



BUFFALO
EXTRACTION
SYSTEMS

by Cybertetik

SUPERCritical CO₂ EXTRACTION SYSTEMS LEVEL 2 (25L)

Buffalo Extraction Systems: Everything Cannabis.

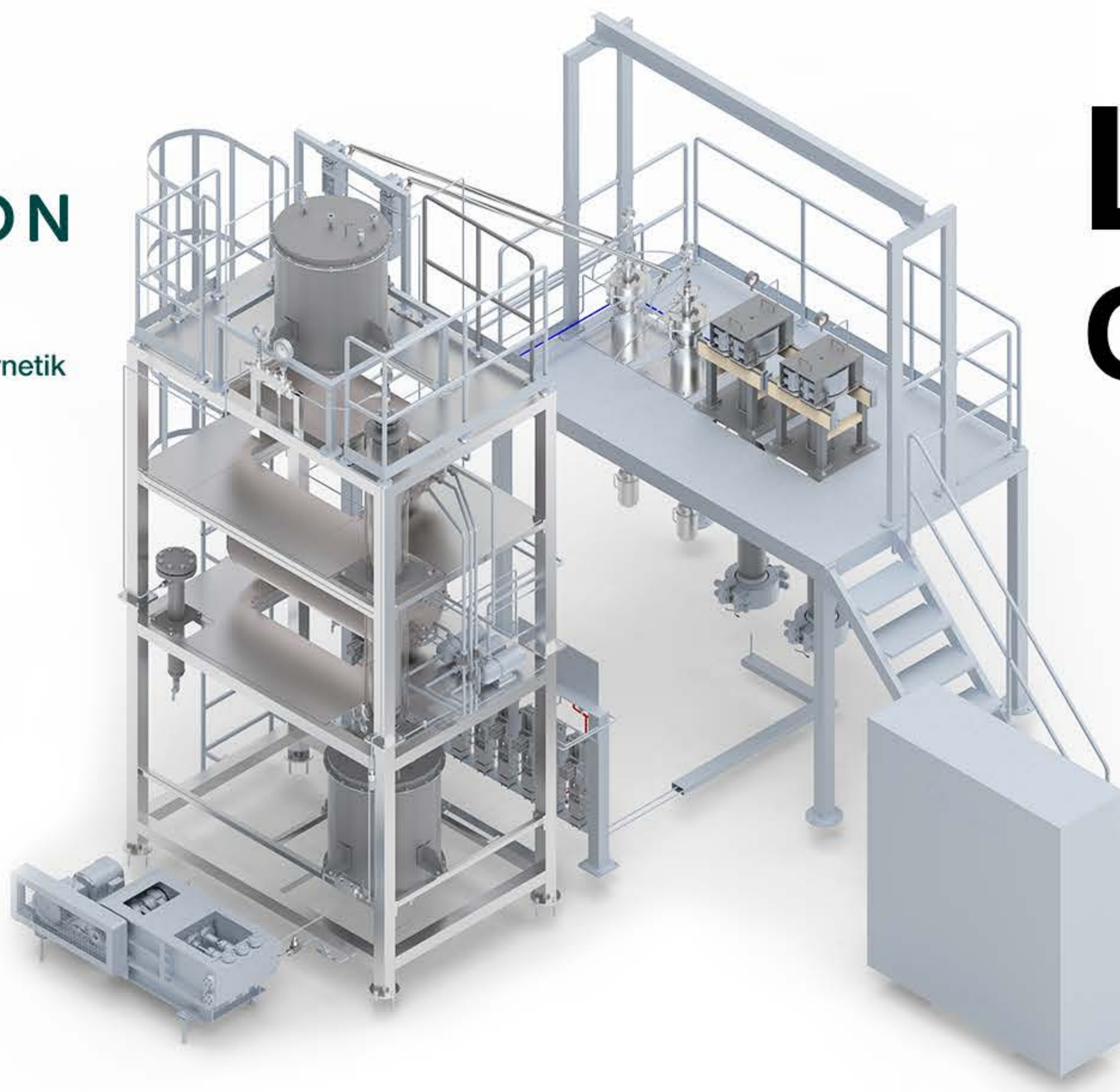
Contact Us

Buffalo Extraction Systems
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Level 2 CO₂ SCFE Systems

Buffalo Extraction Systems' Level 2 Systems are ideal for THC and high value CBD crude oil extraction with a capacity to process 100 kg/day with 25L x 2 Automatic and 180 kg/day with 25L x 3 Automatic systems at sub-critical and super-critical process parameters.

Technical Specifications

Parameter	25L x 2	25L x 3
Single Extractor Volume (Liter)	25	25
Total System Volume (Liter)	50	75
Biomass Processing Capacity (kg/day)	100	180
Flow Rate of CO ₂ Pump (LPH)	180	180
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)	0.75	0.75
Area Required (m/ft)	8 × 2.8 × 5.6/ 26 × 27 × 18.5	8 × 2.8 × 5.6/ 26 × 27 × 18.5
Power Consumption (kW)	33	33
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



01

Precise Pressure Control
that guarantees consistent solvent solubility for targeted extraction



02

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



03

Superior Sealing Technology
ensures minimum downtime and reduced maintenance



04

Unique Extractor Closure Design
for rapid batch changeovers with minimal interruption

12.5 kg

Extractor Processing
Capacity Per Batch

350 Bar (5000 PSI)

Max. Extraction Pressure

70° C (158° F)

Max. Extraction
Temperature



05

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



06

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



07

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



Engineering Layout - 25L x 3 System

(all dimensions in feet)

