ETHANOL EXTRACTION TECHNOLOGY

U.S. PRICING

PROSPIANT

DELTA ETHANOL EXTRACTION

CUP-15

The CUP-15 is our flagship centrifuge system that uses programmable sequences to extract compounds from biomass. Combining closed-loop, cold alcohol extraction technology with mechanical centrifugation ensures a high-purity end-product. Certified ISO 9001.

10-15 LBS
(4.5-6.8 KG)
Plant Material Per Batch (depending on mill size)

10-15 MIN
Average Run Time (depending SOP)

13-15 GAL.
(49-56 LITERS)
Alcohol Requirement Per Run (single or multiple washes)

MADE IN USA

Patent # US 10.814.338 B2

CUP-15 TECHNICAL INFORMATION

VESSEL

- (1) 1" /2.54cm Tri-clamp: Alcohol Feed Port Sanitary Triclamp Fittings
- (1) 1.5" / 3.81cm Tri-clamp: Remote Discharge Vent
- 1.5" / 3.81 cm: Pressure Relief Vent
- 2" / 5.08 cm: Tri-Clamp Angled Drain
- Liquid/Vapor Tight (No pressure) Vessel
- 1 Gallon Jacket Volume
- 1/2" NPT Male Jacket Ports

CONTROLS

- Industrial HazLoc Control Panel
- Touchscreen HMI
- 20ft / 609.6 cm Tethered Main Control Panel (Installed Outside of HazLoc) 30' and 50' are Optional
- Dual Emergency Stop (System & Control Panel)
- Variable Frequency Drive: 0-1800 RPM
- Set up & Store Multiple Wash Programs

ELECTRICAL

- 230V Single-Phase Full-Load-Amperage (FLA): 17
- UL Certified Class 1 Div 1 3HP Motor
- UL-NEMA L6- R30 Plug

DIMENSIONS

- CUP-15: w/o Auxiliary Components
  37" L x 25.5" W x 63.1" H
  94 cm L x 65 cm W x 160 cm H
- Weight: 693 lbs / 314 kg
- Main Control Panel: 24" L x 32" W x 52" H

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sales@prospiant.com
www.prospiant.com

PROSPIANT

PRICING FOR THE UNITED STATES MARKET

ROOM TEMP

System	Equipment Cost	Biomass	Runs Per 8 Hours	Total Machine Run Time	Average Yield (%)	Approximate Processing Capacity (lb)	Raw Material Processed per 8 Hour Shift (lbs)	Average Alcohol Removed out of Biomass (%)
CUP-15	$66,950	Hemp/ Cannabis	32-48	4-6 washes 1 hour	92-98%	trim: 10–15	150-300	97

COLD TEMP

System	Equipment Cost	Biomass	Runs Per 8 Hours	Total Machine Run Time	Average Yield (%)	Approximate Processing Capacity (lb)	Raw Material Processed per 8 Hour Shift (lbs)	Average Alcohol Removed out of Biomass (%)
CUP-15	$66,950	Hemp/ Cannabis	32-40	3-4 washes 1 hour	90-96%	trim: 10–15	150	97

TRAINING:

- Basic system operations provided
- SOP development and optimization available

SHIPPING:

- Pricing available upon request

WARRANTY/SERVICE:

- 1 year limited warranty
- A comprehensive maintenance and service plan available
- Field service verification voucher from PSI available

FINANCING:

- Call 707-222-6066 for financing information

PURCHASE TERMS:

- 50% down, 50% upon completion
- System ships upon receipt of full payment
- Sales tax applies unless tax exempt

ASSUMPTIONS:

- Throughput and yield are dependent on the quality and condition of input material
- Throughput is also dependent on SOPs

Patents and/or Patents Pending at deltaseparations.com/patents/

Illustration purposes only. These calculations are based upon the sample performance of the listed Delta Separations systems operated under normal conditions and following proper procedures for operation and maintenance. Actual performance may vary and is not guaranteed. These hypothetical calculations include a number of input variables or "Assumpt ions" in which Delta Separations has no control and which may be different in actual practice for a particular customer or system. Prices are subject to change.

Delta CUP-15 Price List CHPRDS000006-01 (ENAQ) July 2021

psi

1 YEAR WARRANTY

UL

UL-508A

DELTA ETHANOL EXTRACTION
CUP-30

The CUP-30 is a large-capacity centrifuge system that uses closed-loop, cold ethanol technology and programmable sequences to extract compounds from biomass. With a throughput of 600~ lbs/8hrs, the CUP-30 is Certified ISO 9001.

