# 620Di and 620DiN with Flexicon 620REH pumphead

620 series dispensing pumps

#### **Features and benefits**

- Keypad entry of flow from 0.001 L/min to 18 L/min
- Dispenses 500 ml to within ±0.5 % •
- Stores up to 50 dispensing programs •
- Up to 4 bar pressure
- 2650:1 control ratio (0.1 to 265 rpm speed range) •
- Digital speed adjustment with choice of 0.1 rpm, 0.5 rpm, 1 rpm, 2 rpm, 5 rpm and ٠ 10 rpm step changes
- Maintenance-free brushless DC motor
- Smooth easy-to-clean enclosure free from bug traps

#### 620Di and 620DiN with 620REH pumphead performance



Flow ranges (L/min)	LoadSur	'e™ element tubing	
(over 0.1 to 265rpm speed range)	620REH	(2 rollers)	
Tubing material	12mm		17mm
Marprene TM, Bioprene TM	0.003-8.3		0.004-11
Marprene TL, Bioprene TL	0.003-8.3		0.005-12
Pumpsil silicone	0.003-8.7		0.004-11
STA-PURE, Neoprene	0.003-9.0		0.010-13
620RE4 dose sizes			
Tube bore		12mm	17mm
Minimum possible dose		16ml	21ml
Minimum recommended		164ml	208ml

### **Technical specifications**

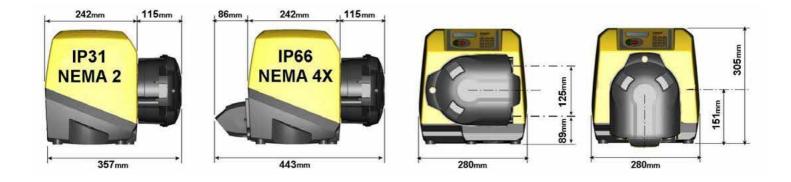
	620Di and 620DiN with 620REH pumphead
Filling volume range	Up to 500ml in 3.0s ml
Accuracy	±0.5 %
Ingress rating	IP31, IP66, NEMA 2, NEMA 4X
Operating temperature range	5 to 40 °C
Operating temperature range	40 to 104 °F
Speed control ratio	2650:1
Humidity	(Condensing) 10-100 % RH, (Non-condensing) 80 % up to 31 °C (88 °F) decreasing linearly to 50 % at 40 °C (104 °F)
Noise	<70dB(A) at 1m
Standards	CE, cETLus
Power supply	100-120 V, 200-240 V, 50/60 Hz, Single-phase
Weight	20.1 - 21 kg
Weight	44.3 - 46.3 lbs
Accessories	Footswitch, handswitch, RS232 cable, batch records cable
Compatible tubing size	12.0 mm ID, 12.7 mm ID, 15.9 mm ID, 17.0 mm ID, 6.4 mm ID, 9.6 mm ID



### Materials of construction

	620Di and 620DiN with 620REH pumphead
Bearings	Carbon steel
Casework	Pressure die-cast aluminium LM24, Pressure die-cast aluminium LM6
Keypad/HMI	Polyester
Pumphead roller assembly	Nylatron, Stainless steel

## 620Di and 620DiN with 620REH pumphead dimensions



### **Control options**

Functionality	620Di	620DiN
Enclosure - ingress protection rating	IP31	IP66
Manual control		
Digital speed control with simple calibration to display flow	√	<b>√</b>
Choice of flow rate display; metric or imperial units	<b>√</b>	~
Numeric keypad for entry of speed, flow or PIN code	✓	<b>√</b>
Remote control		
Run/stop, direction change, auto/manual mode, leak detector input (via contact closure or 5V TTL to 24V industrial logic)	√	~
Remote operation of dosing (foot/handswitch or logic input)	✓	~
Four programmable digital status outputs through 5V TTL to 24V industrial logic		~
Analogue speed feedback		
Tachometer output; 0-1478Hz	✓	~
Digital communication		
Digital network serial control RS232 RS485	RS232	RS485
Specialist dispensing functionality		
Drip control feature (momentary direction reverse at end of dose)	√	<b>√</b>
Ramp control to improve accuracy and avoid splashing or frothing	✓	~
Export of batch records to PC or printer for cGMP requirements RS232	RS232	
Dual operator/supervisor PIN code protection of pump settings	✓	~

#### **Product codes**

		Pumpheads	Pumpheads Accessories								
		620RE4 MkII head		E	Footswitch Handswitch RS232 c		RS232 cable	S232 cable Batch records cable			
Pumphead onl	only 063.4231.000		ru	Footswitch Handswite		un	KSZSZ Cable	Batch records	Batch records cable		
P31/NEMA	IEMA 2 wipe-down pumps		IP	IP31 IP31			IP31	IP31	IP31		
520Di		060.4171.E40*		05	059.3002.000 059.3022.000		00	059.3121.000	059.3125.000		
Replace 0 (plu	ug-less) with /	A, E or U for 2.8	8m American,	European or	UK mains plug						
P66/NEMA 4X wash-down pumps		IP	55								
520DiN		069.5231.000		n/a	n/a		-				
** Replace 0 (r	plug-less) with	n A for 2.8m Ar	merican mains	lead							
Tubing											
	Continuou	s tubing for	620R		Sanitary LoadSure™ elements (3/4″ Tri-clamp PVDF connectors)				Industrial LoadSur Groove PP connect	" Cam &	
	6.4mm	9.6mm	12.7mm	15.9mm	12mm		17mm		12mm	17mm	
STA-PURE	960.0064.032	960.0096.032	960.0127.032	960.0159.03	2 960.0120.PFT		960.0170.P	FT	—	—	
CHEM-SURE	965.0064.032	965.0096.032	965.0127.032	965.0159.03	2 965.0120.SST*		965.0170.S	ST*	-	-	
Bioprene TM	-	-	-	—	903.P120.PFT		903.P170.P	FT	—	—	
Bioprene TL	903.0064.032	903.0096.032	903.0127.032	903.0159.03	2 903.0120.PFT		903.0170.P	FT	—	—	
Marprene TM	-	-	-	—	—		-		902.P120.PPC	902.P170.PP0	C
Marprene TL	902.0064.032	902.0096.032	902.0127.032	902.0159.03	2 –		-		902.0120.PPC	902.0170.PP0	2
		012 4000 022	913 4127 032	913 A159 03	2 913.A120.PFT		913.A170.F	FT	913.A120.PPC	913.A170.PP	c
Pumpsil silicone	913.A064.032	913.A096.032	515.A127.052	5150 (155165							-
silicone		920.0096.032			2 —		_		920.0120.PPC	920.0170.PPC	

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