

Powerful CENTRIFUGE and INTEGRATED SYSTEM Greatly Decrease Post Processing

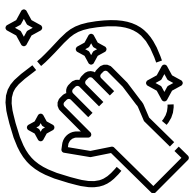
Verdara VAMPIRO

AT A GLANCE

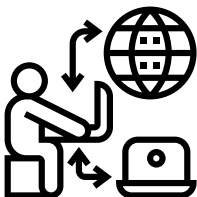
The VERDARA Extractor System is an industry leading automated end-to-end, cryogenically-chilled ethanol cannabis extractor capable of processing up to 120 lbs/Hr. of biomass at -40 C. It combines four traditionally separate and manually operated processing steps into one fully automated process.

FEATURES

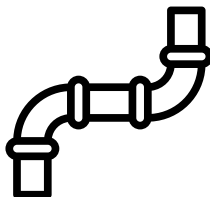
- ✓ Fully automated and recipe driven
- ✓ Interior Finish - Solvent-Wetted Areas >Ra72
- ✓ Principal Product-Touching Materials 316SS
- ✓ Sanitary Tri-Clamp process connections
- ✓ Ethernet (IoT Compatibility)
- ✓ Engineered and Made in the USA



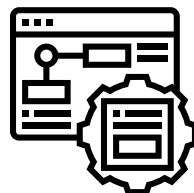
**EASILY
CLEANED**



**REMOTE
DIAGNOSTICS**



**SANITARY
CONNECTIONS**



**AUTOMATED
WITH DATA
ANALYTICS**



**FILTRATION / COLOR
REMEDICATION @ -40C
EXTRACTION**

WHO WE ARE

At Verdara, we provide high yield plant-based processing and extraction solutions for the cannabis and hemp industry.

VERDARATECH.COM

CONTACT OUR EXPERTS

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Verdara VAMPIRO Technical Details

SYSTEM SPECIFICATIONS

FOOTPRINT (CLASSIFIED AREA)

- Minimum 12FT x 12FT x 11FT Req.

ELECTRICAL REQUIREMENTS

- 480VAC or 240VAC 3PH

CAPACITY / PERFORMANCE

- Cooling: -40°F at 17KW
- Extraction: 40 lbs biomass / 35g ethanol
- Batch time: ~20 mins
- 98+% cannabinoid extraction efficiency
- 98+% solvent recovery from biomass
- 98+% solvent recovery from oil

COMPONENT SPECIFICATIONS

CENTRIFUGE

- 1800 RPM, 1300 RCF
- Food-Grade Shaft Seal
 - Includes Positive Pressure Barrier
- Vacuum jacketed basin
- Pneumatically operated lid and lid closures
- Operational Footprint: 55" x 32" x 40"

FILTRATION & FFE PROCESS SKID

- Operational Footprint:
 - 34" x 60" x 90" Skid

FOUR-STAGE FILTRATION

- Pre-filtration
- Micron level particulate removal
- Color remediation
- Final stage particulate filtration
- Sight glasses between stages

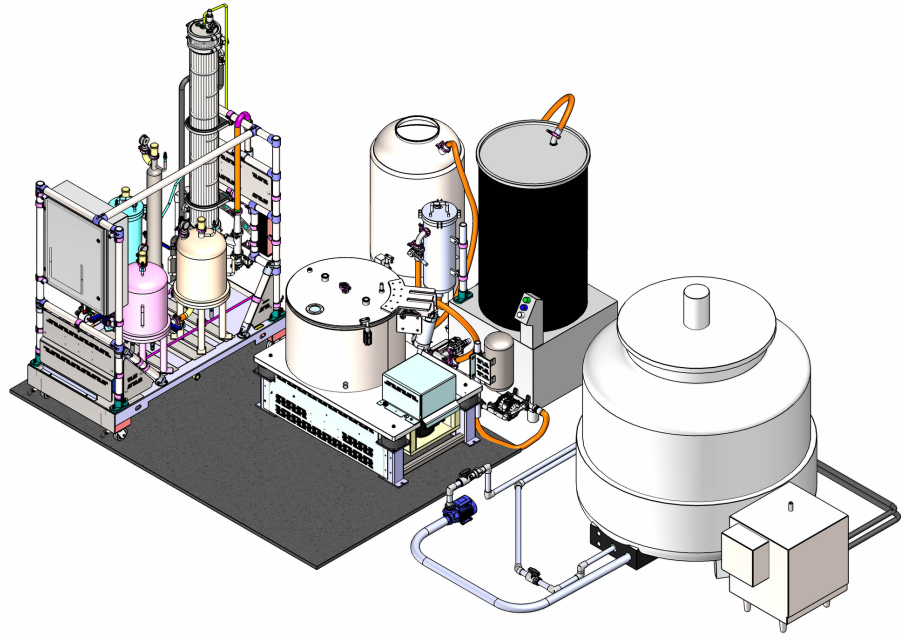
FALLING FILM EVAPORATOR

- FFE Efficiency: 98%
- FFE Recovery Rate: 90 GPH
- FFE Operational Temperature:
 - 200°F to 210°F

ANCILLARY EQUIPMENT

THE FOLLOWING EQUIPMENT IS SELECTED BASED ON SITE CONDITIONS, AND REQUIRED TO OPERATE THE SYSTEM

- Ethanol Chiller (C1D2) - LN2 or Mech.
- Water Heater and Pump (SAFE SPACE)
- Water Chiller and Pump (SAFE SPACE)



FEATURE LIST:

- ✓ PLC/HMI Control System with Touchscreen
- ✓ Rated Electrical Equipment
- ✓ Solvent Feed and Recovery Tanks
- ✓ Low Maintenance and Operational Costs
- ✓ Remote Monitoring and Logistics
- ✓ Custom "Recipe" Creation

