



**BUFFALO
EXTRACTION
SYSTEMS**

by Cybernetik

SUPERCritical CO₂ EXTRACTION SYSTEMS LEVEL 3 (100L)

Buffalo Extraction Systems: Everything Cannabis.

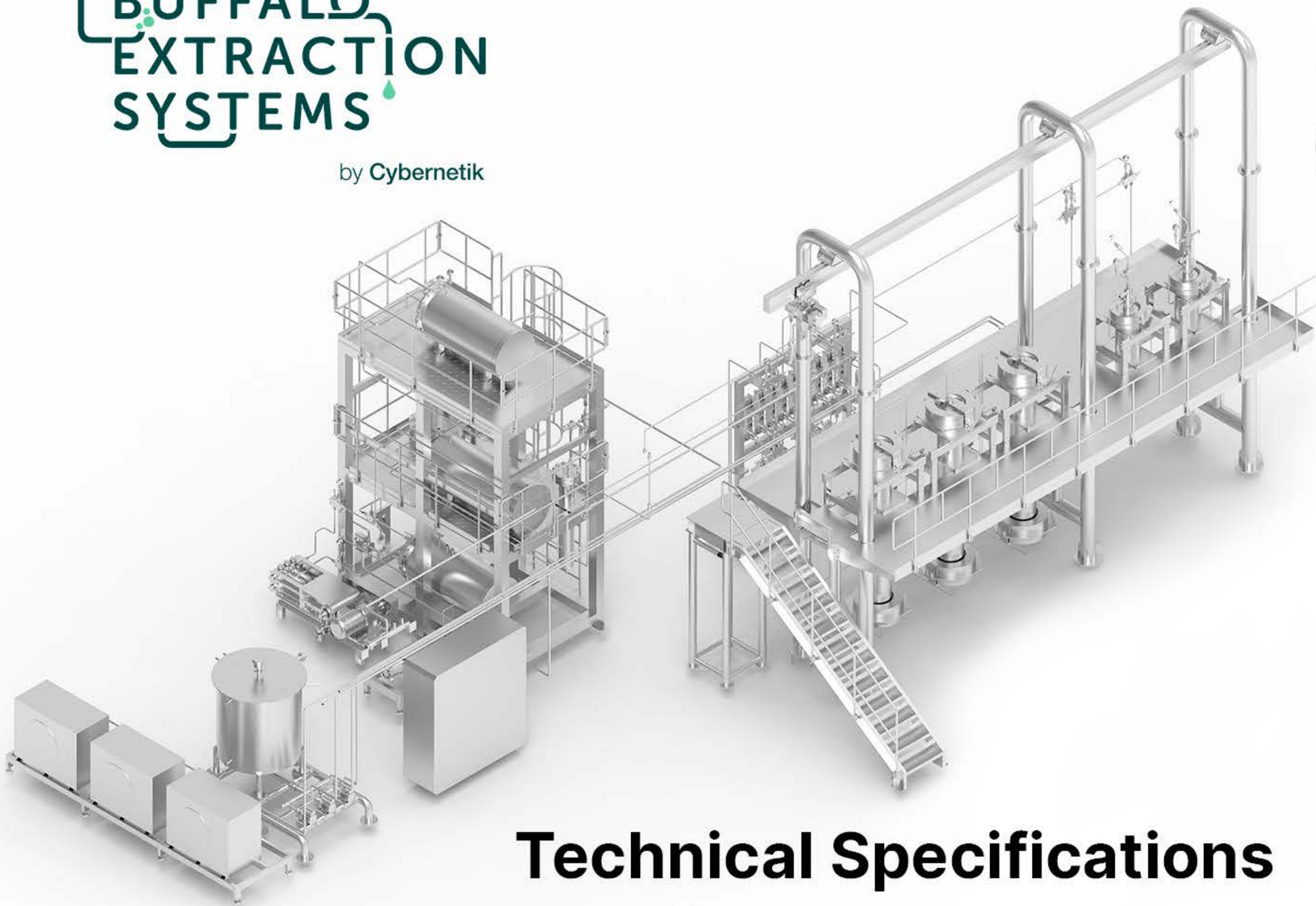
Contact Us

Buffalo Extraction Systems
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Level 3 CO₂ SCFE Systems


Buffalo Extraction Systems' Level 3 Systems are ideal for THC and high value CBD crude oil extraction with a capacity to process 400 kg/day with 100L x 2 Automatic and 800 kg/day with 100L x 3 Automatic systems at sub-critical and super-critical process parameters.

