

# Supercritical Fluid Extractor (SFE)

50L – 2 x 50L – 3 x 50L



## EXTRACTION

Operating pressure	0-400 bar
Operating temperature	0-100°C
CO2 flowrate	250 kg/h
Extractor Capacity	50L

## SEPARATION

Operating pressure	0-200 bar
Operating temperature	0-100°C
Separator capacity	2 x 10L
Cold trap capacity	1 x 5L

## Innovative quick closure system

- ✓ Safe and easy operation without any tool
- ✓ Opening and closing in less than 10 seconds
- ✓ Full access to the extraction vessel for an easy loading & cleaning

## High quality components

- ✓ Diaphragm metering CO2 pump technology – No contamination
- ✓ High efficiency and reliability – Very low maintenance cost
- ✓ Precise flow control with Coriolis mass flow meter & frequency drive
- ✓ Robuste & precise pressure regulating valve – High performance & precision

## PLC control

- ✓ User friendly control panel
- ✓ Recipe management & data logging
- ✓ Remote control

## Continuous process

- ✓ Optimized cycle time – No time-out
- ✓ Fully automated process

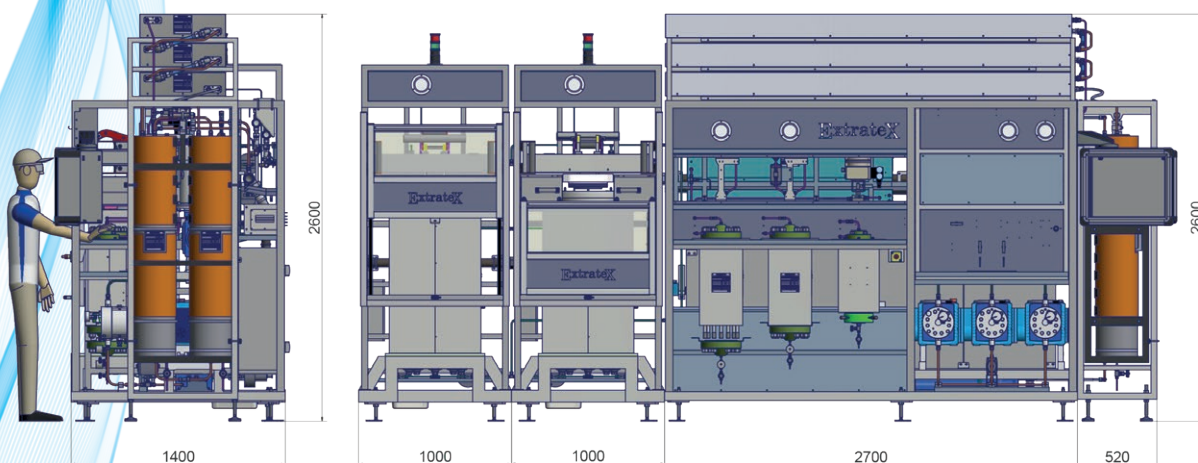
## Sustainable

- ✓ Minimizes energy consumption
- ✓ Low operating costs
- ✓ CO2 recycling – 95% CO2 recovery



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## Options

- ✓ 700 or 1000 bar operation
- ✓ Storage tank for CO<sub>2</sub> recovery
- ✓ Co-solvent pump to increase performance
- ✓ cGMP upgrade for clean room operation
- ✓ Software upgrade for pharmaceutical grade

## Technical data

- Dimensions :  
L 5m x H 2,6m x W 1,4m
- Power supply : 400 V – 50 Hz  
3 phases + earth / 32A
- Process connection :  
½" OD pipe for CO<sub>2</sub> inlet  
1" G connection for exhaust line



## Services & Support

- ✓ Preventive & corrective maintenance all over the world
- ✓ Installation, commissioning & on-site training
- ✓ Technical support & remote assistance

## Quality & Standards

- ✓ All our systems are CE marked according to the PED 2014/68/UE norm
- ✓ Our system can be manufactured according to other international standards :  
ASME / CRN
- ✓ Compliance with Machine Directive UE 2006/42/CE & Low voltage directive 2014/35/UE

### Contact us for your tailor made solution

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