar) peak pressure with 520 LoadSure® elements
- 520REMC pumphead features PPS (polyphenylene sulphide) track and rotor with stainless steel occlusion rollers to resist chemical attack and abrasive wear
- Heavy duty pumphead construction with impact proof safeguard
- Sprung rotor gently compresses tubing using large low friction rollers with sealed bearings, guaranteeing long tube life and accurate metering
- Fast and simple pumphead set-up using a clutched rotor for effortless element loading

2 – 4 bar
30 – 60 psi

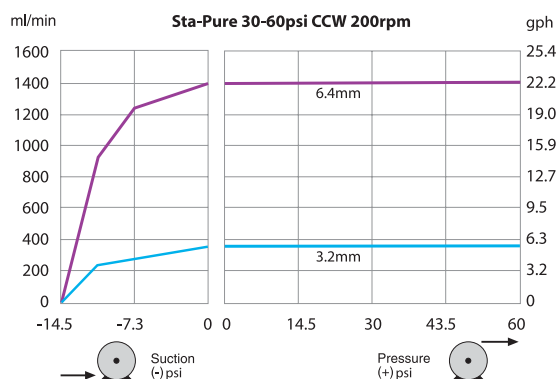
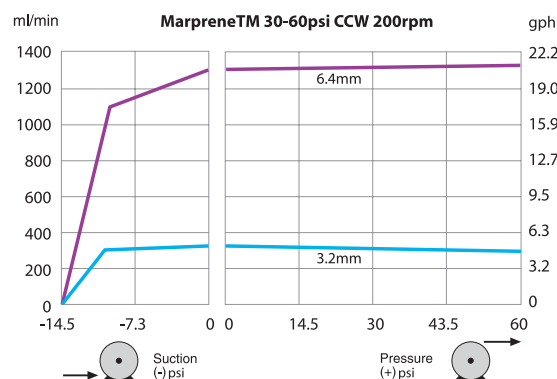


FUNCTIONALITY

Pump drives	521VI
2 speed options	•
Fitted with pre-configured integral frequency inverter	•
Start/stop forward/reverse keypad control	•
Potentiometer knob speed control	•
Analog or digital remote control options	•
Remote control features	•
Single phase 60Hz 110V supply to drive industrial IP55 rated 3 phase AC motor	•
Speed reduction 10:1	•
Optional baseplate kit	•

PERFORMANCE

LoadSure® Element tubing flow rates, ml/min(gph)			
Tube Material	Speed	3.2mm	6.4mm
Pumpsil, Sta-Pure, Chem-Sure, Neoprene	6-63rpm	11-110(0.2-1.7)	42-440(0.7-7.0)
	27-275rpm	48-480(0.8-7.6)	190-1900(3.0-30.1)
Marprene TL, Bioprene TL	6-63rpm	11-110(0.2-1.7)	42-420(0.6-6.7)
	27-275rpm	45-460(0.7-7.3)	180-1800(2.9-28.5)



To achieve 60psi pressure the pump must rotate counter-clockwise

DRAWINGS



521VI

SPECIFICATIONS

	521VI
Ingress rating	IP55 (optional IP65)
Pump weight	46lb 5oz
Control ratio	10:1
Noise	< 70dB(A) at 1m
Standard	CE, EN60529, UL E211799
Supply	110V 60Hz 1ph
Power	1/3HP

MATERIALS OF CONSTRUCTION

Component	Material
Motor	Cast aluminum alloy
Gearbox	Cast iron
Pumphead track	PPS (polyphenylene sulphide)
Guard - inner/outer	Polycarbonate
Guard seal	Neoprene
Rotor hub	Stainless steel 316
Roller arms, rotor cover	PPS (polyphenylene sulphide)
Rollers – main/guide	Stainless steel
Main roller bearings	Stainless steel
Drain port	PP (polypropylene)
Drain plug	Hytrell

ORDER INFORMATION

Pump and pumphead product codes

Description	Partcode	Description	Partcode
521VI/REMC 63rpm pump	053.8823.EM0	520REMC pumphead	053.1031.EM0
521VI/REMC 275rpm pump	053.8873.EM0	Leak detector	059.8111.000

Element product codes

	Industrial LoadSure® elements		Sanitary LoadSure® elements	
	Quick-release PVDF connectors		¾ in Sanitary PVDF connectors	
	3.2mm	6.4mm	3.2mm	6.4mm
Marprene TM	902.P032.PFQ	902.P064.PFQ		
Chem-Sure	965.M032.PFQ	965.M064.PFQ	965.M032.PFT	965.M064.PFT
Bioprene TM			903.P032.PFT	903.P064.PFT
Sta-Pure			960.M032.PFT	960.M064.PFT

All flow rates shown were obtained pumping water at 68F with zero suction and delivery heads. Watson-Marlow, 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. LoadSure is a trademark of Watson-Marlow Limited. ® Chem-Sure and ® STA-PURE are registered trademarks of W.L. Gore & Associates Inc. Pumpsil is a trademark of Watson-Marlow Limited. Please state the product code when ordering pumps and tubing.



Watson-Marlow-Bredel Pumps
37 Upton Technology Park
Wilmington, MA 01887
Tel: 800 282 8823 Fax: 978 658 0041
www.watson-marlow.com support@watson-marlow.com