

400/A

Standard tube elements

400

series

Watson-Marlow Pumps

FEATURES AND BENEFITS

- Correct and easier tube loading – every time
- Optimised tube life
- Increased flow performance
- Kynar® - chemical resistant tube fittings

Correct tube positioning in the pump combined with correct tube stretch is very important to optimise tube life and flow consistency. The use of tube elements ensures correct tube loading each time. Especially suitable if the tube replacement is handled by personnel unfamiliar with peristaltic pumps.



Watson-Marlow...Innovation in Full Flow

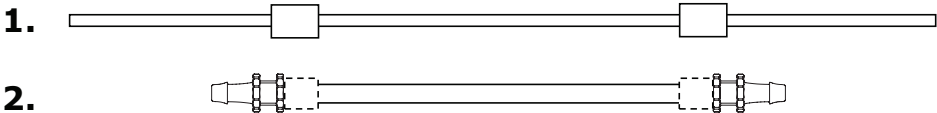
SPECIFICATION

	Santoprene		PVC		Silicone	
	Design 1	Design 2	Design 1	Design 2	Design 1	Design 2
Sterilisation						
Gas	N/T	•	•	•	•	•
Radiation	N/T	•			•	•
Approvals						
USP VI	•	•			•	•
FDA 21	•	•	•	•	•	•
NSF 51	•	•			•	•
ISO10993	•				•	

N/T = Not tested

DIMENSIONS

Design



1. Comes with glued stoppers. It has no connection fittings.
The design is used for the smallest bore tubing which can not be used with standard fittings.
Outer Ø=ID+1.7mm. Length outside the pump is approximately 60mm on each side.
2. Uses the fitting itself, or in some cases a small piece of tubing as support in the pumphead.
Connects to transfer tubing with 2.0-2.4mm

ORDER INFORMATION

Tube ordering codes for 400/A pumphead

PVC tube elements				
ID mm	Bridge distance (mm)	Track	Product code	Design
0.13	52	+ pressure	049.ET0A.013	1
0.25	52	+ pressure	049.ET0A.025	1
0.38	52	+ pressure	049.ET0A.038	1
0.44	52	+ pressure	049.ET0A.044	1
0.51	52	+ pressure	049.ET0A.051	1
0.57	52	+ pressure	049.ET0A.057	1
0.64	52	+ pressure	049.ET0A.064	1
0.76	52	+ pressure	049.ET0A.076	1
0.89	52	+ pressure	049.ET0A.089	1
0.95	52	+ pressure	049.ET0A.095	2
1.02	52	+ pressure	049.ET0A.102	2
1.09	52	+ pressure	049.ETJA.109	2
1.14	52	+ pressure	049.ETJA.114	2
1.22	52	+ pressure	049.ETJA.122	2
1.30	52	+ pressure	049.ETJA.130	2
1.42	52	+ pressure	049.ETJA.142	2
1.52	52	+ pressure	049.ETJA.152	2
1.65	52	+ pressure	049.ETJA.165	2
1.75	52	+ pressure	049.ETJA.175	2
1.85	52	+ pressure	049.ETJA.185	2
2.06	52	+ pressure	049.ETJA.206	2

Tube ordering codes for 400/A pumphead

Santoprene® tube elements				
ID mm	Bridge distance (mm)	Track	Product code	Design
0.25	52	standard	049.EF0A.025	1
0.38	52	standard	049.EF0A.038	1
0.51	52	standard	049.EF0A.051	1
0.64	52	standard	049.EF0A.064	1
0.76	52	standard	049.EF0A.076	1
0.89	52	standard	049.EF0A.089	1
1.02	52	+ pressure / standard	049.EFJA.102	2
1.14	52	+ pressure / standard	049.EFJA.114	2
1.30	52	+ pressure / standard	049.EFJA.130	2
1.42	52	+ pressure / standard	049.EFJA.142	2
1.52	52	+ pressure	049.EFJA.152	2
1.65	52	+ pressure	049.EFJA.165	2
1.85	52	+ pressure	049.EFJA.185	2
2.06	52	+ pressure	049.EFJA.206	2

Tube ordering codes for 400/A pumphead

Silicone tube elements				
ID mm	Bridge distance (mm)	Track	Product code	Design
0.51	52	standard	049.EB0A.051	1
0.64	52	standard	049.EB0A.064	1
0.76	52	standard	049.EB0A.076	1
0.89	52	standard	049.EB0A.089	1
1.02	52	standard	049.EBJA.102	2
1.14	52	standard	049.EBJA.114	2
1.30	52	standard	049.EBJA.130	2
1.42	52	standard	049.EBJA.142	2
1.52	52	+ pressure	049.EBJA.152	2
1.65	52	+ pressure	049.EBJA.165	2
1.85	52	+ pressure	049.EBJA.185	2
2.06	52	+ pressure	049.EBJA.206	2

Recommended track position

The track position column tells you if the tube element is suitable for the standard pumphead track or if the higher occlusion - +pressure model shall be used. (+pressure pumps are marked with a '5' on the track)

Not recommended combinations:

Standard pumphead used with a high pressure tubing could lead to priming problems and limitation of pump pressure.

+Pressure pumphead used with a standard tubing limit the tube life and reduce the flow accuracy.
Note: This combination could be used in high pressure applications.

All flow rates shown were obtained pumping water at 20C (68F) with zero suction and delivery heads. Watson-Marlow, Bioprene and Marprene are trademarks of Watson-Marlow Limited. Disclaimer: The information contained in this document is believed to be correct but Watson-Marlow Limited accepts no liability for any errors it contains, and reserves the right to alter specifications without notice. LoadSure is a trademark of Watson-Marlow Limited. © STA-PURE PFL and © STA-PURE PCS are registered trademarks of W.L Gore & Associates Inc. Please state the product code when ordering pumps and tubing.



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