



# VITALIS

## Q-SERIES

Q-90-S | Q-90-HP | Q-180-S | Q-180-HP

### CERTIFICATIONS & COMPLIANCE

ASME-U / NB  
CUL / UL  
CSA-CRN

PED-CE  
EU-GMP  
compliant



### PHYSICAL SPECIFICATIONS

#### Q-90-S

System weight:  
5,400 lbs (2,450 kg)  
Footprint (S and HP): 164" x 54" x 108"  
Power requirements (North America):  
460 V / 3 Phase, 60 Hz  
Power requirements (Europe):  
400 V / 3 Phase, 50 Hz

#### Q-90-HP

System weight:  
6,140 lbs (2,790 kg)



### PUMP

#### Q-90-S

14.94 kg/min  
Positive displacement pump  
Liquid CO<sub>2</sub>  
Quick changeover piston seals

#### Q-90-HP

11.89 kg/min



### EXTRACTION

Vessel volume: 45 L  
Number of vessels: 2 per assembly,  
total volume of 90 L  
Extraction temperature range:  
35 - 155 °F (1.7 - 68 °C)  
Extraction pressure range:

#### Q-90-S:

0 - 2,950 psi

#### Q-90-HP:

0 - 4,950 psi



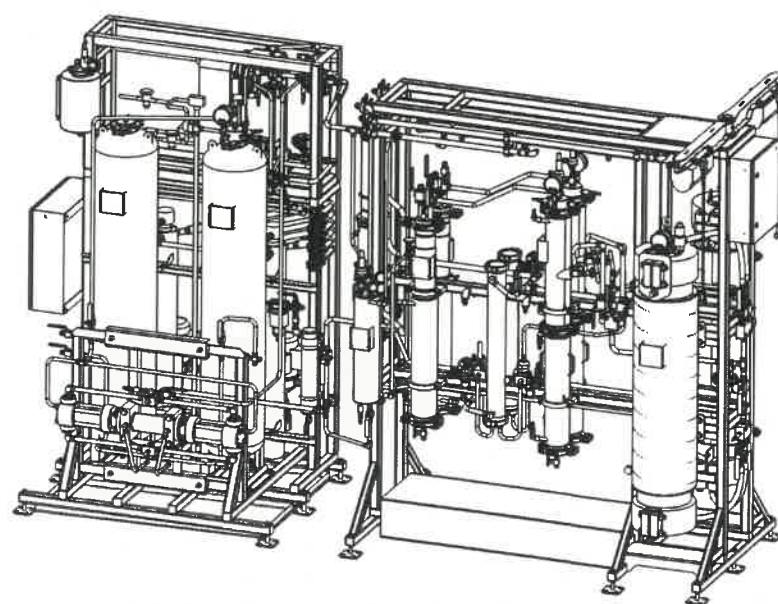
### SEPARATION & COLLECTION

2 cyclonic separators  
2 turbulent injection separators  
10 µm secondary separation filter  
Separation temperature range:  
40 - 120 °F (4.4 - 49 °C)  
terpene profile retention



### CONTINUOUS OPERATION

Dual extraction chambers  
Dual separation lines  
Clog-free operation  
Quick-closure clamps on pressure vessels



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

Number of vessels: 2  
Vessel volume (each): 100 L liquid CO<sub>2</sub>  
CO<sub>2</sub> recovery and recycling  
High-efficiency plated heat exchanger



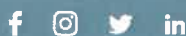
### CONTROL PANEL

Multiple user levels  
Real-time monitoring  
System logging for GMP-compliance  
Independent vessel control  
Cloud / Wi-Fi / ethernet  
Live batch recording and data analytics



### WARRANTY

Lifetime warranty on pressure vessels  
One-year extendable warranty on all  
other components  
Advanced Unit Replacement Program  
Next-business-day part replacement



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