# 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						

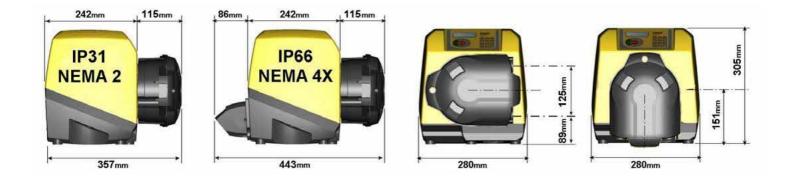




# Materials of construction

	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	√	<b>√</b>
Choice of flow rate display; metric or imperial units	✓	~
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			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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