

asia

fast, clean, safe  
flow chemistry

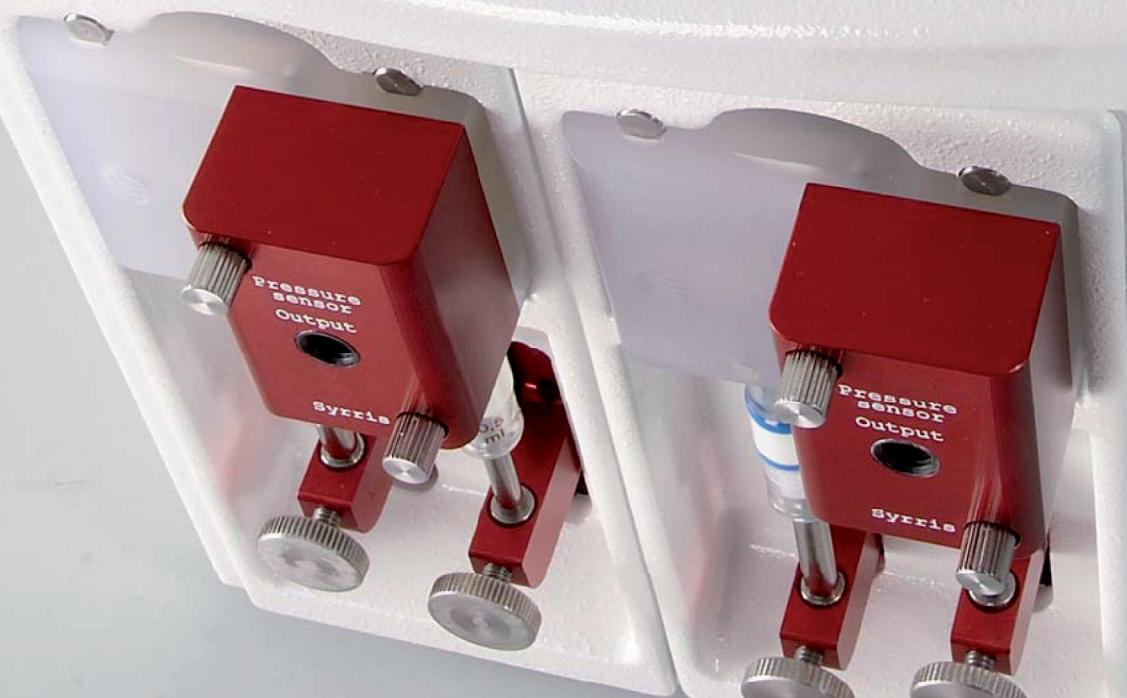
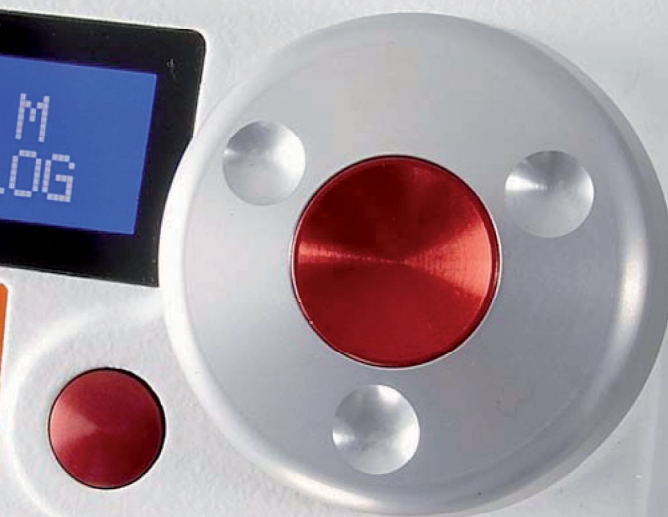
pump

asia syringe  
pump



asia

syringe pump



The future of flow chemistry

## What is the Asia Pump?

**Designed specifically for flow chemistry, the ultra smooth Asia Pump is extremely chemically resistant and is rated to 20 bar (300psi). This compact module offers two independent flow channels each with an integrated pressure sensor and a flow rate range from 1.0µl to 10ml/min.**

### Asia Syringe Pump benefits

- **Flexible:** The Asia Pump offers two independent flow channels (each with integrated pressure sensing).
- **Extremely smooth flow rate:** Incredibly smooth flow rate is provided by each channel.
- **Wide pressure range:** Operating pressure of 20 bar/300psi (tested to 30 bar/450psi).
- **Safe:** PTFE pressure sensor on each channel with automatic overpressure stop.
- **No tools required:** Replace valves, syringes and pressure sensors without the need for tools.
- **Easy to use on its own:** Twist and click control knob and large LCD display.
- **Wide flow rate range:** 1.0µl to 10ml/min.
- **Intelligent:** PC Software enables quick and easy control of flow chemistry process.
- **Compact:** The Asia Pump is just 23cm (9") wide.
- **Excellent chemical compatibility:** PTFE (and other fluorinated polymers) and glass only.

### Asia Pump features

Designed specifically for flow chemistry, the Asia Pump is the most chemically resistant pump available. Produced to the highest specification, the innovative pump is controlled by the easy to use and intuitive front panel (twist and click control knob) or by the Asia PC software.

In either standalone mode or PC software mode, flow rate can be controlled quickly and easily. When used as part of a larger flow chemistry system, the Asia Pump accurately controls and runs complex flow chemistry experiments with the click of a button.



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### Asia Syringe Volumes and Flow Rates

The Asia Pump offers four different volume syringe pairs. Each pair is colour coded and has a defined flow rate range:

Asia Yellow Syringes (50µl/100µl): 1.0µl to 250µl/min  
 Asia Green Syringes (250µl/500µl): 5.0µl to 1.25ml/min  
 Asia Blue Syringes (500µl/1ml): 10µl to 2.5ml/min  
 Asia Red Syringes (2.5ml/5.0ml): 50µl to 10ml/min



### Asia Pressurized Input Store

The Asia Pressurized Input Store is designed to be used with the Asia Syringe Pump. It allows 4 reagents to be stored under an inert gas atmosphere. The 1 bar gas pressure assists in delivering an ultra smooth flow by minimising input cavitation and gas bubble formation at high flow rates.



The compact module includes 4 bottles, each with x 1 quick release connections and a simple pressure / vent switch on the front panel.

A list of Asia Pump parts is shown below:

Description	Part Number
Asia Pump	2200292
Asia Pressurized Input Store	2200400
Asia Pump Pressure Sensor	2200431
Asia Pump Valve	2200432
Asia Yellow Syringes (50µl/100µl) 1.0µl to 250µl/min	2200391
Asia Green Syringes (250µl/500µl) 5.0µl to 1.25ml/min	2200392
Asia Blue Syringes (500µl/1ml) 10µl to 2.5ml/min	2200393
Asia Red Syringes (2.5ml/5.0ml) 50µl to 10ml/min	2200394



Left: Easy to use, twist and click control knob and display

Above: Syringes and valves clip in and out without tools

Right: Two independent flow channels offer an extremely smooth flow



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