25-30 LBS (11-13 KG) — Plant Material Per Batch (depending on mill size)

15-20 MIN — Average Run Time (depending SOP)

25-30 GAL. (94-113 LITERS) — Alcohol Requirement Per Run (single or multiple washes)

MADE IN USA

Patent # US 10.814.338 B2

CUP-30 TECHNICAL INFORMATION

VESSEL

- (1) 30 Gallon Jacketed Stainless Steel
  4.5 Gallons: Jacket Volume
- (1) 1" /2.54cm Tri-clamp: Alcohol Feed Port Sanitary Triclamp Fittings
- (1) 1.5" / 3.81cm Tri-clamp: Remote Discharge Vent
- 1.5" / 3.81 cm: Pressure Relief Vent
- 2" / 5.08 cm: Tri-Clamp Angled Drain
- Liquid/Vapor Tight (No pressure)
  Vessel with EPDM Lid Seal

ELECTRICAL

- 230V, 15 amp, Three-Phase
- UL Certified Class 1 Div 2 5HP Motor
- UL-NEMA L15-30 Plug

CONTROLS

- Industrial HazLoc Control Panel
- Touchscreen HMI
- 20ft / 609.6 cm Tethered Main Control Panel (Installed Outside of HazLoc) 30' and 50' are Optional
- Dual Emergency Stop (System & Control Panel)
- Variable Frequency Drive: 0-1800 RPM
- Set up & Store Multiple Wash Programs

DIMENSIONS

- CUP-30: w/o Auxiliary Components
  49" L x 27.5" W x 58.5" H
  124 cm L x 70 cm W x 149 cm H
- Weight: 890 lbs / 404 kg
- Main Control Panel:
  24" L x 32" W x 54" H
  60 cm L x 81 cm W x 137 cm H

ANCILLARY EQUIPMENT

- 1.4 Gallons: Discharge Vessel
  .5" Jacket Ports NPT Female
- Dimensions: 30" L x 30" W x 24" H
  76 cm L x 76 cm W x 61 cm H
  Weight x 114 lbs / 52 kg
  (1) *Barrier Fluid Reservoir
  Dimensions: 39" L x 18" W x 56" H
- 99 cm L x 46 cm W x 142 cm H
  Weight x 113 lbs / 51 kg

*Pressurized Nitrogen Supply is Required

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PRICING FOR THE UNITED STATES MARKET

ROOM TEMP

System	Equipment Cost	Biomass	Runs/Day	Total Machine Run Time	Average Yield (%)	Approximate Processing Capacity (lb)	Raw Material Processed per 8hrs (lbs)	Average Alcohol Removed out of Biomass (%)
CUP-30	$118,450	Hemp/ Cannabis	24-40	3-5 washes 1 hour	92-98%	trim: 20–30	480-720	97

COLD TEMP

System	Equipment Cost	Biomass	Runs/Day	Total Machine Run Time	Average Yield (%)	Approximate Processing Capacity (lb)	Raw Material Processed per 8hrs (lbs)	Average Alcohol Removed out of Biomass (%)
CUP-30	$118,450	Hemp/ Cannabis	24	3 washes 1 hour	90-96%	trim: 20–30	600	97

TRAINING:

- Basic system operations provided
- SOP development and optimization available

SHIPPING:

- Pricing available upon request

WARRANTY/SERVICE:

- 1 year limited warranty
- A comprehensive maintenance and service plan available
- Field service verification voucher from PSI available

FINANCING:

- Call 707-222-6066 for financing information

PURCHASE TERMS:

- 50% down, 50% upon completion
- System ships upon receipt of full payment
- Sales tax applies unless tax exempt

ASSUMPTIONS:

- Throughput and yield are dependent on the quality and condition of input material
- Throughput is also dependent on SOPs

Patents and/or Patents Pending at deltaseparations.com/patents/

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CUP-30 Price List CHPRDS000008-01 (ENAQ) July 2021

psi

1 YEAR WARRANTY

UL

UL-508A

DELTA ETHANOL EXTRACTION
UL CUP-15

The NEW 2020 CUP Series alcohol extraction system is now fully patented (Patent #10814338), UL/CUL 1389, and ISO 9001 certified. This makes the CUP Series the first US-manufactured extraction equipment to adhere to these respected industry-wide standards. This reduces business risk by expediting approval by your local AHJ (Authority Having Jurisdiction) to help get your lab up and running fast.

