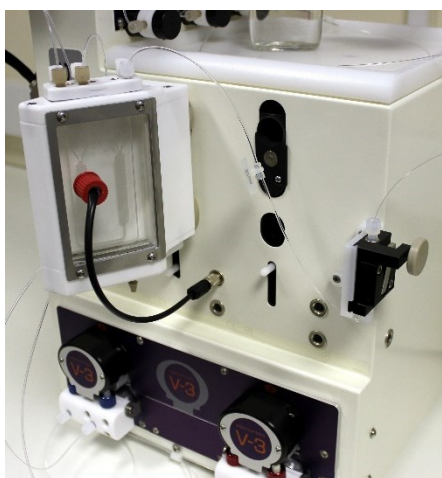
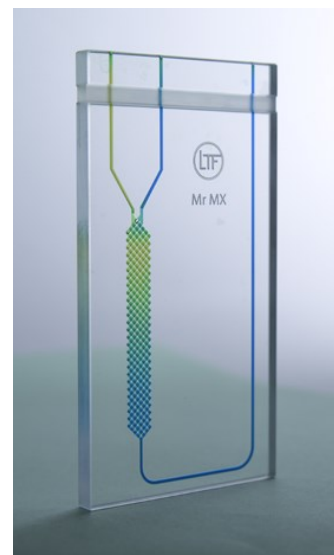


## Introducing the new Micromixer reactor with heating and cooling from Vapourtec

In addition to the standard, cooled, heated and photochemical reactors, Vapourtec now offer a Micromixer reactor manifold.

In common with the Vapourtec family of reactors the new micromixer reactor simply plugs into the ports on the E-Series and R-Series systems.

The chip reactors are housed inside a glass and PTFE manifold offering excellent visibility of the reactants.



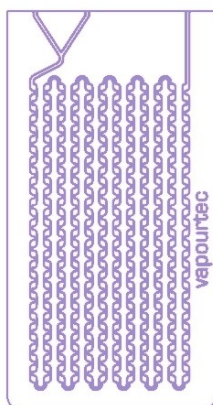
- Cooled gas is circulated around the reactor to provide temperatures from ambient to and  $-40^{\circ}\text{C}$ . The gas is provided by Vapourtec cooling module.
- The micromixer reactor can also reach temperatures up to  $150^{\circ}\text{C}$  from heated air which is circulated around the reactor.

Two chip reactors can be inserted into the micromixer manifold, therefore, one chip can be used for mixing the other as a residence time chip.

The thermocouple sits directly on the reactor wall and feeds back to heater control.



## Reactor Options



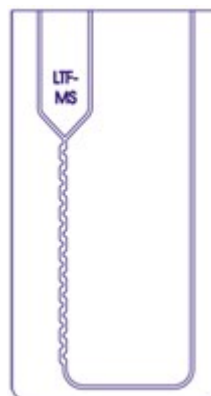
### Vapourtec (40-1773)

Volume: 1.5 ml

Channelsize: 1 mm

For mixture-intensive substances

Two inputs with minimal pre-conditioning, one output



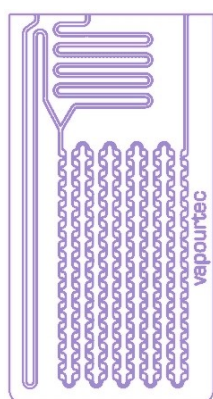
### LTF-MS

Volume 0.2 ml

Channelsize: 1 mm

0.5 - 20 ml / min / channel

Not sensitive to blockage



### Vapourtec (40-1774)

Volume: 1.0 ml

Channelsize: 1 mm

For mixture-intensive substances

Two inputs with 0.25 ml pre-conditioning, one output



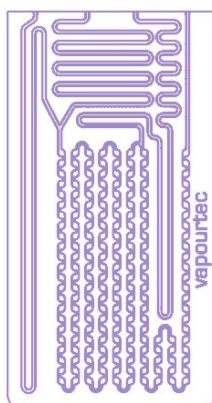
### LTF-MX

Volume 0.2 ml

Channelsize: 1 mm

0.1 - 10 ml / min / channel

For mixture-intensive substances



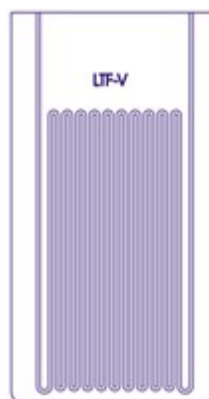
### Vapourtec (40-1775)

Volume: 0.6 ml + 0.25 ml

Channelsize: 1 mm

For mixture-intensive substances

Two inputs + quench all with 0.25 ml pre-conditioning, one output

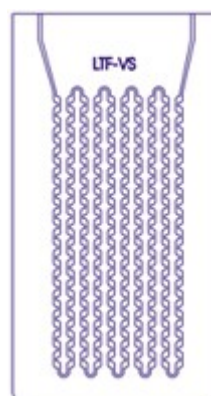


### LTF-V

Volume 1.7 ml

Channelsize: 1 mm

Residence time



### LTF-VS

Volume 1.1 ml

Channelsize: 1 mm

Delay time

For mixture-intensive substances