

# UMBILICAL LINK

Compatible with { SFM-20  
SFM-300  
SFM-400



## Stopped flow compatibility with more instruments and applications

For some stopped flow applications there is no room to mount the observation head directly on top of the mixer body. The umbilical connection allows the stopped-flow mixer body and observation head, (with last mixing stage), to be separated by up to 45cm. With the umbilical connection you can use Bio-Logic's advanced mixing technology with more devices, and in more applications. The umbilical connection is compatible with all Bio-Logic stopped-flow instruments and all models of observation heads , (stopped-flow head, optical quench, freeze quench, etc.

Where to use the umbilical connection

- Installation on a synchrotron beamline or a neutron scattering line.
- Cryo-stopped-flow experiments at sub-zero temperatures
- High temperature stopped-flow ( T > 80 °C)
- Cooling of the observation head and flow lines while the rest of the instrument is maintained at a different temperature ( when stock solutions are not very stable at experimental temperature)
- Positioning of the observation head in a spectrometer magnet ( for this application all parts will be metal free)

### Specifications

Volume of flow line <sup>1</sup>	200 µl
Length of umbilic <sup>2</sup>	45 cm
Number of flow lines	2
Temperature control	Yes

1 : contact factory for other options.

2 : different length available (by multiple of 45 cm)

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