CONTINUOUS WINTERIZATION SYSTEM

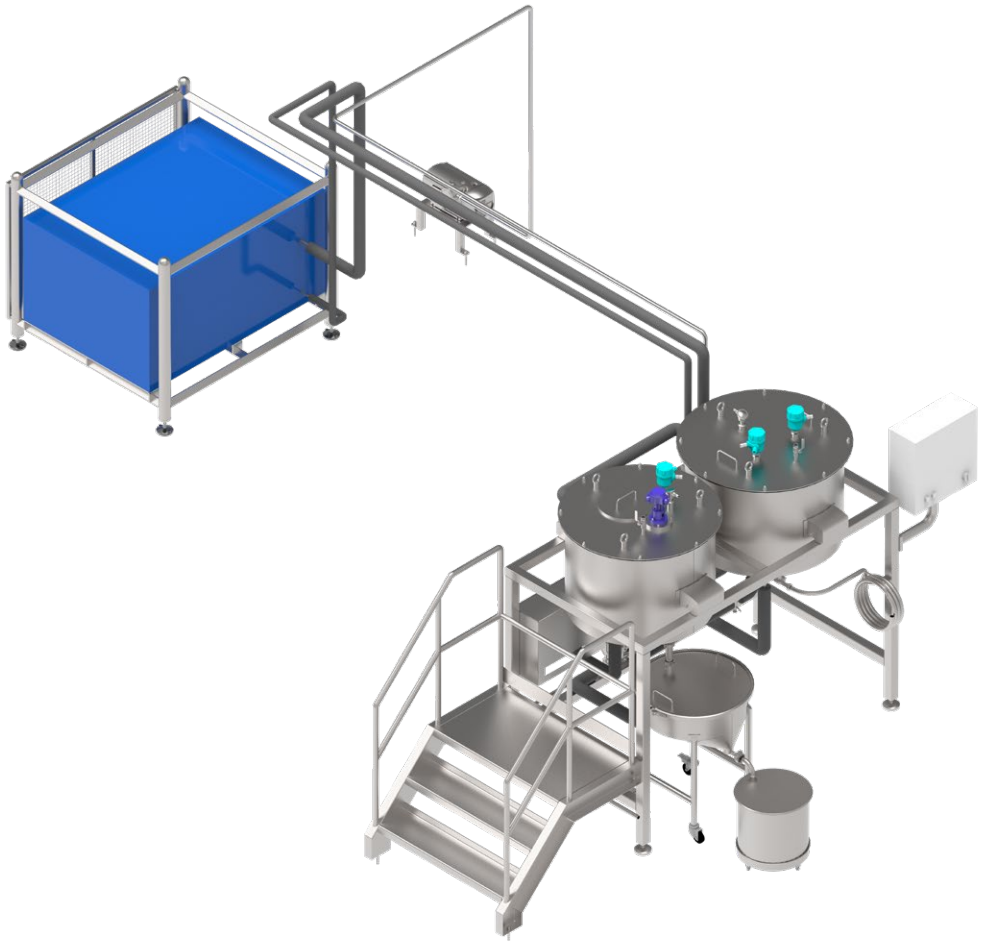
Operating at temperatures as low as -40 °C, our systems utilize ethanol to effectively precipitate and separate unwanted fats, lipids, and waxes from crude oil. This process significantly improves product purity and quality by minimizing the presence of impurities. Our systems are optimized for efficiency, maximizing cannabinoid yield while minimizing processing time and labor. Integrated intelligence and recipe management features enable automated operation, streamlining workflows and reducing operational costs. With precise temperature control and advanced filtration techniques, our winterization systems deliver high-quality winterized crude oil with enhanced potency and clarity

buffaloextracts.com



CONTINUOUS WINTERIZATION SYSTEM

Efficiently refine your product with optimized winterization.



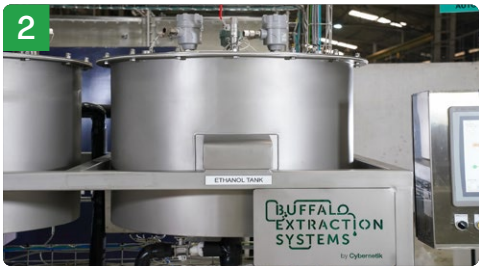
Technical Specification	Value
Batch Time (Hr Per Batch)	24
Ethanol and Fat + Oil Ratio	6:1
Required Ethanol (Liter Per Batch)	30
Input Fat + Oil (kg)	3
Area Required (L x W x H) (m/ft)	4.86 x 6.9 x 2.05/ 15.95 x 22.64 x 6.73
Power (kW)	5
Power Consumption (CFM/Bar Pressure)	15/6

SYSTEM FEATURES



Chilling Unit

Continuous chilling up to -50 °C, effectively reducing power consumption



Ethanol Tank

With volumetric capacity of 75 L insulated jacketing



Extraction Vessel

Jacketed vessel to maintain temperature of ethanol + oil at -45 °C to -48 °C



Pneumatic Stirrer

To prevent fire hazards



Vacuum

For fast filtration



Intelligent Automation

Single point HMI/SCADA monitoring and control

Certifications

CE

Ex ATEX

ASME SETTING THE STANDARD

GOOD MANUFACTURING PRACTICE GMP

We Don't Just Build The Best Systems,
We Build Ecosystems.



BUFFALO EXTRACTION SYSTEMS
by Cybernetik



Founded in Bentonville, Arkansas, USA, Buffalo Extraction Systems is a turnkey solutions provider in the extraction space. We are led by a young, dynamic group of technocrats offering state of the art extraction solutions for Hemp, Cannabis, Bio-products and Nutraceuticals industries across geographies. We have in-house manufacturing for large scale Convection Drying, Cryogenic Ethanol Extraction, Cold Water Extraction and Supercritical Fluid Extraction (CO_2 SCFE) Systems.

Our Global Extraction Hubs

1 BES Labs
2 CIMAP
3 CSIR
4 World Horti Center

Our Turnkey Solutions

- Supercritical Fluid Extraction (CO_2 SCFE) System
- Cryogenic Ethanol Extraction System
- Conveyorized Biomass Sorting, Drying & Milling
- Continuous Winterization System
- Nordex 100 - Cold Water Extraction System
- GMP Design Engineering

Contact Us

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