BUFFALO EXTRACTION SYSTEMS

by Cybernetik

CRYOGENIC ETHANOL EXTRACTION SYSTEMS

LEVEL 1 (5kg), LEVEL 2 (20kg), LEVEL 3 (50kg)

Buffalo Extraction Systems: Everything Cannabis.

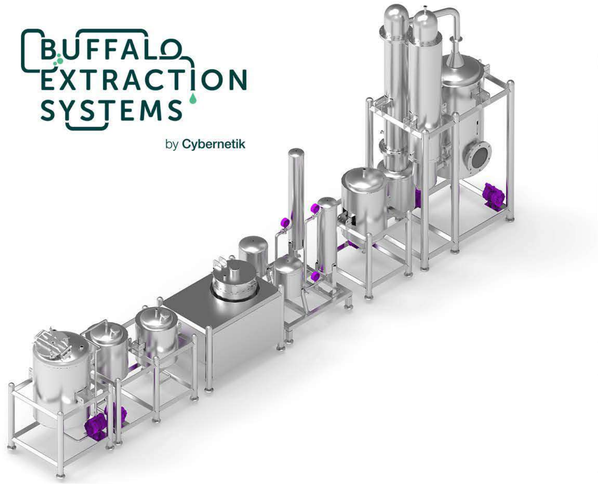
Contact Us

Bentonville, AR 72712,
United States of America.

+91 86013 75715

info@buffaloextracts.com

buffaloextracts.com



Cryogenic Ethanol
Extraction Systems

Buffalo Extraction Systems' Cryogenic Ethanol Extraction System cuts down process time from days to hours and delivers a pristine, full-spectrum product. Our skidded, scalable system enables automated solvent cooling and recovery, extraction, de-solventization, filtration and decarboxylation.

Technical Specifications

Parameter	Level 1 (5 kg)	Level 2 (20 kg)	Level 3 (50 kg)
Extractor Volume (Liter)	60	240	600
Extractor Capacity per batch (kg/lbs)	5/11	20/44	50/110
Typical Batch Time (minutes)	30	30	30
Biomass Processing per day (kg/lbs)	80/176	320/705	800/1763
Ethanol Storage Volume (Liter)	240	1000	2400
Ethanol Pre-Chiller Volume (Liter)	80	300	800
Filtration Skid: #1: Bag Filter, #2: DE Lenticular Filter (Cellulose & Diatomite), #3: DE Lenticular Filter (Cellulose & Activated Carbon), #4: Sintered Tierod Cartridge Filter	Included	Included	Included
Buffer Tank Volume (Liter)	150	600	1500
Solvent Recovery Capacity (Liter/hour)	200	800	2000
Clean Area Required (m)	7 × 1 × 3.2	10 × 5 × 5	17 × 6 × 6
Technical Area Required (m)	6.5 × 2.1 × 2.5	8 × 4 × 5	20 × 15
Recipe Management & Data Logging	Included	Included	Included
Power Required (kW)	91 (Heating Included)	150 (Excluding Heating)	250 (Excluding Heating)
Ethanol Loss per batch	5% - 10%	5% - 10%	5% - 10%

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Certifications

CE UL ASME SIL cGMP

System Features

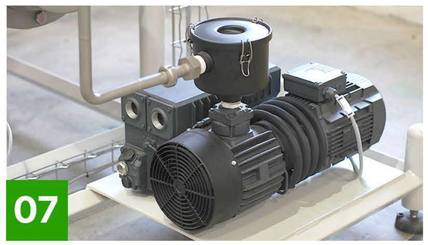
Pure Extraction
98% ethanol recovery at 350 lit/hr

High-capacity, Continuous Operation
Automation for reliable functioning

Food-grade Construction
Hygienic, SS316 L built

GMP Compliant
Customized GMP documentation for sustained efficiency

Precise Chilling
Controlled cooling optimizes operational range



Energy Efficiency
Heat recovery minimizes utility expenses

Expert Training & Service
On-site, complete training and rapid resolution of service-maintenance queries, if any

Intuitive Intelligence
Proprietary Tablet APP enables recipe-based control as well as remote monitoring and maintenance

v 1.0 | Date: 20.10.2022