10-15 LBS
(4.5-6.8 KG)
Plant Material Per Batch (depending on mill size)

10-15 MIN
Average Run Time (depending SOP)

13-15 GAL.
(49-56 LITERS)
Alcohol Requirement Per Run (single or multiple washes)

MADE IN USA **Patent # US 10.814.338 B2**

UL CUP-15 TECHNICAL INFORMATION

VESSEL

- (1) 1" /2.54cm Tri-clamp: Alcohol Feed Port Sanitary Triclamp Fittings
- (1) 1.5" / 3.81cm Tri-clamp: Remote Discharge Vent
- 1.5" / 3.81 cm: Pressure Relief Vent
- 2" / 5.08 cm: Tri-Clamp Angled Drain
- Liquid/Vapor Tight (No pressure) Vessel
- 1 Gallon Jacket Volume
- 1/2" NPT Male Jacket Ports

CONTROLS

- Industrial HazLoc Control Panel
- Touchscreen HMI
- 20ft / 609.6 cm Tethered Main Control Panel (Installed Outside of HazLoc) 30' and 50' are Optional
- Dual Emergency Stop (System & Control Panel)
- Variable Frequency Drive: 0-1800 RPM
- Set up & Store Multiple Wash Programs

ELECTRICAL

- 230V Single-Phase Full-Load-Amperage
- (FLA): 17
- UL Certified Class 1 Div 1 3HP Motor
- UL-NEMA L6- R30 Plug

DIMENSIONS

- CUP-15: w/o Auxiliary Components
  66" L x 34" W x 64.5" H
  168 cm L x 86 cm W x 164 cm H
- Weight: 693 lbs / 314 kg
- Main Control Panel: 24" L x 32" W x 52" H

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PROSPIANT

PRICING FOR THE UNITED STATES MARKET

ROOM TEMP

System	Equipment Cost	Biomass	Runs Per 8 Hours	Total Machine Run Time	Average Yield (%)	Approximate Processing Capacity (lb)	Raw Material Processed per 8 Hour Shift (lbs)	Average Alcohol Removed out of Biomass (%)
UL CUP-15	$77,250	Hemp/ Cannabis	32-48	4-6 washes 1 hour	92-98%	trim: 10–15	150-300	97

COLD TEMP

System	Equipment Cost	Biomass	Runs Per 8 Hours	Total Machine Run Time	Average Yield (%)	Approximate Processing Capacity (lb)	Raw Material Processed per 8 Hour Shift (lbs)	Average Alcohol Removed out of Biomass (%)
UL CUP-15	$77,250	Hemp/ Cannabis	24-32	3-4 washes 1 hour	90-96%	trim: 10–15	150	97

TRAINING:

- Basic system operations provided
- SOP development and optimization available

SHIPPING:

- Pricing available upon request

WARRANTY/SERVICE:

- 1 year limited warranty
- A comprehensive maintenance and service plan available
- Field service verification voucher from PSI available

FINANCING:

- Call 707-222-6066 for financing information

PURCHASE TERMS:

- 50% down, 50% upon completion
- System ships upon receipt of full payment
- Sales tax applies unless tax exempt

ASSUMPTIONS:

- Throughput and yield are dependent on the quality and condition of input material
- Throughput is also dependent on SOPs

Patents and/or Patents Pending at deltaseparations.com/patents/

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Delta UL CUP-15 Price List CHPRDS000007-01 (ENAQ) July 2021

1 YEAR WARRANTY

UL 1389 and UL 508A

DELTA ETHANOL EXTRACTION
UL CUP-30

The NEW 2020 CUP Series alcohol extraction system is now fully patented (Patent #10814338), UL/CUL 1389, and ISO 9001 certified. This makes the CUP Series the first US-manufactured extraction equipment to adhere to these respected industry-wide standards. This reduces business risk by expediting approval by your local AHJ (Authority Having Jurisdiction) to help get your lab up and running fast.

25-30 LBS (11-13 KG) — **Plant Material Per Batch (depending on mill size)**

15-20 MIN — **Average Run Time (depending SOP)**

25-30 GAL. (94-113 LITERS) — **Alcohol Requirement Per Run (single or multiple washes)**

MADE IN USA

Patent # US 10.814.338 B2

UL CUP-30 TECHNICAL INFORMATION

VESSEL

- (1) 1" /2.54cm Tri-clamp: Alcohol Feed Port Sanitary Triclamp Fittings
- (1) 1.5" / 3.81cm Tri-clamp: Remote Discharge Vent
- 1.5" / 3.81 cm: Pressure Relief Vent
- 2" / 5.08 cm: Tri-Clamp Angled Drain
- Liquid/Vapor Tight (No pressure)
  Vessel with EPDM Lid Seal
  1/2" Jacket Ports NPT Female
- 4.5 Gallons: Jacket Volume

ELECTRICAL

- 230V, 15 amp, Three-Phase
- UL Certified Class 1 Div 1 5HP Motor
- UL-NEMA 20 Plug

CONTROLS

- Industrial HazLoc Control Panel
- Touchscreen HMI
- 10ft / 305 cm Tethered Purged Main Control Panel (Installed Inside of HazLoc)
- Emergency Stop (Control Panel)
- Variable Frequency Drive: 0-1800 RPM
- Set up & Store Multiple Wash Programs

DIMENSIONS

- CUP-30: w/o Auxiliary Components
  60.5" L x 34" W x 64.5" H
  153.7 cm L x 86 cm W x 164 cm H
- Weight: 1040 lbs / 472 kg
- Main Control Panel:
  26.5" L x 30" W x 46" H
  67 cm L x 76 cm W x 117 cm H

