



Improving your PERFORMANCE

323Dz/4D general purpose dispensing pump

Technical information and features

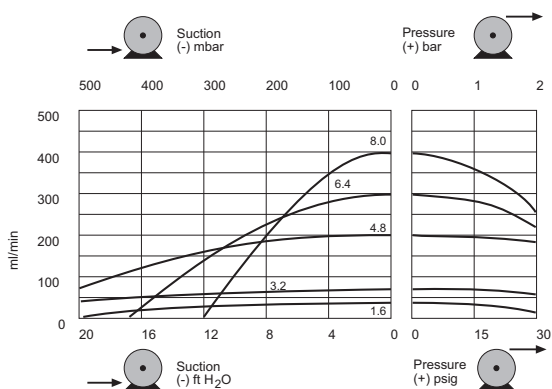
- Flow rates from 0.6ml/min to 1600ml/min
- High-accuracy microprocessor control within $\pm 1.0\%$
- Zero maintenance brushless DC motor
- Menu driven calibration procedure with mid-batch re-calibration possible at any time
- Adjustable speed 'ramp' reduces splashing and frothing
- Non-drip function eliminates drips at dose end
- Selectable dual voltage operation 100-120V/220-240V
- Dispensing by keypress or a remote footswitch/handswitch
- Fitted with four roller 314D pumphead with flip-top design, ensuring ultra-fast set-up, improved accuracy and low pulsation
- Snapfit extension pumpheads provide up to six channels

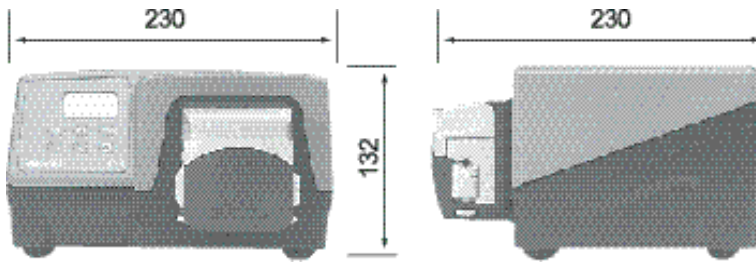


Flow rate and dose size ranges

		Tube bore - flow rates and dose size capabilities				
		1.6mm	3.2mm	4.8mm	6.4mm	8.0mm
323Dz/4D	Flow rates (ml/min)	0.5-100	1.7-340	3.8-760	6-1200	8-1600
2.0 - 400rpm	Minimum recommended dose (ml)	1.4	5.0	11.0	18.0	25.0

		Dose size - using 323Dz/4D at 400rpm				
		Accuracy	10ml	25ml	50ml	100ml
Recommended tube bore	High	1.6mm	3.2mm	4.8mm	8.0mm	8.0mm
Approximate dose time - seconds	High	6	4.4	3.9	3.8	9.4
Recommended tube bore	Normal	3.2mm	4.8mm	8.0mm	8.0mm	8.0mm
Approximate dose time - seconds	Normal	1.8	2.0	1.9	3.8	9.4





323Dz/4D general purpose dispensing pump

Product codes		
323Dz	Drive only	036.3184.000*
314DW	4 roller extension pumphead for 1.6mm wall tube	033.4451.000
314X	4 roller extension pumphead for 1.6mm wall tube (maximum five)	033.4431.000

*Replace last 0 with A, E or U for American, European or UK mains supply (American 110V 1ph 60Hz)
If required for use with STA-PURE and Chem-Sure tubing, please contact Watson-Marlow Breidel technical support for drive and pumphead selection

Bore/wall (mm)	Bioprene	Marprene	Platinum Silicone	PVC
1.6 / 1.6	903.0016.016	902.0016.016	913.A016.016	950.0016.016
3.2 / 1.6	903.0032.016	902.0032.016	913.A032.016	950.0032.016
4.8 / 1.6	903.0048.016	902.0048.016	913.A048.016	950.0048.016
6.4 / 1.6	903.0064.016	902.0064.016	913.A064.016	950.0064.016
8.0 / 1.6	903.0080.016	902.0080.016	913.A080.016	950.0080.016
Bore/wall (mm)	Neoprene	STA-PURE®	Chem-Sure®	Fluorel®
1.6 / 1.6	920.0016.016	960.0016.016	965.0016.016	970.0016.016
3.2 / 1.6	920.0032.016	960.0032.016	965.0032.016	970.0032.016
4.8 / 1.6	920.0048.016	960.0048.016	965.0048.016	970.0048.016
6.4 / 1.6	920.0064.016	960.0064.016	965.0064.016	970.0064.016
8.0 / 1.6	920.0080.016	960.0080.016	965.0080.016	970.0080.016

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© STA-PURE et Chem-Sure are registered trademarks of W.L Gore & Associates Inc.
Please state the product code when ordering pumps and tubing.
2.4mm wall tubing and compatible pumpheads also available for more viscous fluids

Specification

Weight	4.7kg
Operational temperature range	5°C to 40°C
Noise	<70dBA at 1m
Control ratio	200:1
Standards	CE, EN60529 (IP31)
Supply	1ph, 100-120V, 220-240V 50/60Hz, 100VA

Materials of construction

Drive	
Drive base	Powder coated aluminium coating
Drive top	Self-coloured ABS plastic
Pumphead	
Body rear	Glass filled polypropylene
Body front, body front extension	IXEF
Mounting plate, track and lever	IXEF
Rotor, tube clamp	Glass filled Nylon
Mounting plate locking tab	Glass filled Nylon
Rollers	MoS2 filled Nylon 6 (Nylatron)
Spindles	Electroless nickel plated, hardened steel
Fixings	Stainless steel
Bearings	Carbon steel - main shaft Sintered bronze - rollers



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