

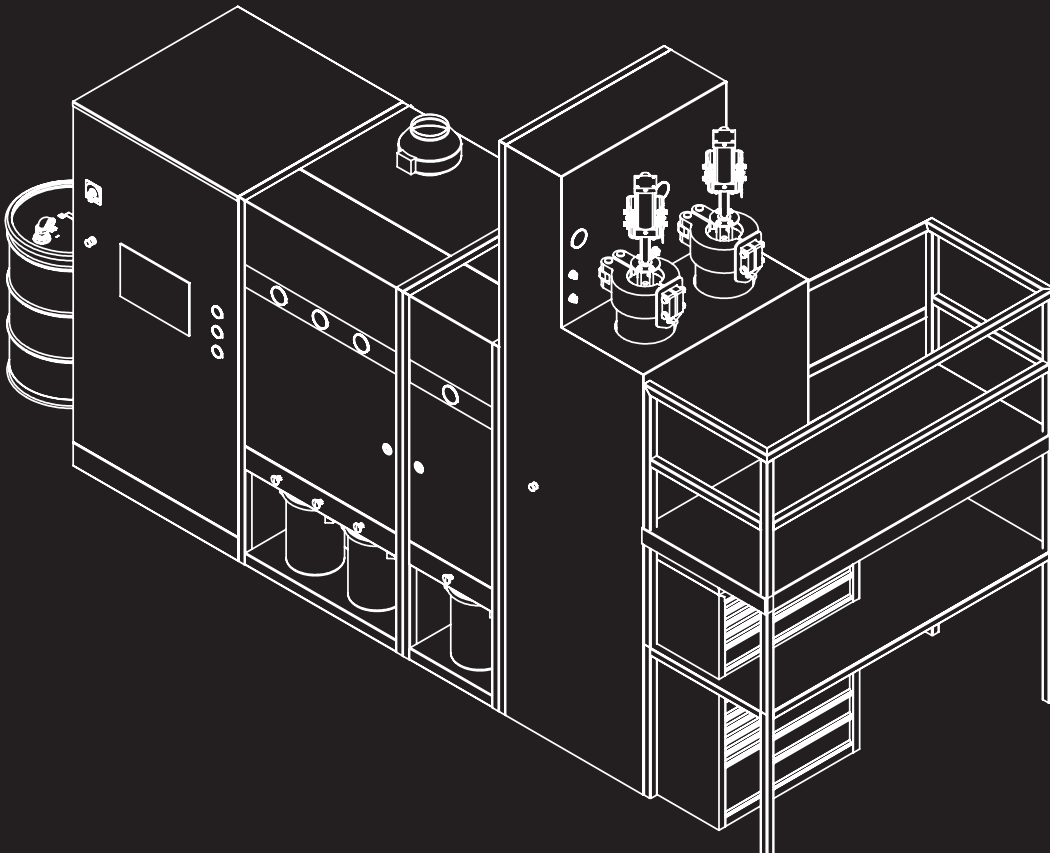
# VITALIS EXTRACTION TECHNOLOGY

## R-SERIES

R-200 | R-200+ | R-400 | R-400+

**MORE POWER.**  
**MORE POSSIBILITIES.**

*Extraction solutions designed to deliver quality, compliance, and unmatched results for extractors worldwide.*



### THROUGHPUT & PERFORMANCE

Up to 882 lbs/day (400 kg/day)\*†  
Integrated Dual-Solvent System



### CONTINUOUS OPERATION

Continuous Cyclone Separation  
Dual Extrator Configurations  
Static / Dynamic Extractions



### CO<sub>2</sub> RECOVERY & STORAGE

Closed-Loop CO<sub>2</sub>  
CO<sub>2</sub> Recovery & Recycling  
CO<sub>2</sub> Remediation Filters



### CONTROL PANEL

Multiple User Levels  
Real-Time Monitoring  
GMP-Compliant Software  
Cloud/Network Connectivity  
Live Batch Recording & Data Analytics



\* - Depending on SOP

† - Depending on Configuration

## EXTRACTION

Vessel Volume: 2 x 100L or 2 x 200L  
Optional Small-Batch/R&D Vessels Available  
Temperature Range: 10-200°F (-12-93°C) †  
Pressure Range: 500-5000 psi (35-345 bar) †



## SPECIFICATIONS

Weight: 7,915 lbs† (3,590 kg)  
Footprint (LxWxH): 195"x124"x157"†  
(4.95m x 3.15m x 1.45m)



## SITE REQUIREMENTS

Broadband Internet Connection  
Power Requirements (NA): 460V 3Φ 60Hz  
Power Requirements (Europe): 400V 3Φ 50Hz



## ADDITIONAL STANDARD FEATURES

316 Stainless Steel Contact Surfaces  
Flow Meter  
Quick-Closure Pressure Vessels  
Ethanol CIP - Clean-in-Place System  
High-Efficiency Heating and Cooling  
Automated Programmable Start-Up & Shut-Down  
Pre-loadable Biomass Options  
Pre-Loaded Recipes  
User Programmable Recipes  
Over-the-Air Software Updates  
Remote Diagnostics Capability  
Managed Project Implementation  
Professional Commissioning  
On-Site Operator Training  
Managed Door-to-Door Logistics



## SEPARATION & COLLECTION

Single or Dual Cyclonic Separation†  
Pressure Range: 300-720 psi (21-50 bar)  
Temperature Range: 40-100°F (4.4-38°C)  
Dedicated Terpene Collection



## CERTIFICATIONS, COMPLIANCE & WARRANTY

ASME/NB	CSA-CRN
PED-CE	CUL/UL
AS/NZS 1200	EU-GMP
	UKCA



Lifetime warranty<sup>Δ</sup> on all pressure vessels  
One-year warranty on all other components  
Service Plans Available

## OPTIONAL FEATURES

Dedicated CIP - Clean-in-Place Injection and Recovery with Alternate Solvent  
Inline Extraction Filtration  
Alternative Refrigerants  
Assisted Extraction Vessel Closure  
UPS for Non-Grid Tied Installations  
Extended Service Plan  
Bulk CO<sub>2</sub> Storage Solutions  
High Pressure Upgrade



## OPTIONAL GMP SUPPORT ASSETS

We provide a full GMP document turnover package including: URS, FRS, Requirement Traceability Matrix, PHA, FAT, SAT, IQ, OQ, PQ, Calibration Certificates, Technical Design Documents, Cleaning Validation Protocol, Wetted Materials Traceability, Software Disaster Recovery plan



Δ - Defined as 100,000 Cycles