

The CUBE by



General Features

The CUBE integrates the best of Sanchez Technologies high pressure double pump in a new compact design. Inside the chamber of each pump, the piston is driven by a driving piston system. A gearbox executes the movement of the driving piston system with a brushless motor and high accuracy absolute encoder.

Thanks to its double cylinders pump's design, The Cube offers the ability to work either **independently** or together in an infinite **continuous flow** mode.

The CUBE offers accuracy and stability for the following applications:

- High pressure liquid chromatography HPLC
- Adding fluid accurately in the field of research and manufacturing processes
- Formulation of reagents in the development of chemical processes
- Accurate dosing of liquefied gases
- Core flooding, permeability measurements,
- ...

Without any computer or software needed, the pump can do the following:

- Constant flow rate
- Continuous constant flow rate
- Constant pressure with programmable ramp
- Preset volume at constant flow
- Temperature measuring in option

The Cube pumps are delivered with 0.05% accuracy pressure sensor and Viton O-ring sealing.

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	Cube 350	Cube 700	Cube 1000	Cube 1500
Volume	14,1 mL	9,2 mL	5,6 mL	4,1 mL
Pressure	350 bar (5000 psi)	700 bar (10000 psi)	1000 bar (15000 psi)	1500 bar (21800 psi)
Flow rate				
Maximum Flow rate at 3000 tr/min (mL/min)	47,00	31,00	19,00	14,00
Maximum Flow rate (mL/min) At 5000 tr/min	78,00	51,00	31,00	23,00
Minimum flow rate At 1 rotation/min(mL/min)	0,0157	0,0103	0,0062	0,0045
Minimum flow rate At 10 pulses/min (mL/min)	0.000153	0,000100	0,000061	0,000044
Material	Stainless Steel/Hastelloy			Stainless Steel
Option	Heating system			
Dimensions (mm) LxWxH	380 x 380 x 700			
Weight (kg)	50kg			