

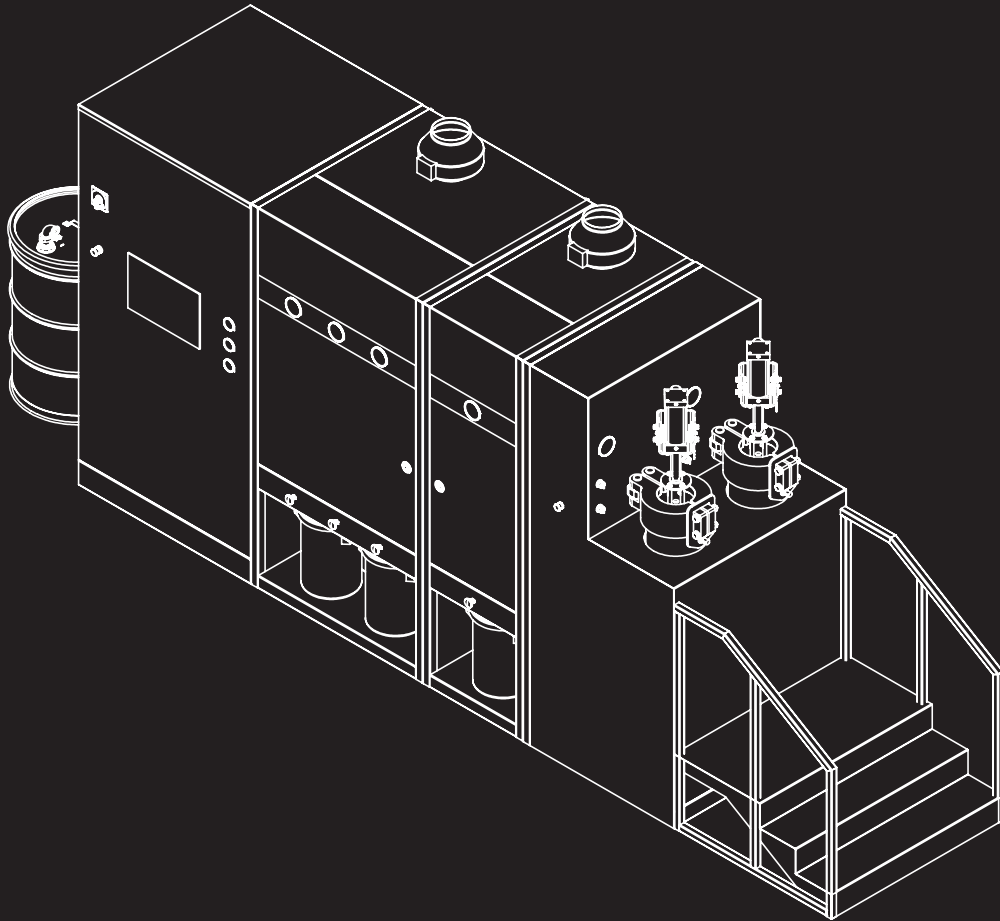
VITALIS EXTRACTION TECHNOLOGY

Q-SERIES

Q-20 | Q-40 | Q-45 | Q-65 | Q-90

MORE POWER.
MORE POSSIBILITIES.

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



THROUGHPUT & PERFORMANCE

Up to 330 lbs/day (150 kg/day)*†
Integrated Dual-Solvent System



CONTINUOUS OPERATION

Continuous Cyclone Separation
Dual Extrator Configurations
Static / Dynamic Extractions



CO₂ RECOVERY & STORAGE

Closed-Loop CO₂
CO₂ Recovery & Recycling
CO₂ 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

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



SPECIFICATIONS

Weight: 5400-6140 lbs† (2450-2785 kg)
 Footprint (LxWxH): 164"x54"x108"
 (4.2m x 1.4m x 2.8m)



SITE REQUIREMENTS

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



EXTRACTION

Vessel Volume: 20L/45L Combinations
 Total Extraction Vessel Volume: Up to 90L
 Temperature Range: 10-200°F (-12-93°C) †
 Pressure Range: 500-5000 psi (35-345 bar) †



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



CERTIFICATIONS, COMPLIANCE & WARRANTY

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

Lifetime warranty^Δ 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 CO₂ Storage Solutions
 Vessel Expansion
 Higher Pressure Configurations
 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