

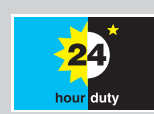
620Di and 620DiN dispensing pumps with 620L and 620LG pumpheads

600series

Flexicon Liquid Filling

FEATURES AND BENEFITS

- Keypad entry of flow from 0.002 L/min to 12.4 L/min
- Dispenses 500ml to within +/- 0.5% in 2.4 seconds
- Stores up to 50 dispensing programs
- 4 bar pressure with 620LG pumphead
- 2650:1 control ratio (0.1 to 265rpm speed range)
- Digital speed adjustment with choice of 0.1rpm, 0.5rpm, 1rpm, 2rpm, 5rpm and 10rpm step changes
- Maintenance-free brushless DC motor
- Smooth easy-to-clean enclosure free from bug traps
- Wireless pumphead track switching



Flexicon...Filled with experience

TECHNICAL DATA

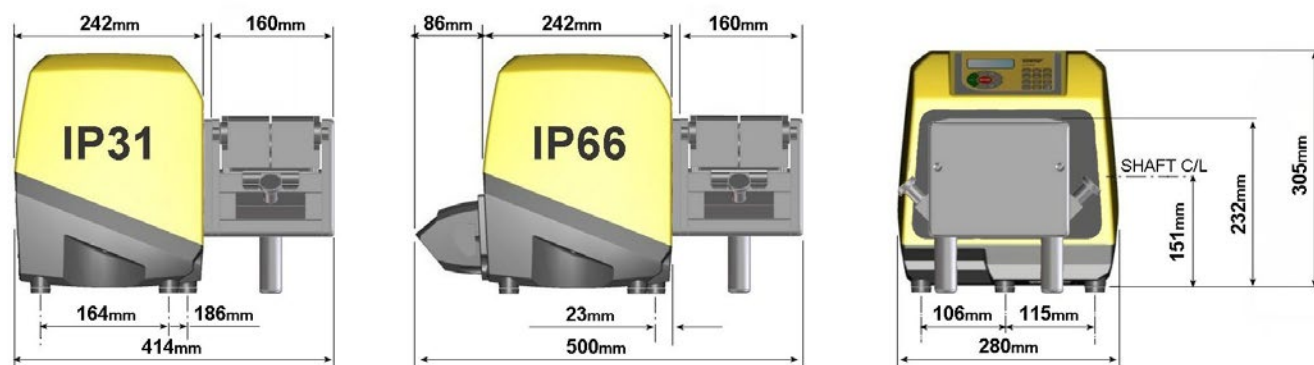
Functionality	620Di	620DiN
Enclosure - ingress protection rating		
Manual control		
Digital speed control with simple calibration to display flow	•	•
Choice of flow rate display; metric or imperial units	•	•
Numeric keypad for entry of speed, flow or PIN code	•	•
Remote control		
Run/stop, direction 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	•	•

620L dose sizes			
Tube bore	8.0mm	12.0mm	16.0mm
Minimum possible dose	8ml	16ml	22ml
Minimum recommended	84ml	161ml	218ml
620LG dose sizes (STA-PURE PCS®, STA-PURE PFL®)			
Tube bore	8.0mm	12.0mm	16.0mm
Minimum possible dose	10ml	17ml	23ml
Minimum recommended	99ml	167ml	234ml

PERFORMANCE

Flow ranges (L/min)	Y element tubing			Continuous tubing		
(over 0.1 to 265rpm speed range)	(single channel)			(flow per channel - max of 2 channels)		
Tubing material	8.0mm	12.0mm	16.0mm	8.0mm	12.0mm	16.0mm
Pumpsil silicone	0.002-4.6	0.003-8.5	0.005-11.5	0.001-2.3	0.002-4.3	0.003-5.8
Marprene, Bioprene	0.002-4.6	0.003-8.5	0.005-11.5	0.001-2.3	0.002-4.3	0.003-5.8
Neoprene	0.002-4.6	0.003-8.5	0.005-12.6	0.001-2.3	0.002-4.3	0.003-6.3
STA-PURE PCS (620LG pumphead only)	0.002-5.2	0.003-9.0	0.005-12.4	0.001-2.6	0.002-4.5	0.003-6.2