Technical Specifications

Parameter	100L x 2	100L x 3
Single Extractor Volume (Liter)	100	100
Total System Volume (Liter)	200	300
Biomass Processing Capacity (kg/day)	400	800
Flow Rate of CO ₂ Pump (LPH)	800	800
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)	3	3
Area Required (m/ft)	9.4 × 6.7 × 7/ 31 × 22 × 23	9.4 × 6.7 × 7/ 31 × 22 × 23
Power Consumption (kW)	54	54
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

50 kg
Extractor Processing Capacity Per Batch

350 Bar (5000 PSI)
Max. Extraction Pressure

70° C (158° F)
Max. Extraction Temperature



05

Special Separator Design

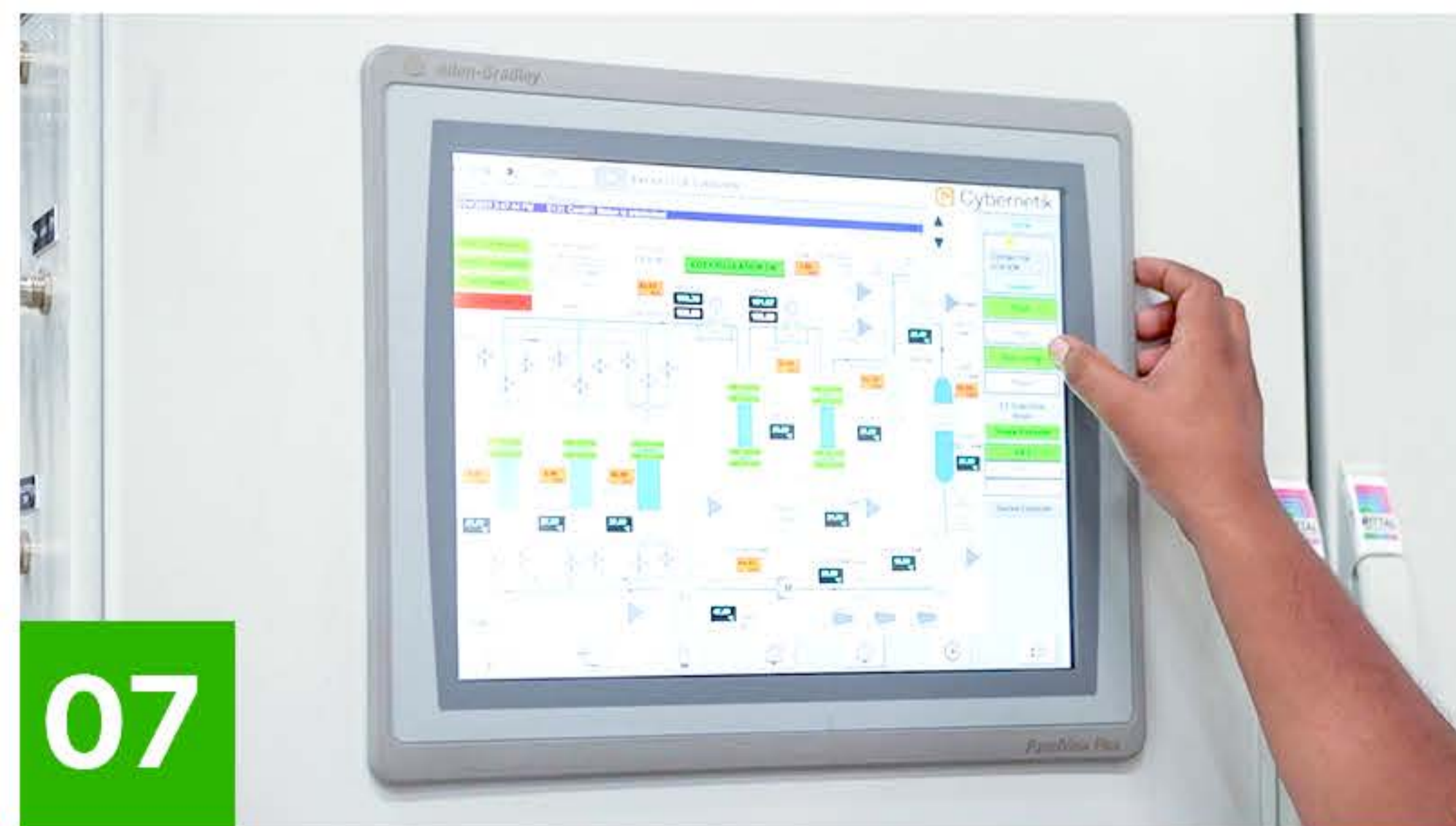
for easy collection of highly resinous and low-viscosity products