ANCILLARY EQUIPMENT

- 1.4 Gallons: Discharge Vessel
  .5" Jacket Ports NPT Female
  Dimensions: 30" L x 30" W x 24" H
  76 cm L x 76 cm W x 61 cm H
  Weight x 114 lbs / 52 kg
  (1) *Barrier Fluid Reservoir Attached to System
  *Pressurized Barrier Fluid Tank Max, 15psi

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PRICING FOR THE UNITED STATES MARKET

ROOM TEMP

System	Equipment Cost	Biomass	Runs/Day	Total Machine Run Time	Average Yield (%)	Approximate Processing Capacity (lb)	Raw Material Processed per 8hrs (lbs)	Average Alcohol Removed out of Biomass (%)
UL CUP-30	$133,900	Hemp/ Cannabis	24-40	3-5 washes 1 hour	92-98%	trim: 20–30	480-720	97

COLD TEMP

System	Equipment Cost	Biomass	Runs/Day	Total Machine Run Time	Average Yield (%)	Approximate Processing Capacity (lb)	Raw Material Processed per 8hrs (lbs)	Average Alcohol Removed out of Biomass (%)
UL CUP-30	$133,900	Hemp/ Cannabis	24	3 washes 1 hour	90-96%	trim: 20–30	600	97

TRAINING:

- Basic system operations provided
- SOP development and optimization available

SHIPPING:

- Pricing available upon request

WARRANTY/SERVICE:

- 1 year limited warranty
- A comprehensive maintenance and service plan available
- Field service verification voucher from PSI available

FINANCING:

- Call 707-222-6066 for financing information

PURCHASE TERMS:

- 50% down, 50% upon completion
- System ships upon receipt of full payment
- Sales tax applies unless tax exempt

ASSUMPTIONS:

- Throughput and yield are dependent on the quality and condition of input material
- Throughput is also dependent on SOPs

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UL CUP-30 Price List CHPRDS000009-01 (ENAQ) July 2021

psi

1 YEAR WARRANTY

UL

UL 1389 and UL 508A

DELTA ETHANOL EVAPORATION
FFE-45

The FFE-45 falling film evaporator is ideal for botanical oil separation and alcohol recovery from biomass tincture. A high evaporation rate increases throughput of crude oil production, eliminating the need for large rotary evaporator systems.

200 — **Maximum amp requirement**

45 — **Gallons per hour Recovered (170 liters)**

High Output, Continuous Operation

MADE IN USA

FFE-45 TECHNICAL INFORMATION

ANCILLARY EQUIPMENT

- **Recirculating Electric Heater**
  Heating power:
  *Option 1: 96 amps @ 230V three-phase
  *Option 2: 48 amps @ 460V three-phase
  (Requires professional installation)
  Transfer Fluid Flow: 25 GPM (25-40 PSI)
  Max temp: 180° F / 120° C
  Transfer Fluid Line Connections: 1.5" FNPT
  Dimensions: 33" L x 17" W x 52" H
  83 cm L x 43 cm W x 132 cm H
  Approx. 255 lbs / 116 kg
- **Pump Chiller**
  21.2 amps @ 230V, single-phase
  Cooling Power: 1.5 ton
  Coolant Flow: 3.5 GPM
  Ambient Temperature: -10°F–35° F
  Dimensions: 30.5" L x 19" W x 26" H
  77 cm L x 48 cm W x 66 cm H
  Weight: 340 lbs / 154 kg

*Please Specify Power Preference

ANCILLARY EQIPMENT, CONT.

- **7 HP Water Chiller**
  Option 1: 42 amps @ 230 V, three-phase
  Option 2: 21 amps @ 460 V, three-phase
  (Requires professional installation)
  Cooling Power: 5 ton
  Evaporating Temperature: 122° F–180° F
  Coolant Line Connections: 1" FNPT
  Dimensions: 34" W x 61" L x 49" H
  86 cm W x 155 cm L x 125 cm H
  Shipping Weight: 1200 lbs / 544 kg
  Performance ratings based on ambient temperature below 85° F
  Professional Install sheets from Manufacturer

ELECTRICAL

- **Condenser Pump Cart:**
  230V, 7.1 amps, three-phase
  460V, 3.6 amps, three-phase

DIMENSIONS

- **Evaporator**
  41" L x 32" W x 99" H
  104 cm L x 81 cm W x 249 cm H
- **Pump Cart**
  52" L x 32" W x 74" H
  132 cm L x 81 cm W x 188 cm H

