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

Flow ranges (L/min)	LoadSu	LoadSure™ element tubing			
(over 0.1 to 265rpm speed range) 620REH (2 rollers)					
ubing material 1		12mm 17		mm	
Marprene TM, Bioprene TM	0.003-8.	.3	0.0	04-11	
Marprene TL, Bioprene TL	0.003-8.	.3	0.0	05-12	
Pumpsil silicone	0.003-8.	0.003-8.7		004-11	
STA-PURE, Neoprene	0.003-9.	0.003-9.0		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 40C (104F)
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**

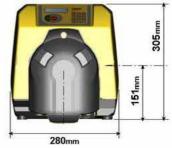
	620Di and 620DiN with 620REH pumphead		
Bearings	Carbon steel		
Casework	Pressure die-cast aluminum LM24, Pressure die-cast aluminum LM6		
Keypad/HMI	Polyester		
Pumphead roller assembly	Nylatron, Stainless steel		

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









### **Control options**

Functionality	620Di	620DiN				
Enclosure - ingress protection rating	IP31	IP66				
Manual control	<u> </u>					
Digital speed control with simple calibration to display flow	<b>√</b>	<b>✓</b>				
Choice of flow rate display; metric or imperial units	<b>✓</b>	<b>✓</b>				
Numeric keypad for entry of speed, flow or PIN code	<b>√</b>	<b>✓</b>				
Remote control						
Run/stop, direction change, auto/manual mode, leak detector input (via contact closure or 5V TTL to 24V industrial logic)	✓	<b>✓</b>				
Remote operation of dosing (foot/handswitch or logic input)	<b>√</b>	<b>✓</b>				
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>	<b>✓</b>				
ntrol 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	Accessories			
	620RE4 MkII head	Footswitch Handsw	Handswitch	RS232 cable	Batch records cable	
Pumphead only	063.4231.000	FOOLSWILLII	Halluswitti	K3232 Cable	Batch records cable	-
IP31/NEMA 2 wipe-o	MA 2 wipe-down pumps		IP31	IP31	IP31	
620Di	060.4171.E40*	059.3002.000	059.3022.000	059.3121.000	059.3125.000	
*Replace 0 (plug-less) w	ith A, E or U for 2.8m American, Europe	an or UK mains plug				
IP66/NEMA 4X wash-down pumps		IP55				
620DiN	060.4171.E40**	069.5231.000	n/a	n/a	_	
** Replace 0 (plug-less)	with A for 2.8m American mains lead					

Tubing									
	Continuous tubing for 620R				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	960.0159.032	960.0120.PFT	960.0170.PFT	_	_	
CHEM-SURE	965.0064.032	965.0096.032	965.0127.032	965.0159.032	965.0120.SST*	965.0170.SST*	<u> </u>	_	
Bioprene TM	_	_	_	_	903.P120.PFT	903.P170.PFT	<u> </u>	_	
Bioprene TL	903.0064.032	903.0096.032	903.0127.032	903.0159.032	903.0120.PFT	903.0170.PFT	_	_	
Marprene TM	_	_	_	_	_	_	902.P120.PPC	902.P170.PPC	
Marprene TL	902.0064.032	902.0096.032	902.0127.032	902.0159.032	_	_	902.0120.PPC	902.0170.PPC	
Pumpsil silicone	913.A064.032	913.A096.032	913.A127.032	913.A159.032	913.A120.PFT	913.A170.PFT	913.A120.PPC	913.A170.PPC	
Neoprene	920.0064.032	920.0096.032	920.0127.032	920.0159.032	_	_	920.0120.PPC	920.0170.PPC	
PVC	950.0064.032	950.0096.032	950.0127.032	950.0159.032	_	_	-	_	
NB: 4 bar pres	sure capabilit	y with Sta-Pure	e, Bioprene TM	l and Marpren	e TM		*SST = sanitary stainless steel connectors		

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