

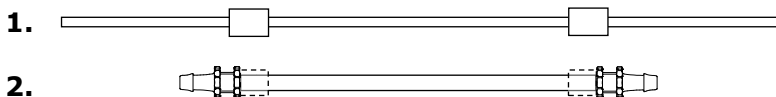
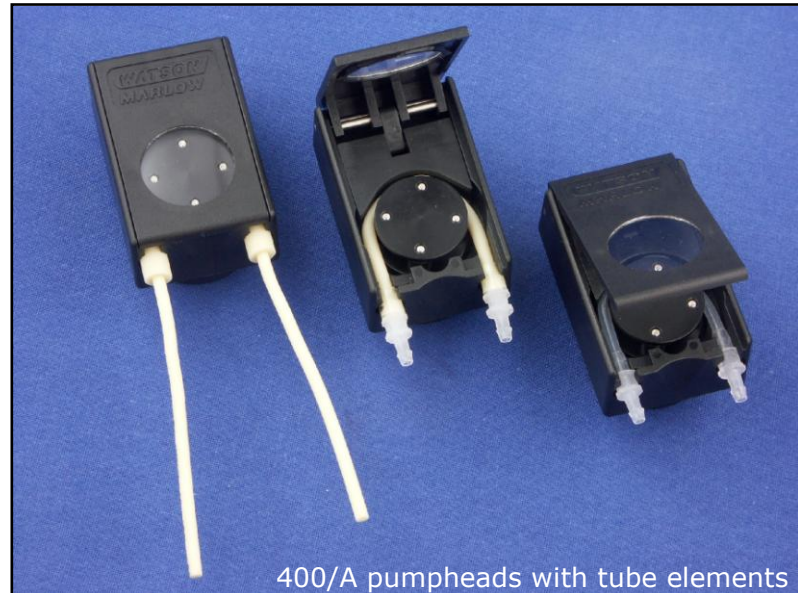
OEM

**WATSON
MARLOW**
Alitea

400/A Standard tube elements

- ➔ Easier tube loading
- ➔ Optimised tube life
- ➔ More accurate flow performance
- ➔ Highly chemical resistant Kynar® tube fittings
- ➔ Autoclave able

Correct positioning of the tube in the pump and correct tube stretch is very important for reliable tube life and flow consistency. The use of tube elements ensures correct tube loading each time. Especially if tube replacement is handled by personnel not so familiar with peristaltic pumps it is the way to go.



The elements come in two different designs.

#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 $\varnothing = ID + 1,7\text{mm}$. 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 ID 2,0 – 2,4mm

Customised Solutions

If you don't find exactly what you are looking for in this data sheet a customised product could be the solution.

These tube elements can be supplied in alternative materials, in alternative lengths with alternative fittings, colour coded etc.

Santoprene® tube elements			
ID[mm]	Product code	Rec. track	Design
0,25	049.EF0A.025	standard	1
0,38	049.EF0A.038	standard	1
0,51	049.EF0A.051	standard	1
0,64	049.EF0A.064	standard	1
0,76	049.EF0A.076	standard	1
0,89	049.EF0A.089	standard	1
1,02	049.EFJA.102	standard	2
1,14	049.EFJA.114	standard	2
1,30	049.EFJA.130	standard	2
1,42	049.EFJA.142	standard	2
1,52	049.EFJA.152	+ pressure	2
1,65*	049.EFJA.165	+ pressure	2
1,85*	049.EFJA.185	+ pressure	2
2,06*	049.EFJA.206	+ pressure	2

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PVC tube elements			
ID[mm]	Product code	Rec. track	Design
0,13	049.ET0A.013	+ pressure	1
0,25	049.ET0A.025	+ pressure	1
0,38	049.ET0A.038	+ pressure	1
0,44	049.ET0A.044	+ pressure	1
0,51	049.ET0A.051	+ pressure	1
0,57	049.ET0A.057	+ pressure	1
0,64	049.ET0A.064	+ pressure	1
0,76	049.ET0A.076	+ pressure	1
0,89	049.ET0A.089	+ pressure	1
0,95	049.ET0A.095	+ pressure	1
1,02	049.ET0A.102	+ pressure	1
1,09	049.ETJA.109	+ pressure	2
1,14	049.ETJA.114	+ pressure	2
1,22	049.ETJA.122	+ pressure	2
1,30	049.ETJA.130	+ pressure	2
1,42	049.ETJA.142	+ pressure	2
1,52	049.ETJA.152	+ pressure	2
1,65*	049.ETJA.165	+ pressure	2
1,75*	049.ETJA.175	+ pressure	2
1,85*	049.ETJA.185	+ pressure	2
2,06*	049.ETJA.206	+ pressure	2

Silicone tube elements			
ID[mm]	Product code	Rec. track	Design
0,51	049.EB0A.051	standard	1
0,64	049.EB0A.064	standard	1
0,76	049.EB0A.076	standard	1
0,89	049.EB0A.089	standard	1
1,02	049.EBJA.102	standard	2
1,14	049.EBJA.114	standard	2
1,30	049.EBJA.130	standard	2
1,42	049.EBJA.142	standard	2
1,52	049.EBJA.152	+ pressure	2
1,65*	049.EBJA.165	+ pressure	2
1,85*	049.EBJA.185	+ pressure	2
2,06*	049.EBJA.206	+ pressure	2

All element tubing is also available per meter

* Reduce tube life with tube sizes from 1,65 up to 2,06 mm

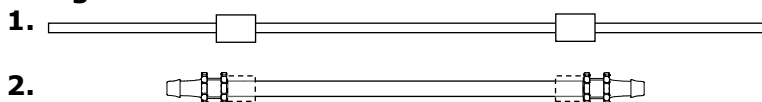
Recommended track

The 'Rec. track' 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 + pressure-tubing:
Priming problems can occur and the pumping pressure will be very limited.
 - + pressure-pumphead used with a standard tubing:
The high occlusion will limit the tube life and reduce the flow accuracy.
- Note:** This combination could be used in high pressure applications.

Design



#1 has no connection fittings. Outer Ø = ID+1.7mm
#2 connects to tubing with ID 2.0 - 2.4mm

	Santoprene		PVC		Silicone	
	Design 1	Design 2	Design 1	Design 2	Design 1	Design 2
Sterilisation						
Autoclave	-	✓	✓	✓	✓	✓
Gas	N/T	✓	✓	✓	✓	✓
Radiation	N/T	✓	-	-	✓	✓
Approvals						
USP VI	✓	✓	-	-	✓	✓
FDA 21	✓	✓	✓	✓	✓	✓
NSF 51	✓	✓	-	-	✓	✓
ISO 10993	✓	-	-	-	✓	-

N/T= Not Tested

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