WEIGHT

- Evaporator: Approx. 400 lbs / 181 kg
- Pump Cart: Approx. 600 lbs / 272 kg

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System	Equipment Cost	Source Material	Total Machine Run Time	Average Yield (%)	Approximate Processing Capacity (GPH)	Approximate Processing Capacity (L/H)	Ethanol Removal Efficiency	Ethanol Recovered Every 8hrs (Gal)	Ethanol Recovered Every 8hrs (Liters)
FFE-45	$159,650	Ethanol Tincture	continuous	92-98%	45	170	90–95%	360	1362

TRAINING:

- Basic system operations provided
- SOP development and optimization available

SHIPPING:

- Pricing available upon request

WARRANTY/SERVICE:

- 1 year limited warranty
- A comprehensive maintenance and service plan available
- Field service verification voucher from PSI available

FINANCING:

- Call 707-222-6066 for financing information

PURCHASE TERMS:

- 50% down, 50% upon completion
- System ships upon receipt of full payment
- Sales tax applies unless tax exempt

ASSUMPTIONS:

- Throughput and yield are dependent on the quality and condition of input material
- Throughput is also dependent on SOPs

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psi

1 YEAR WARRANTY

UL

UL-508A

DELTA ETHANOL EVAPORATION
FFE-60

The FFE-60 falling film evaporator is ideal for botanical oil separation and alcohol recovery from biomass tincture. A high evaporation rate increases throughput of crude oil production, eliminating the need for large rotary evaporator systems.

220 — **Maximum amp requirement**

60 — **Gallons per hour Recovered (227 liters)**

High Output, Continuous Operation

MADE IN USA

FFE-60 TECHNICAL INFORMATION

ANCILLARY EQUIPMENT

- **Recirculating Electric Heater**
  Heating power:
  *Option 1: 96 amps @ 230V three-phase
  *Option 2: 48 amps @ 460V three-phase
  (Requires professional installation)
  Transfer Fluid Flow: 25 GPM (25-40 PSI)
  Max temp: 180° F / 120° C
  Transfer Fluid Line Connections: 1.5" FNPT
  Dimensions: 33" L x 17" W x 52" H
  83 cm L x 43 cm W x 132 cm H
  Approx. 255 lbs / 116 kg
- **Pump Chiller**
  21.2 amps @ 230V, single-phase
  Cooling Power: 1.5 ton
  Coolant Flow: 3.5 GPM
  Ambient Temperature: -10°F–35° F
  Dimensions: 30.5" L x 19" W x 26" H
  77 cm L x 48 cm W x 66 cm H
  Weight: 340 lbs / 154 kg

*Please Specify Power Preference

ANCILLARY EQIPMENT, CONT.

- **14 HP Water Chiller**
  Option 1: 68 amps @ 230 V, three-phase
  Option 2: 34 amps @ 460 V, three-phase
  (Requires professional installation)
  Cooling Power: 10 ton
  Evaporating Temperature: 122° F–180° F
  Coolant Line Connections: 1.5" FNPT
  Dimensions: 48" W x 84" L x 62" H
  122 cm W x 213 cm L x 1158 cm H
  Shipping Weight: 1850 lbs / 839 kg
  Performance ratings based on ambient temperature below 85° F
  Professional Install sheets from Manufacturer

ELECTRICAL

Condenser Pump Cart:

- 230V, 7.1 amps, three-phase
- 460V, 3.6 amps, three-phase
- 208V, 7.9 amps, three-phase (Additional $2,000)

DIMENSIONS

- **Evaporator**
  41" L x 32" W x 99" H
  104 cm L x 81 cm W x 249 cm H
- **Pump Cart**
  52" L x 32" W x 74" H
  132 cm L x 81 cm W x 188 cm H

WEIGHT

- Evaporator: Approx. 400 lbs / 181 kg
- Pump Cart: Approx. 600 lbs / 272 kg

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PROSPIANT

PRICING FOR THE UNITED STATES MARKET

System	Equipment Cost	Source Material	Total Machine Run Time	Average Yield (%)	Approximate Processing Capacity (GPH)	Approximate Processing Capacity (L/H)	Ethanol Removal Efficiency	Ethanol Recovered Every 8hrs (Gal)	Ethanol Recovered Every 8hrs (Liters)
FFE-60	$200,850	Ethanol Tincture	continuous	90-95%	60	227	90–95%	480	1817

TRAINING:

- Basic system operations provided
- SOP development and optimization available

SHIPPING:

- Pricing available upon request

WARRANTY/SERVICE:

- 1 year limited warranty
- A comprehensive maintenance and service plan available
- Field service verification voucher from PSI available

FINANCING:

- Call 707-222-6066 for financing information

PURCHASE TERMS:

- 50% down, 50% upon completion
- System ships upon receipt of full payment
- Sales tax applies unless tax exempt

ASSUMPTIONS:

- Throughput and yield are dependent on the quality and condition of input material
- Throughput is also dependent on SOPs

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FFE-60 Price List CHPRDS000011-01 (ENAQ) July 2021

psi

1 YEAR WARRANTY

UL

UL-508A

DELTA ETHANOL EXTRACTION
RFD-27

Our rolled film short path distillation technology is the final step in producing high-quality, beautifully clear distillate (90-95% concentration). Deliver distillate at fast speeds — without needing to break deep vacuum for ultra-refinement of oil.

