DFC
Device for Flow Chemistry

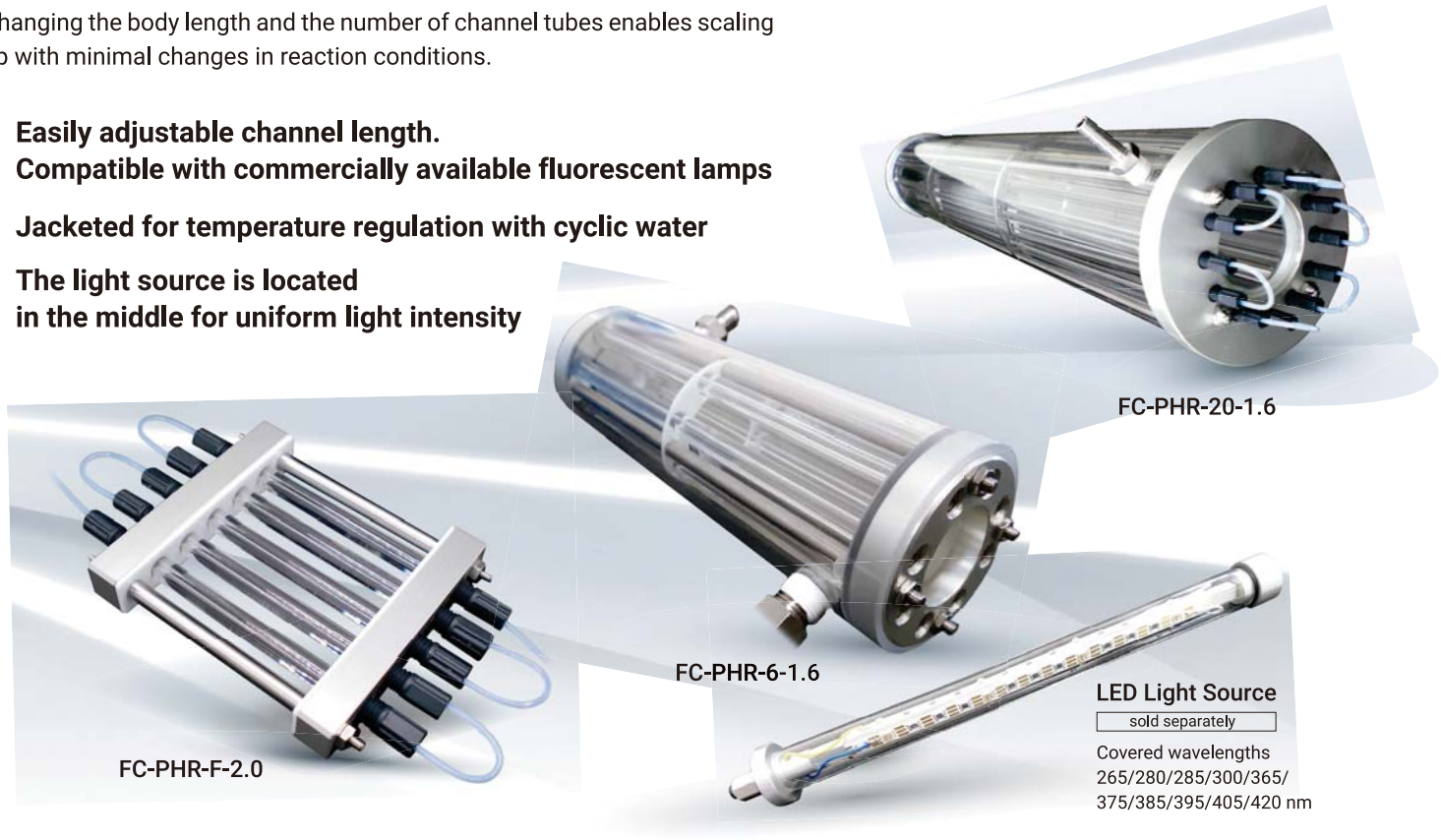
Photoreactor
for flow chemistry

FC-PHR Series

Ideal for scaling up from lab-sized experiments

Changing the body length and the number of channel tubes enables scaling up with minimal changes in reaction conditions.

- **Easily adjustable channel length. Compatible with commercially available fluorescent lamps**
- **Jacketed for temperature regulation with cyclic water**
- **The light source is located in the middle for uniform light intensity**



Main Specifications

Japanese Patent No. 6453928

Model	FC-PHR-F-2.0	FC-PHR-6-1.6	FC-PHR-20-1.6
Channel Dimensions (Inner Diameter × Length)	Φ2.0 × 56 mm	Φ1.6 × 187 mm	Φ1.6 × 540 mm
Reactor Capacity	0.2 mL/tube, 1.0 mL for 5 tubes	0.4 mL/tube, 3.2 mL for 8 tubes	1.1 mL/tube, 16.5 mL for 15 tubes
Wetted Part Material	Quartz and PTFE	Borosilicate glass and PTFE	
Light Source Port (Diameter)	–	Φ19 mm (for 6 W lamps)	Φ34.5 mm (for 20 W lamps)
Reaction Solution Connector	Flat seal (M6)		
Cyclic Water Connector	–	Rc 1/8"	
Heat Resistance Temperature	–	0–50 °C	
Dimensions (Width × Depth × Height, Outer Diameter × Length)	65 × 70 × 12 mm	Φ48 × 200 mm	Φ95 × 560 mm

Notes: A glass outer jacket option is available instead of the resin outer jacket. Notes: For scaling up, please contact us.

Light sources with a wavelength of 365 nm

FC-PHR-LED-365	FC-PHR-LED-365-N	FC-PHR-LED-365-20
LED light source for photoreactors (365 nm, 6 W) including power supply	LED light source for photoreactors (365 nm, 6 W) without power supply	LED light source for photoreactors (365 nm, 20 W) including power supply

Light sources with a wavelength of 420 nm

FC-PHR-LED-420	FC-PHR-LED-420-N
LED light source for photoreactors (420 nm, 6 W) including power supply	LED light source for photoreactors (420 nm, 6 W) without power supply

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