

Electrochemical activation of chemical reagents enables selectivity and transformations impossible by other techniques. The Asia Electrochemistry Systems give easy access to electrochemical reactions in continuous flow.

The Asia Flux module and cell can accommodate a wide range of electrodes, assembled without the need for tools, and users can operate in either constant current (Galvanostatic) mode or constant voltage (Potentiostatic) mode to achieve reductions and oxidations.

	Regular	Advanced
Flow rate	1.0µL/min to 10mL/min*	
Pressure (bar)	0 to 5bar	
System temp. (°C)	0 to +60	
Pump channels	2	4
Chip reactors	✓	✓
Tube reactors	×	✓
Column reactors	×	✓
Electrochemistry	✓	✓
FLUX volume	225µL	225µL
Product collection	MANUAL	AUTO
Aqueous work-up	×	×
Pressurized inputs	✓	✓
Injection valves	2	4
Auto injection valves	×	×
Analysis interface	×	×
Automation	×	1

Depending on the syringe size.

10 bar when using fluoropolymer tube reactors. Depending on cooling solution.

Modules

Distributed by: Lab Unlimit

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Pressurized Input Store

Pressurizes four bottles with an inert gas enabling the use of air sensitive reagents and eliminates cavitation when pumping. Input pressure 1-10 bar, output pressure 1 bar.

This module has adaptors that can be changed in seconds to heat the full asia range of reactors. Temperature range from room temperature to 250°C.

anywhere within the flow setup. **Pressure Controller**

aqueous work up. Internal volume 100µl. FLLEX can be used

The Flow Liquid Liquid EXtraction

(FLLEX) offers continuous flow

Automatically pressurizes the reaction up to 20bar (300psi) for ultra-fast reaction rates and control of gas/liquid reactions.

Automated Collector

Allows automated collection of multiple reactions in separate vials or vessels. Waste is automatically diverted.

Auto RIM

Includes two independent chemically resistant channels allowing reagents stored in racks of septum capped vials to be automatically aspirated and loaded into injection loops.

Reagent Injector

2 extremely chemically resistant injection valves with sample loops. 0.1ml, 1ml, 5ml or 10ml, manual or automated control, 0 to 20 bar. Ideal for rapid reaction optimisation.

Asia Manager Software

Easy to use for total 'walk-away' control of the Asia System.

Syringe Pump

Extremely chemically resistant continuous flow pumps for ultra smooth flow. Flow rate from 1µl/min to 10ml/min each, 20 bar, pressure sensor.

Cryo Controller

Rapidly cool a selection of fluoropolymer or stainless steel tube reactors to -70°C or a range of glass or quartz microreactors to -100°C. Requires only mains power, no need for cryogenic media.

Sampler and Dilutor

Enables on-line reaction analysis by automated sample extraction, dilution and transfer to an analytical system e.g. LCMS or UPLC. Dilution factor: 5 to 250.

FLUX - Flow Electrochemistry

Enables a wide range of electrode materials to be changed in seconds. No tools. Includes a power supply and electrochemical flow cell with minimal electrode gap. Internal reaction volume 225µl.

Chip Climate Controller

Enables glass microreactors to be cooled or heated from -15°C to +150°C - no need for circulator or cold water supply.