4-5 | **Liters Per Hour (170 liters)**

1 | **Single Operator**

SMALL OPERATIONAL FOOTPRINT

MADE IN USA

RFD-27 TECHNICAL INFORMATION

COMPONENTENTS

- Vacuum System
  *Gauge Controls
  100V-240V, 6 amps, single-phase, 50/60 Hz
  1x NEMA 5-15
  *Vacuum Pump
  100V-240V, 10/6 amps, single-phase, 50/60 Hz
  1x NEMA 5-15
- Heating and Cooling System
  **Heater 1 – Evaporator
  230V, 13 amps, single-phase, 50/60 Hz
  1x NEMA 6-20 plug
  **Heater 2 – Feed Vessel
  1kW, 230V, 9 amps, single-phase
  1x NEMA 6-20 plug
  **Chiller – Condensor 230V, 16 amps, single-phase
  1x NEMA 6-20 plug
  **(Optional) Discharge Gear Pumps for True Continuous Operation

ELECTRICAL

- 110v & 230v Single-Phase,
- Full-Load-Amperage (FLA): 60

VACUUM SYSTEM

- Turbo pump: 240 liters per second
- Roughing scroll pump: 12.7 m2 per hour

ROLLER CONTROLLER

- 100-240V, 1 amp, single-phase
- 1x NEMA 5-15 plug

DIMENSIONS

- 67" L x 24" W x 77.54" H
- 170 cm L x 61 cm W x 197 cm H

FEED PUMP

- 110V, 5 amps, single-phase, 50/60 Hz
- 1x NEMA 5-15 plug

WEIGHT

- 600 lbs / 272 kg

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PROSPIANT

PRICING FOR THE UNITED STATES MARKET

System	Equipment Cost	Total Machine Run Time Per 8hrs	Source Material	Approximate Input Processing Capacity (L/H)
RFD-27	$156,560	continuous	Decarb and Filtered	4–5

TRAINING:

- Basic system operations provided
- SOP development and optimization available

SHIPPING:

- Pricing available upon request

WARRANTY/SERVICE:

- 1 year limited warranty
- A comprehensive maintenance and service plan available
- Field service verification voucher from PSI available

FINANCING:

- Call 707-222-6066 for financing information

PURCHASE TERMS:

- 50% down, 50% upon completion
- System ships upon receipt of full payment
- Sales tax applies unless tax exempt

ASSUMPTIONS:

- Throughput and yield are dependent on the quality and condition of input material
- Throughput is also dependent on SOPs

Patents and/or Patents Pending at deltaseparations.com/patents/

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RFD-27 Price List CHPRDS000012-01 (ENAQ) July 2021

1 YEAR WARRANTY

UL-508A

DELTA SOLVENTLESS VTS-50

The Vortex Trichome Separator system utilizes cold water and ice in a double-vortex flow pattern to gently remove trichome heads from their stalks, yielding a much cleaner solventless hash product.

SOLVENTLESS

VORTEX AGITATION

12-15 KILOS DRY HASH PER 24 HOUR SHIFT*

*RESULTS VARY DEPENDING ON SOP AND BIOLOGICAL MAKEUP OF SOURCE MATERIAL

MADE IN USA

VTS-50 TECHNICAL INFORMATION

VTS SYSTEM

- 50 gallon jacketed basin
- Sanitary food grade stainless steel construction
- Low temperature operation
- Chiller connection reduces ice needed
- Hinged access window
- Jacketed port sizes ½" FNPT
- Fresh water inlet port size: 1½" tri clamp
- Drain port: 2" tri clamp
- Dimensions: 41.25" W x 41.11" D x 52.67" H (105 cm W x 104 cm D x 134 cm H)
- Weight: 777 lbs / 352 kg

ELECTRICAL

VTS System*:

- Input Voltage: 208-230V 1-phase/3-phase, 50/60Hz
- Full-Load Amperage (FLA): 16A/10A

VTS Fluid Transfer Pump*:

- Input Voltage: 208-230V 1-phase/3-phase, 50/60Hz
  Full-Load Amperage (FLA): 14.4A/7.2A

*VTS-50 System and transfer pump each ship with L6-20P twist lock plugs. For three-phase operation, replace with L15-20P twist lock plugs.