DIMENSIONS



TECHNICAL SPECIFICATIONS

	620Di	620DiN
Ingress rating	IP31 / NEMA 2	IP66 / NEMA 4X
Enclosure	Wipedown, vented	Watertight, dustproof
Suitability	Dry industrial environments with noncorrosive atmospheres	Corrosion resistant for heavy industrial environments
Humidity	(Non-condensing) 80% to 31C, 88F, decreasing linearly to 50% at 40C, 104F	(Condensing) 10-100% RH
Temperature	5C to 40C (40F to 104F)	5C to 40C (40F to 104F)
Pump weight	24.3kg (53lb 9oz)	25.2kg (55lb 9oz)
Control ratio	2650:1	2650:1
Power/Torque	250VA consumption/ 6Nm, torque rating	250VA consumption/ 6Nm, torque rating
Noise	< 70dB(A) at 1m	< 70dB(A) at 1m
Standards	CE, CETLUS	CE, CETLUS
Power supply	100-120V/200-240V, 1ph, 50/60Hz	100-120V/200-240V, 1ph, 50/60Hz

MATERIALS OF CONSTRUCTION

Component	Material
Drive casework	Pressure die-cast aluminium LM24
Casework coating	Alocrom pre-treatment, exterior grade polyester powder coat
Keypad	Polyester
Switch plate	Glass ABS plastic
Rear blanking plate	Stainless steel 304
Gearbox nose	Aluminium LM24M
Drive shaft	Electroless nickel plated carbon steel
Track	Aluminium
Rotor	Aluminium
Rollers	Stainless steel
Springs, spindles	Stainless steel
Roller bearings	Carbon steel
Cradle	Aluminium alloy

ORDER INFORMATION

Product codes						
	620L pumphead	620LG pumphead	Accessories			
Pumphead only	063.4603.000	063.4623.000	Footswitch	Handswitch	RS232 cable	Batch records cable
IP31/NEMA 2 wipe-down pumps			IP31	IP31	IP31	IP31
620Di	060.4171.5L0*	060.4171.5G0*	059.3002.000	059.3022.000	059.3121.000	059.3125.000
* Replace 0 (plug-less) with A, E or U for 2.8m American, European or UK mains plug						
IP66/NEMA 4X wash-down pumps			IP55			IP65
620DiN	060.417N.5L0**	060.417N.5G0**	069.5231.000	n/a	n/a	059.450N.520
** Replace 0 (plug-less) with A for 2.8m American mains lead						

	Y element tubing			Continuous tubing		
Bore size (4.0mm wall thickness)	8.0mm	12.0mm	16.0mm	8.0mm	12.0mm	16.0mm
Tubing material						
Pumpsil silicone	913.AE80.K40	913.A12E.K40	913.A16E.040	913.A080.040	913.A120.040	913.A160.040
Marprene	902.E080.K40	902.E120.K40	902.E160.040	902.0080.040	902.A120.040	902.0160.040
Bioprene	933.E080.K40	933.E120.K40	933.E160.040	933.0080.040	933.A120.040	933.0160.040
Neoprene	920.E080.K40	920.E120.K40	920.E160.040	920.0080.040	920.A120.040	920.0160.040
STA-PURE PCS (for 620LG pumphead)	960.E080.K40	960.E120.K40	960.E160.040			
STA-PURE PFL (for 620LG pumphead)	965.E080.K40	965.E120.K40	965.E160.040			
				Clamp set for continuous tube		069.4001.000

NB: 4 bar pressure capability with STA-PURE PCS elements (620LG pumphead only)

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Liquid Filling

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