

Supercritical Fluid Extractor (SFE)

25L – 2 x 25L



EXTRACTION

Operating pressure	0-400 bar
Operating temperature	0-150°C
CO2 flowrate	150 kg/h
Extractor Capacity	25L

SEPARATION

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

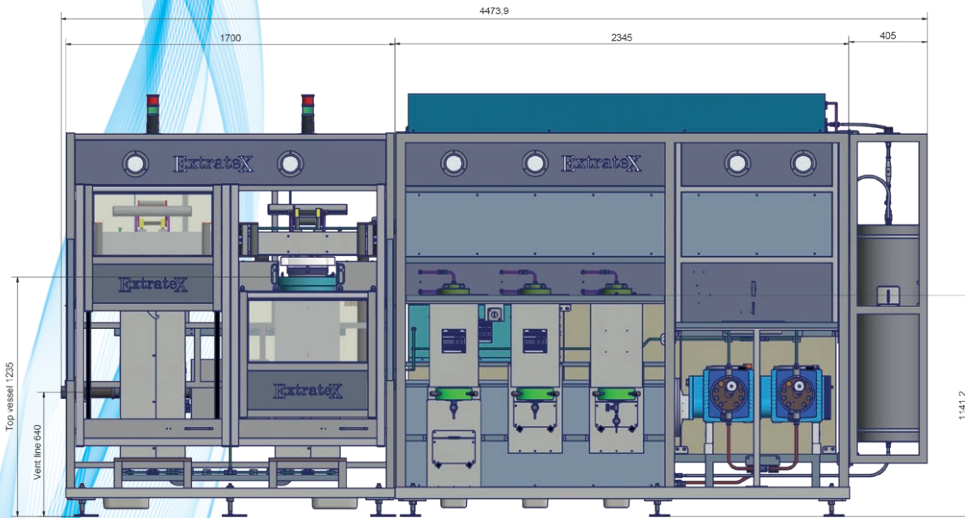
Sustainable

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



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Technical data

- **Dimensions :**
L 4m x H 2,5m x W 1m
- **Power supply :**
400 V – 50 Hz
3 phases + earth / 32A
- **Process connection :**
½" OD pipe for CO₂ inlet
1" G connection for exhaust line

Options

- ✓ 700 or 1000 bar operation
- ✓ Storage tank for CO₂ recovery
- ✓ Co-solvent pump to increase performance
- ✓ cGMP upgrade for clean room operation
- ✓ Software upgrade for pharmaceutical grade



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

Gonzague CHOPPE
Co-founder & Project Manager
contact@extratex-sfi.com
+33 (0)6 17 76 95 38

Christophe GAZIN
Project & Commercial Manager
contact@extratex-sfi.com
+33 (0)6 20 13 35 55



257, rue Louis Lumière
54230 Neuves-Maisons – France
www.extratex-sfi.com