CONTROLS

- Fully programmable user controls and recipes
- Manual Agitation Mode: 100-800 RPM
- Siemens Logic Controller and HMI

PUMP CART

- Ultra low shear
- Variable flow rate: 5-130 GPM
- Wireless remote: stop/start, FWD/REV, increase/decrease speed
- Inlet and outlet: 1.5" X 1.5" tri clamp
- Max head: 70 FT (30 PSI)
- Cart: 2-wheel, 304SS with handle as shown
- Sanitary food grade stainless steel construction
- Dimensions: 32.55" L x 43.81" H x 18" W (82.7cm L x 111.3cm H x 45.7cm W)
- Weight: 120 lbs / 54.4 kg

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PROSPIANT

PRICING FOR THE UNITED STATES MARKET

System	Equipment Cost	Total Machine Run Time per Day (hours)	Biomass	Runs/Day	Average Yield (%)	Approximate Processing Capacity (g)	Approximate Processing Capacity (lb)	Raw Material Processed per 8hrs (kg)	Raw Material Processed per 8hrs (lbs)	Average Yield per Run (g)	Average Yield per Day (g/day)
VTS-50	$45,000	8	Hemp/ Cannabis	3-5	10-15% by weight	flower: 9071	flower: 20	36	80	1360.65	5442.60
						trim: 5443-6803	trim: 12-15	27	60	1020.45	4081.80
						bags: 3628	bags: 8	15	32	544.20	2176.80

TRAINING:

- Basic system operations provided
- SOP development and optimization available

SHIPPING:

- Pricing available upon request

WARRANTY/SERVICE:

- 1 year limited warranty
- A comprehensive maintenance and service plan available
- Field service verification voucher from PSI available

FINANCING:

- Call 707-222-6066 for financing information

PURCHASE TERMS:

- 50% down, 50% upon completion
- System ships upon receipt of full payment
- Sales tax applies unless tax exempt

ASSUMPTIONS:

- Throughput and yield are dependent on the quality and condition of input material
- Throughput is also dependent on SOPs

Patents and/or Patents Pending at deltaseparations.com/patents/

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VTS-50 Price List CHPRDS000013-01 (ENAQ) July 2021

1 YEAR WARRANTY

UL-508A

DELTA ETHANOL EXTRACTION
DC-40

The DC-40 direct chiller eliminates the use of cumbersome ultra-low freezers. Quickly chill alcohol to -40 °C in 20 minutes within a compact footprint, saving valuable lab space and post-processing time.

DIRECT CHILLING

CHILL 30 GALLONS ETHANOL TO -40°C IN 20 MINUTES

DESIGNED IN CONJUNCTION WITH CUP SYSTEMS

MADE IN USA

DC-40 TECHNICAL INFORMATION

SYSTEM

- Low Amperage
- Touchscreen HMI
- ETL Certified / C1D2 / Peer Reviewed
- Capable of Chilling Filtered Tincture

ELECTRICAL

Option 1:

- 208V-240V, three-phase
- Full-Load-Amperage (FLA): 50

Option 2:

- 460V-480V, three-phase
- Full-Load-Amperage (FLA): 25

DIMENSIONS

- Ethanol Chilling Tank
  48" W x 38" D x 57" H
  122 cm W x 96.5 cm D x 145 cm H
  Weight: 575 lbs / 261 kg
- Condensing Unit
  96" W x 45.25" D x 56" H
  244 cm W x 115 cm D x 142 cm H
  Weight: 1,500 lbs / 680 kg

CONTROLS

- VFD for Ethanol Pump
- Microprocessor Controller for Refrigeration Skid
- Modbus or Ethernet Controller Compatibility

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PROSPIANT

PRICING FOR THE UNITED STATES MARKET

System	Equipment Cost	Total Machine Run Time per Shift (hours)	Source Material	Designed for Continuous Operation	Total Machine Run Time	Approximate Processing Capacity (GPH)	Approximate Processing Capacity (L/H)
DC-40	$77,250	8	Filtered Tincture Pure Ethanol 190-200 proof	24	20 minutes per batch	90	340

TRAINING:

- Basic system operations provided
- SOP development and optimization available

SHIPPING:

- Pricing available upon request

WARRANTY/SERVICE:

- 1 year limited warranty
- A comprehensive maintenance and service plan available
- Field service verification voucher from PSI available

FINANCING:

- Call 707-222-6066 for financing information

PURCHASE TERMS:

- 50% down, 50% upon completion
- System ships upon receipt of full payment
- Sales tax applies unless tax exempt

ASSUMPTIONS:

- Throughput and yield are dependent on the quality and condition of input material
- Throughput is also dependent on SOPs

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DC-40 Price List CHPRDS000014-01 (ENAQ) July 2021

psi

1 YEAR WARRANTY

UL

UL-508A

DELTA ETHANOL EXTRACTION

FILTRATION SKID

All of your filtering needs can be reached and optimized using our4-stage filter train to achieve the desired clarity and color. This includes pre-filtration, particulate and haze removal, wax removal, decolorization, and final fine particulate removal.

