620Di and 620DiN with Flexicon 620RE pumphead

620 series dispensing pumps

Features and benefits

- Keypad entry of flow from 0.00026 GPM (0.001 L/min) to 4.76 GPM (18 L/min) •
- Dispenses 16.91 fl oz (500 ml) to within ±0.5 % •
- Stores up to 50 dispensing programs •
- Up to 60 psi (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 • 10 rpm step changes
- Maintenance-free brushless DC motor
- Smooth easy-to-clean enclosure free from bug traps

620Di and 620DiN with 620RE pumphead performance



Flow ranges (L/min)	LoadSure™ element tubing 620RE (2 rollers)				
(over 0.1 to 265rpm speed range)					
Tubing material	12mm			17mm	
Marprene TM, Bioprene TM	0.004-9.8			0.01-16	
Marprene TL, Bioprene TL	0.004-9.8	4-9.8 C		0.01-18	
Pumpsil silicone	0.004-10			0.01-16	
STA-PURE, Neoprene	0.004-11			0.01-18	
620RE dose sizes					
Tube bore		12mm		17mm	
Minimum possible dose		19ml		30ml	
Minimum recommended		189ml		302ml	

Technical specifications

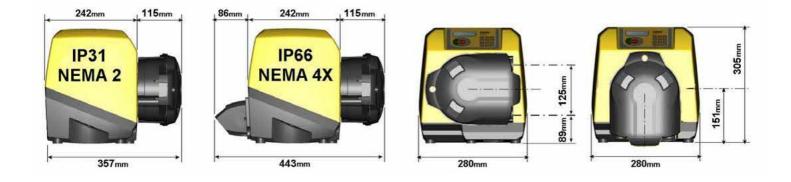
	620Di and 620DiN with 620RE pumphead						
Filling volume range	Up to 500ml in 3.0s ml						
Accuracy	±0.5 %						
Ingress rating	IP31, IP66, NEMA 2, NEMA 4X						
Operating temperature range	5 to 40 °C						
Operating temperature range	40 to 104 °F						
Speed control ratio	2650:1						
Humidity	(Condensing) 10-100% RH, (Non-condensing) 80% up to 31°C (88°F), decreasing linearly to 50% at 40C (104F)						
Noise	<70dB(A) at 1m						
Standards	CE, cETLus						
Power supply	100-120 V, 200-240 V, 50/60 Hz, Single-phase						
Weight	19.6 - 20.5 kg						
Weight	43.2 - 45.2 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 620RE pumphead				
Bearings	Carbon steel				
Casework	Pressure die-cast aluminum LM24, Pressure die-cast aluminum LM6				
Keypad/HMI	Polyester				
Pumphead roller assembly	Nylatron, Stainless steel				

620Di and 620DiN with 620RE pumphead dimensions



Control options

Functionality	620Di	620DiN				
Enclosure - ingress protection rating						
Manual control						
Digital speed control with simple calibration to display flow	√	√				
Choice of flow rate display; metric or imperial units	✓	~				
lumeric 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			A	Accessories						
		620RE MkII head		E	Footswitch Handswitch RS232 cable		RS232 cable	ble Batch records cable			
Pumphead or				-ootswitch Handswitch		.cn	K3232 Cable	Batchirecorus	Batch records cable		
IP31/NEMA 2 wipe-down pumps			IF	P31 IP31			IP31	IP31	IP31		
620Di		060.4171.E20	*	05	059.3002.000 059.3022.000		0	059.3121.000	059.3125.000	059.3125.000	
*Replace 0 (pl	lug-less) with A	A, E or U for 2.8	8m American,	European or	UK mains plug						
IP66/NEMA 4X wash-down pumps			IF	55							
520DiN	20DiN 060.417N.E20**		06	9.5231.000 n/a			n/a	—			
** Replace 0 ((plug-less) with	n A for 2.8m Ar	nerican mains	lead							
Tubing											
	Continuou	s tubing for	620R		Sanitary LoadSure™ elements (3/4" Tri-clamp PVDF connectors)				Industrial LoadSu Groove PP connec	" 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	32 965.0120.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	32 903.0120.PFT		903.0170.P	FT	_	—	
Marprene TM	_	—	_	—	—		-		902.P120.PPC	902.P170.PP	C
Marprene TL	902.0064.032	902.0096.032	902.0127.032	902.0159.03	32 —		-		902.0120.PPC	902.0170.PP	5
Pumpsil silicone	913.A064.032	913.A096.032	913.A127.032	913.A159.03	32 913.A120.PFT		913.A170.F	FT	913.A120.PPC	913.A170.PP	C
leoprene	920.0064.032	920.0096.032	920.0127.032	920.0159.03	32 —		-		920.0120.PPC	920.0170.PP	2
PVC	950.0064.032	950.0096.032	950.0127.032	950.0159.03	32 —		-		-	-	
-	1.115		, Bioprene TM						*SST = sanitary stainle		

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