06

Proprietary Changeover Valves

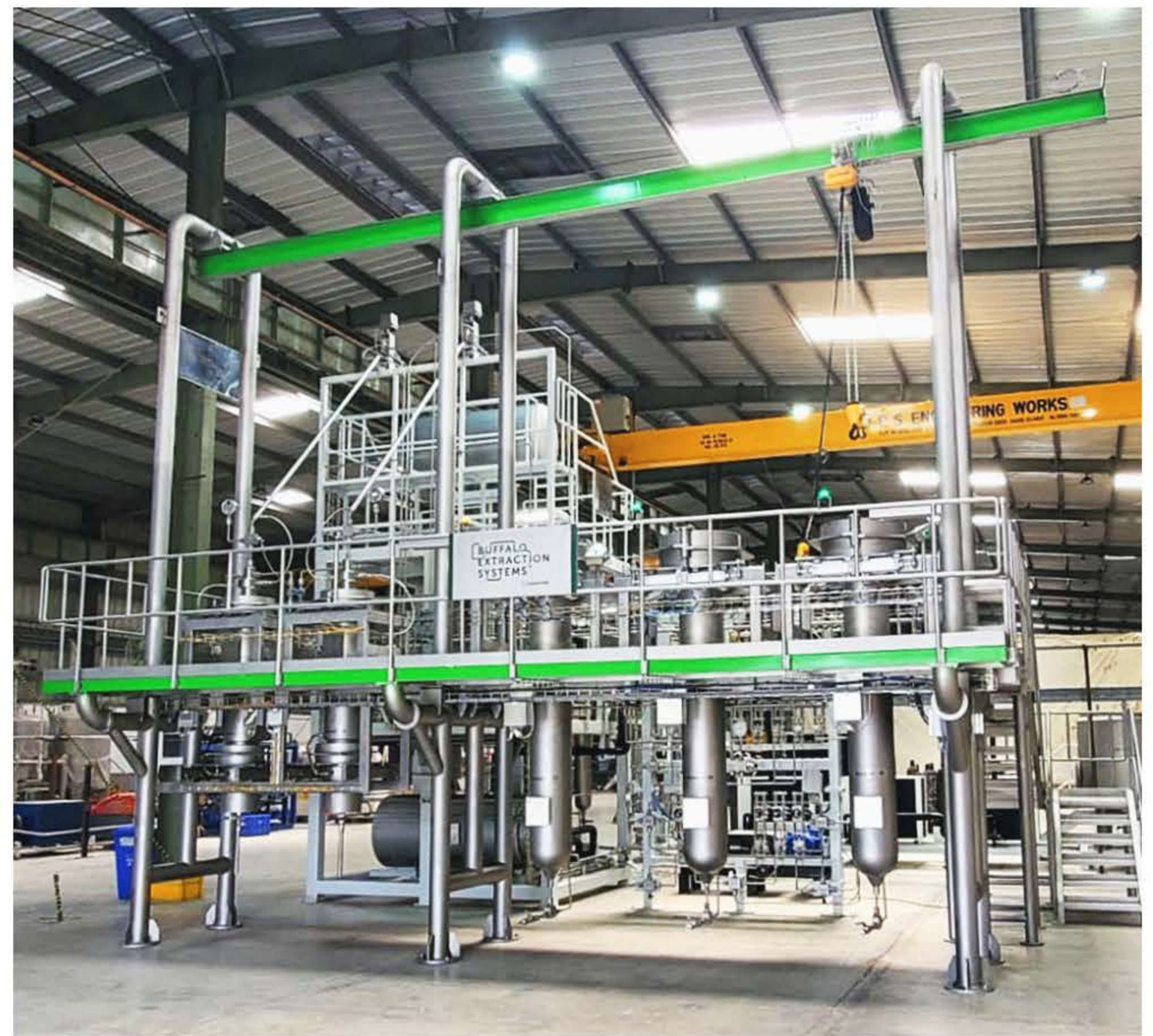
for quick changeovers and isolations, even at high pressures



07

Intuitive Intelligence

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



Engineering Layout - 100L x 3 System

(all dimensions in feet)

