

LAB SCALE LIQUID-LIQUID CENTRIFUGAL EXTRACTOR BXP030 ECLAIR



KEY FEATURES OF BXP030 ECLAIR



EASE OF USE AND INSTALLATION

- Fast phase separation
- High extraction efficiency
- Ability to operate through remote-controlled gripper and/or glove box
- Easy to use and clean



FLEXIBILITY

- A dual-section bowl (for mixing and decanting) that enhances process flexibility.
- Adjustable mixing area volume capacity
- Emulsion risks minimized by geometry and shearing
- Possibility to assemble in battery



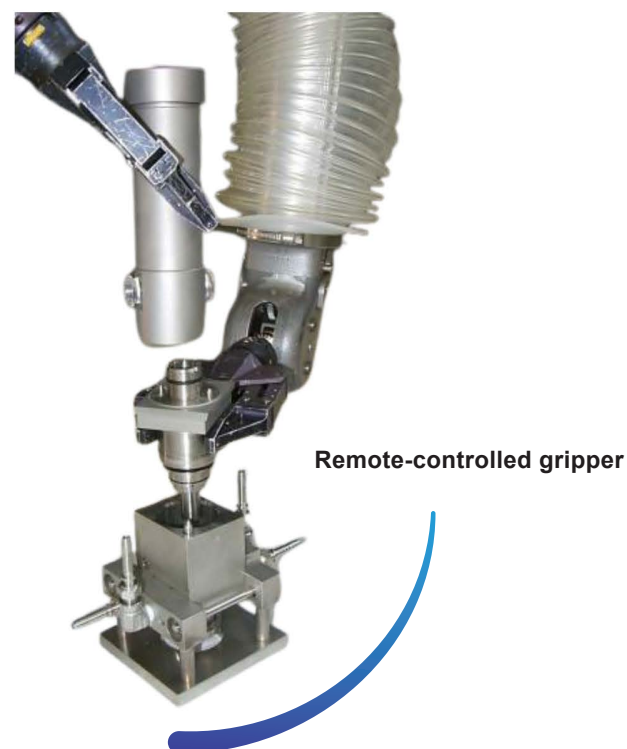
COST EFFECTIVENESS

- Lab scale flow rates
- Minimal product requirement
- In battery, one theoretical stage equivalent to one physical stage

Developed in close collaboration with CEA (French Atomic Energy institute), this equipment combines the features of our BXP012 device along with enhancements based on customer's feedback. Manufactured in different materials (316L, C22, Ti).

TECHNICAL CHARACTERISTICS OF BXP012 VS BXP030 ECLAIR

	BXP 012	BXP030 ECLAIR
Mixing rotor	fixed by the bowl	adjustable
Bowl (mm)	Ø 12	Ø 30
Useful bowl volume (cm ³)	2,2	1,6/2,7/4,4
Max G Effect	670	1073
Flowrate (l/h)	0,2 to 2	0,13 to 8
Drain	Not applicable	Included



Avantages of BXP030 ECLAIR

- Separation optimisation through bowl separated in 2 areas (mixing and decanting)
- Better mixing and integration into the decanting area (by geometry)
- Accurate control of the processed volume : mixing volume independant of the flow rate
- Limitation of emulsion risks through shearing reduction
- Due to low agitation and an high decanting G Force, possibility to process products with high emulsion abilities
- Draining pipe for mixing and decanting area

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