



**BUFFALO
EXTRACTION
SYSTEMS**

by Cybernetik

SUPERCritical CO₂ EXTRACTION SYSTEMS LEVEL 1 (5L)

Buffalo Extraction Systems: Everything Cannabis.

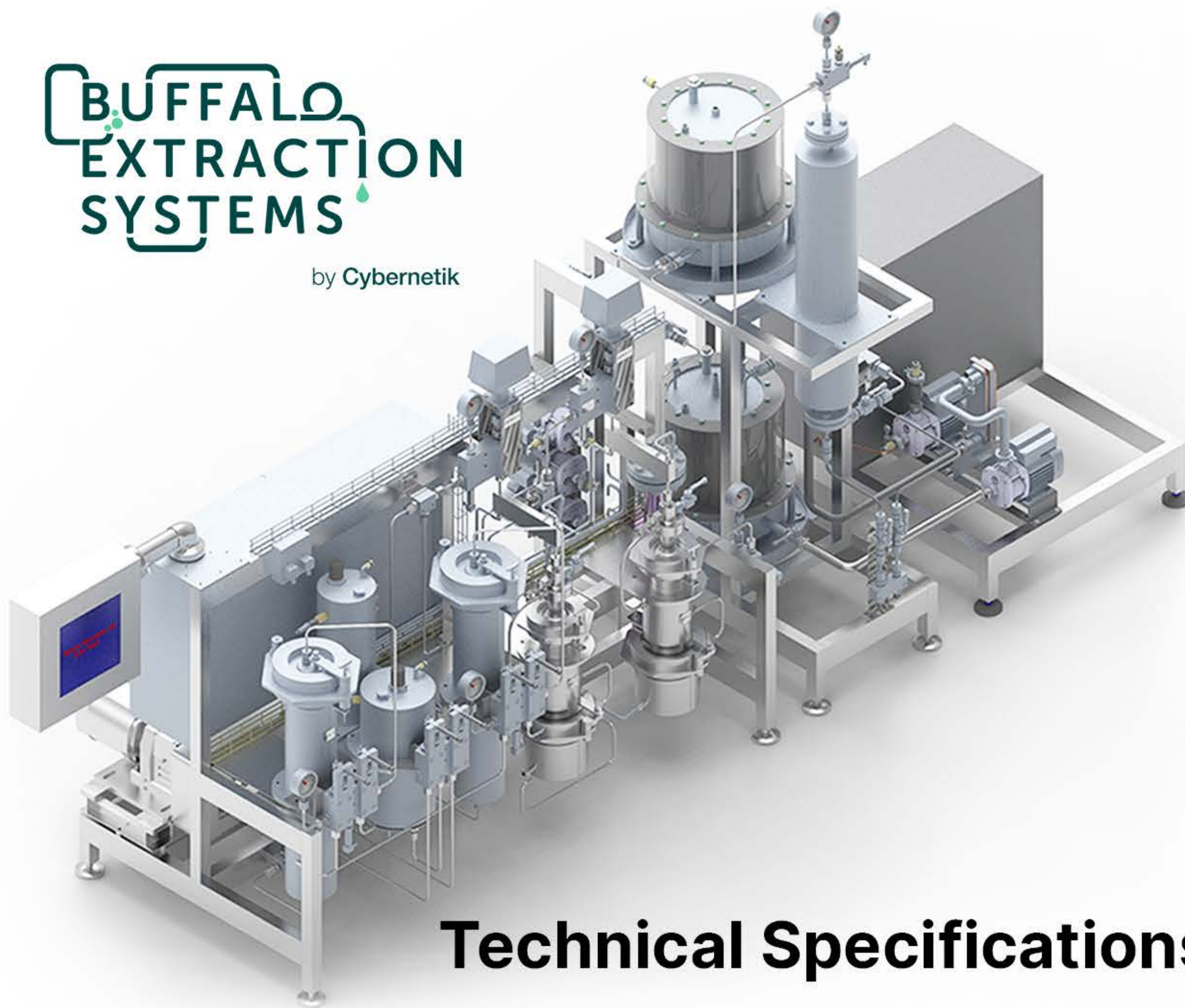
Contact Us

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Level 1 CO₂ SCFE System

Buffalo Extraction Systems' Level 1 Systems are ideal for THC and high value CBD crude oil extraction with a capacity to process 20 kg/day at sub-critical and super-critical process parameters.

Technical Specifications

Parameter	5L x 2	5L x 3
Single Extractor Volume (Liter)	5	5
Total System Volume (Liter)	10	15
Biomass Processing Capacity (kg/lbs per day)	20/44	35/77
Flow Rate of CO ₂ Pump (LPH)	50	50
Maximum Extraction Pressure (Bar/PSI)	350/5000	350/5000
Maximum Extraction Temperature (°C/°F)	70/158	70/158
Separation Pressure Range (Bar/PSI)	70 - 200/ 900 - 2900	70 - 200/ 900 - 2900
Separation Temperature Range (°C/°F)	20 - 50/ 70 - 122	20 - 50/ 70 - 122
CO ₂ Recirculation	Yes	Yes
Extractor Changeover Valves	Automatic	Automatic
CO ₂ Loss Per Batch (kg)	0.15	0.15
Area Required (m/ft)	4.88 × 1.37 × 2.44/ 16 × 4.5 × 8	6 × 1.5 × 2.44/ 20 × 4.5 × 8
Power Consumption (kW)	10.8	10.8
Number Of Extractors	2	3
Extractor Usage	Single	Single Or Series
Co-Solvent Pump	Yes (Optional)	Yes (Optional)
CO ₂ Feeding And Recovery System (For CO ₂ Storage After Batches)	Included	Included
CIP System	Included	Included

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Certifications



System Features



Precise Pressure Control
that guarantees consistent solvent solubility for targeted extraction



Consistent Flow Control
of the pump speed delivers highest levels of extraction efficiency



Superior Sealing Technology
ensures minimum downtime and reduced maintenance



Unique Extractor Closure Design
for rapid batch changeovers with minimal interruption

2.5 kg

Extractor Processing Capacity Per Batch

350 Bar (5000 PSI)

Max. Extraction Pressure

70° C (158° F)

Max. Extraction Temperature



Special Separator Design
for easy collection of highly resinous and low-viscosity products



Proprietary Changeover Valves
for quick changeovers and isolations, even at high pressures



Intuitive Intelligence
with proprietary Tablet APP enabling recipe-based control, remote monitoring and maintenance



Engineering Layout

(all dimensions in feet)

