

TechNote

Ferrule Sealing

The tubing clips of the mp6-series are designed to be used with flexible tubing. The recommended tubing is Tygon tubing with 1.3 mm interior diameter (see our product: mp-t 1.3 mm). For the mp6-pp pump a different size of tubing is used (see our product: mp-t 1.02 mm).

Some applications may require a firmer fit between tubing and tubing clip to ensure a proper sealing. This can be achieved by using an additional ferrule that presses the tubing onto the tubing clip.

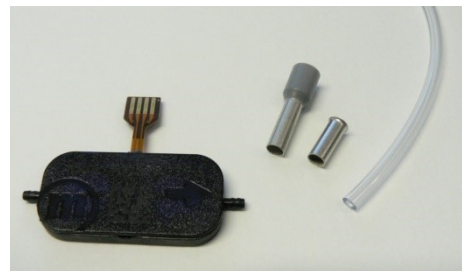
Needed are:

- mp6-series pump
- Tubing to be assembled
- Ferrule

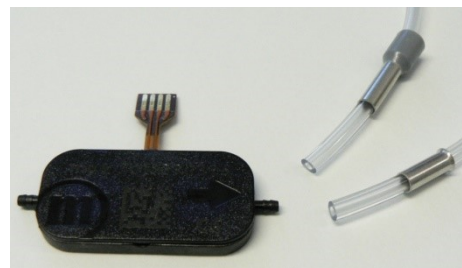
For both Tygon tubings, ferrules with 4 mm² rated cross-section (inner diameter 2.8 mm) work well. Possible products from Farnell:

<http://de.farnell.com/multicomp/spc4547/terminal-ferrule-2-8mm/dp/4573237>

<http://de.farnell.com/weidmuller/9019190000/terminal-ferrule-10-x-2-8mm-grey/dp/1455216>

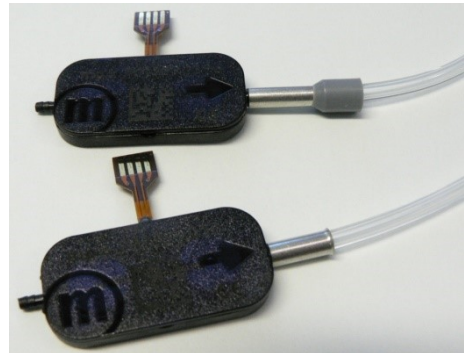


Put ferrule over tubing.



- Then push tubing fully on the tubing clip, so that the tubing end is against the pump body.
- Then push ferrule along and the tubing down to the pump body too.
- Do not twist the ferrule! This may twist off the tubing clip.
- It may be necessary to prolong the tubing a bit:

While **pushing** the ferrule over the tubing, slightly **pull** the tubing as if you want to remove it from the tubing clip. This will make the outer tubing diameter a bit smaller and the ferrule can be pushed over completely.



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