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

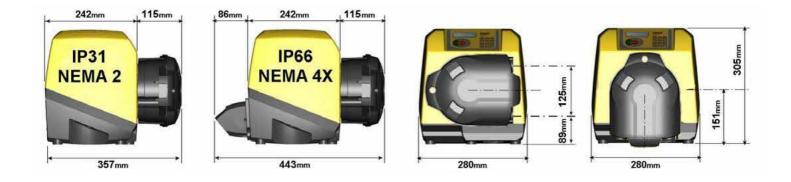
	620Di and 620DiN with 620REH pumphead
Filling volume range	Up to 500ml in 3.0s ml
Accuracy	±0.5 %
Ingress rating	IP31, IP66, NEMA 2, NEMA 4X
Operating temperature range	5 to 40 °C
Operating temperature range	40 to 104 °F
Speed control ratio	2650:1
Humidity	(Condensing) 10-100 % RH, (Non-condensing) 80 % 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	√	√
Choice of flow rate display; metric or imperial units	√	~
Numeric keypad for entry of speed, flow or PIN code	✓	√
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)	√	√
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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