Filling the fReactor Classic before your reaction

fReactor™
...one for every lab

Assemble the entire chain of fReactor modules on the heating stage with feed & exit lines and blanking plugs
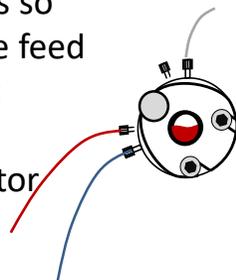
Can tolerate small bubbles of residual gas ? Have an excess of one component ?
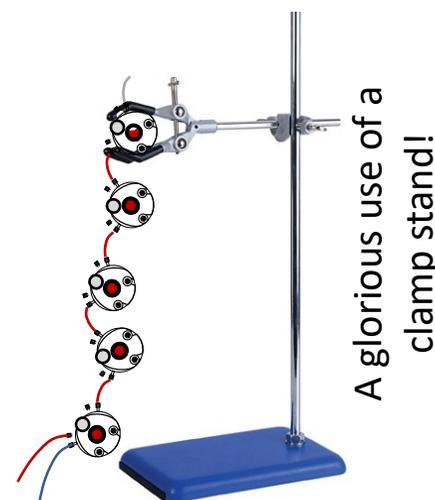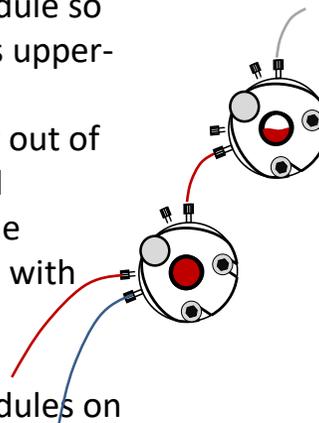
Yes → Run the feedlines so there is no air in the feed pipes up to the first module. Switch one flowrate to 5ml/min and run for around 5min.

No ↓

- Run the feed pumps so there is no air in the feed pipes up to the first module
- Hold the first fReactor module vertically
- Set a flow rate of 1-2ml/min on one of the feeds and watch the level gradually fill in the fReactor module

- As the level rises, rotate the fReactor module so the outlet port is upper-most
- This will push air out of the exit hole and completely fill the fReactor module with liquid
- Repeat!
- Reinstall the modules on the fReactor heating stage

A glorious use of a clamp stand!

TIP: Want to ensure you have no leaks ? Have an air-sensitive reaction ?
Use a Back Pressure Regulator after the last stage (or temporarily crimp the outlet tube). Running one of the feed pumps will highlight any leaks.