620Di and 620DiN with Flexicon 620R 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 10 rpm step changes
- Maintenance-free brushless DC motor
- Smooth easy-to-clean enclosure free from bug traps

620Di and 620DiN with 620R pumphead performance



				Continuous tubing 620R (2 rollers)					
Marprene TL, Bioprene TL				0.003-6.6	0.004-11	0.01-12			
Pumpsil silicone				0.003-7.2	0.004-11	0.01-15			
STA-PURE, Neoprene	0.001-3.2	0.003-6.6	0.004-11	0.01-16					
Dose sizes									
Tube bore	6.4mm (1/4")	9.6mm (3	/8")	/8") 12.7mm (1/2")		15.9mm (5/8")			
Minimum possible dose	6ml	14ml		21ml		28ml			
Minimum recommended	60ml	136ml		208ml		283ml			

Technical specifications

	620Di and 620DiN with 620R 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	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						

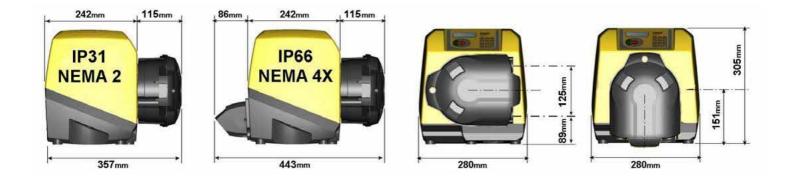




Materials of construction

	620Di and 620DiN with 620R 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 620R 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			Accessories						
		620R MkII head		E	Footswitch Handswitch RS232 cabl		RS232 cable	Batch records cable			
Pumphead or			-ootswitch Handswitc			K3232 Cable	Batchilecolus	Batch records cable			
IP31/NEMA	2 wipe-dov	/n pumps		I	31 IP31			IP31	IP31		
620Di			05	059.3002.000 059.3022.000		0 059.3121.000		059.3125.000			
*Replace 0 (pl	lug-less) with A	A, E or U for 2.8	3m American,	European oi	UK mains plug						
IP66/NEMA 4X wash-down pumps				I	255						
620DiN 060.417N.020**		06	9.5231.000 n/a			n/a	—	1-			
** Replace 0 ((plug-less) with	n A for 2.8m Ar	nerican mains	lead				•			
Tubing											
	Continuou	s tubing			Sanitary LoadSure™ elements (3/4" Tri-clamp PVDF connectors)			Industrial LoadSure™ elements (3/4" Cam Groove PP connectors)			
	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	с
Marprene TL	902.0064.032	902.0096.032	902.0127.032	902.0159.03	32 —		-		902.0120.PPC	902.0170.PP	с
Pumpsil silicone	913.A064.032	913.A096.032	913.A127.032	913.A159.0	32 913.A120.PFT		913.A170.F	FT	913.A120.PPC	913.A170.PP	С
Veoprene	920.0064.032	920.0096.032	920.0127.032	920.0159.03	32 —		-		920.0120.PPC	920.0170.PP	С
PVC	950.0064.032	950.0096.032	950.0127.032	950.0159.03	32 —		-		-	-	
	•		e, Bioprene TN							ess steel connectors	

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