



atlas

automated
synthesis system

pump

atlas syringe
pump



Atlas simply does it all

What is the Atlas Syringe Pump?

The Atlas Syringe Pump is a versatile volumetric dosing and/or sampling system. It allows 2 independent refilling flows, one continuous flow, reaction sampling, intelligent control of pH and temperature dependant dosing. It consists of two syringes and multi port valves and be controlled from the front panel, by a Reactor Master, an Atlas Base or PC software.

Atlas Syringe Pump Benefits

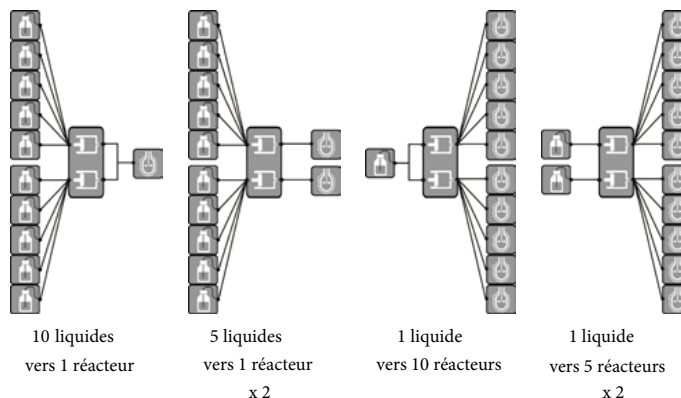
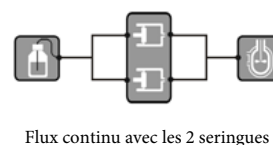
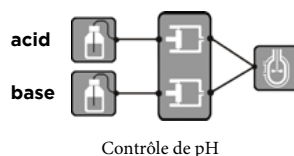
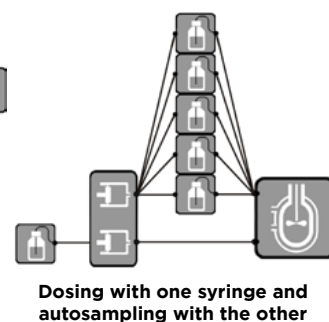
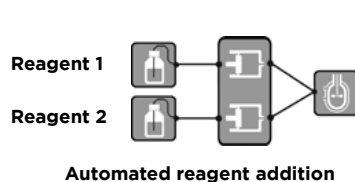
- **Flexible:** Use as 2 refilling pump channels or 1 continuous pump channel or an autosampler
- **Easy to use on its own:** Twist and click control knob and large display
- **Automated reagent addition:** Dispense simply by volume or flow rate over a time period or create advanced flow profiles.
- **Versatile:** 10 reagents to one reactor, 1 reagent to 10 reactors, 5 reagents to 2 reactors, one continuous flow, etc.
- **Automated reaction sampling:** Use with the Autosampler module to regularly aspirate samples into 2ml HPCL vials.
- **Wide flow rate range:** 0.5µl/min to 20ml/min (up to 200ml/min with the Atlas Syringe Pump XL)
- **Intelligent:** Pump to control pH or pause if a reaction temperature is exceeded. Full data logging to a .csv file.
- **Compact Size:** Fits conveniently alongside reactor.
- **Excellent chemical compatibility:** PTFE, PCTFE and glass.

Watch the Atlas Videos

Watch a video online at www.syrris.com/videos of our Atlas laboratory scale reactors that feature the Atlas Syringe Pump and its easy-to-use "twist and click" knob, and other intuitive features.



Examples of Operation



Left: The Atlas Syringe Pump and Syringe Pump XL

Above: The Autosampler module

Right: The Atlas Syringe Pump with Atlas Potassium jacketed reactor system.

