

114 pumphead

Technical information and features

- Small size, compact and robust design
- Trouble-free continuous tube loading in seconds
- Reliable performance without any operator adjustments
- Automatic tube stretch for high accuracy and repetitive flow
- Safe and closed with visible rotor movement
- Gentle spring-loaded operation for long tube life and pressure control
- Four roller pumphead, low pulsation
- Up to 340ml/min continuous flow
- Universal drive connection for drive shafts from Ø6 to Ø10mm



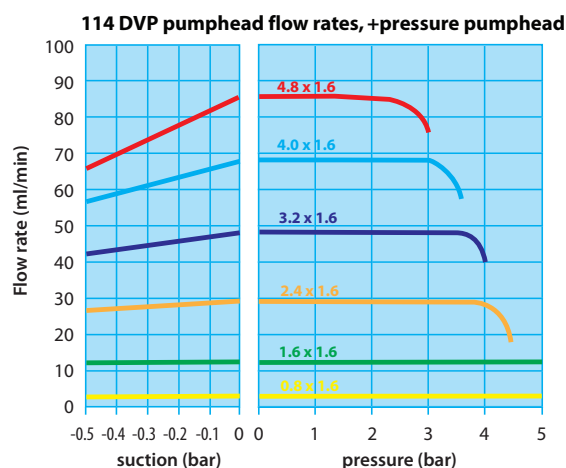
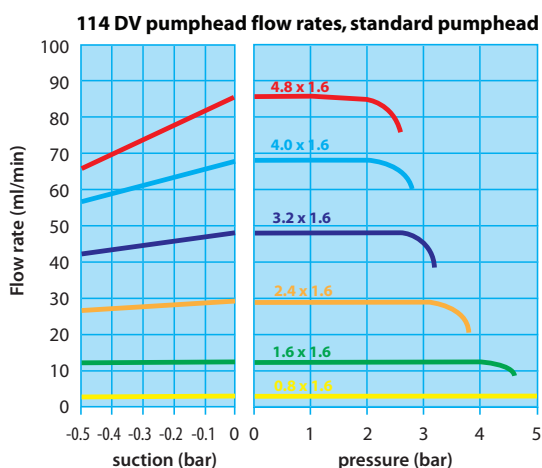
Flow rates (ml/min) Tubing 1.6mm wall

Tube bore (mm)	Speed (rpm)			
	(ml/rev)	100	400	600 (intermittent)
0.5	0.013	1.3	5.2	7.8
0.8	0.035	3.5	14	21
1.6	0.135	13.5	54	81
2.4	0.29	29	115	175
3.2	0.48	48	190	290
4.0	0.68	68	270	410
4.8	0.85	85	340	510

Options

- Custom colours
- Models for use with smaller wall tubing
- Logic off-switch
- Rotation sensor
- Logo-less front
- Several drive options
- No rotation visibility

Pressure performance



flows obtained pumping water at 100rpm at constant delivery pressure using Marprene tubing

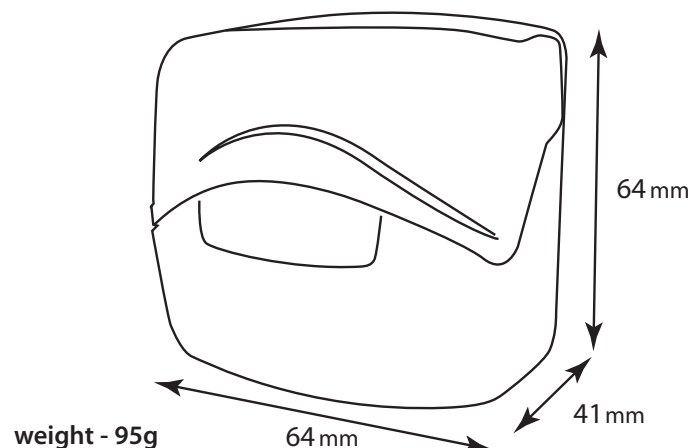
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Materials of construction

Component	Material
Description	Part
Housing	IXEF PEI
Rotor	IXEF PEI
Rollers	PTFE filled PBT
Bearings	Stainless steel ball bearings
Shafts	Stainless steel
Springs	Stainless steel

Order information

Product codes	
Description	Partcode
114DV standard pumphead	013.5000.00A
114DVP +pressure pumphead	013.5000.P0A



Tube ordering codes for 114DV and 114DVP pumpheads					
Bore/wall	Pumpsil	Marpene	Bioprene	Chem-Sure	Tygon R3603*
0.5/1.6mm	913.A005.016	902.0005.016	903.0005.016		
0.8/1.6mm	913.A008.016	902.0008.016	903.0008.016		
1.6/1.6mm	913.A016.016	902.0016.016	903.0016.016	965.0016.016	950.0016.016
2.4/1.6mm	913.A024.016	902.0024.016	903.0024.016		
3.2/1.6mm	913.A032.016	902.0032.016	903.0032.016	965.0032.016	950.0032.016
4.0/1.6mm			903.0040.016		950.0040.016
4.8/1.6mm	913.A048.016	902.0048.016	903.0048.016	965.0048.016	950.0048.016
Bore/wall	Neoprene*	Sta-Pure	Fluorel*	Tygon LFL	
0.5/1.6mm					
0.8/1.6mm	920.0008.016			951.0008.016	
1.6/1.6mm	920.0016.016	960.0016.016	970.0016.016	951.0016.016	
2.4/1.6mm					
3.2/1.6mm	920.0032.016	960.0032.016	970.0032.016	951.0032.016	
4.0/1.6mm					
4.8/1.6mm	920.0048.016	960.0048.016	970.0048.016	951.0048.016	

*recommended for 114DVP +pressure pumphead only

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