PARTICULATE FILTRATION

COLOR REMEDIATION

ONBOARD PUMP FOR TINCTURE TRANSFER

FILTRATION SKID TECHNICAL INFORMATION

STANDARD FEATURES

- T-316L stainless steel housings and piping
- Air driven Pump to control flow from 0-15
- GPM0-60 psi stainless steel pressure gauges
- V-Band clamp closures
- Gasket materials: EPDM
- Sight glass for color/clarity monitoring
- Inlet and outlet drains
- Non-Adjustable legs with foot pads
- Dimensions: 51" W x 43.2" D x 63" H (129.5 cm W x 109 cm D x 160 cm H)
- Weight: 620 lbs / 281 kg

APPLICATIONS

- Pre-Filtration
- Dewaxing
- Clarification
- Decolorization
- Final Fine Particulate Removal

OPERATIONAL FEATURES

- Stainless Steel Jacket for liquid heating or cooling
- ASME Code
- Explosion proof electric motor (C1D1) if required

ADVANTAGES

- Efficient processing all in one assembly
- All filters plumbed together neatly
- No hoses to trip over
- Easy to clean
- One stop shopping

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PROSPIANT

PRICING FOR THE UNITED STATES MARKET

System	Equipment Cost	SPECIFICATIONS	12PY1	12PY2	12PY3	12PY4
FILTRATION SKID	$23,690	STANDARD HEIGHT	38.6 in (981 mm)	49.5 in (1257 mm)	60.7 in (1542 mm)	71.6 in (1819 mm)
		STANDARD WIDTH - BASE	19.1 in (485 mm)	19.1 in (485 mm)	19.1 in (485 mm)	19.1 in (485 mm)
		STANDARD WIDTH - DOME	12.75 in (324 mm)	12.75 in (324 mm)	12.75 in (324 mm)	12.75 in (324 mm)
		WEIGHT - EMPTY	75 lbs (34.1 kg)	93 lbs (42.0 kg)	114 lbs (51.8 kg)	132 lbs (59.7 kg)
		VOLUME - EMPTY	1809 in^3 (29.7 l)	3185 in^3 (29.7 l)	4569 in^3 (74.9 l)	5946 in^3 (97.5 l)
		VOLUME w/PAK CARTRIDGE	1222 in^3 (20 l)	2025 in^3 (33.2 l)	2837 in^3 (46.5 l)	3641 in^3 (59.7 l)
		MEDIA DIAMETER	12 inch (305 mm)	12 inch (305 mm)	12 inch (305 mm)	12 inch (305 mm)
		NUMBER OF CELLS PER PAK	16	16	16	16
		FILTER AREA	18.5 ft^2 (1.72 m^2)	37 ft^2 (3.44 m^2)	55.5 ft^2 (5.16 m^2)	64 ft^2 (5.95 m^2)
		AVERAGE FLOW RATE	1 gpm/ft^2 (3.79 l/ m^2)	1 gpm/ft^2 (3.79 l/ m^2)	1 gpm/ft^2 (3.79 l/ m^2)	1 gpm/ft^2 (3.79 l/ m^2)

TRAINING:

- Basic system operations provided
- SOP development and optimization available

SHIPPING:

- Pricing available upon request

WARRANTY/SERVICE:

- 1 year limited warranty
- A comprehensive maintenance and service plan
- Field service verification voucher from PSI

FINANCING:

- Call 707-222-6066 for financing information

PURCHASE TERMS:

- 50% down, 50% upon completion
- System ships upon receipt of full payment
- Sales tax applies unless tax exempt

ASSUMPTIONS:

- Throughput and yield are dependent on the quality and condition of input material
- Throughput is also dependent on SOPs

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Filtration Skid Price List Updated July 2021

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1 YEAR WARRANTY

UL

UL-508A

DELTA COMPLIANT PROCESSING LAB

PRO-POD

Designed with a focus on safety, compliance and maximizing production, the PRO-POD Max reduces time to permit by providing a fully C1D2 certified environment. Our portable and modular lab space will accommodate a variety of configurations.

RELOCATABLE/FLEXIBLE/EPANDABLE

FAST-TRACK PERMITTING

C1D2 CERTIFIED/ FM GLOBALLY/NFPA

MADE IN USA

PRO-POD TECHNICAL INFORMATION

STANDARD FEATURES

- 4-Hour Fire Rated, Insulated, Non-Combustible Steel
- Epoxy Coated Secondary Containment with Removable Galvanized Supports and Grating
- Heavy Gauge Steel Walls with Tube Frame and 10 Gauge Floor
- Forklift Pockets
- Seismic Tie Down Pads
- Interior Ceiling Height 8'6" / 262 cm Approx.
- Two Part Chemical Resistant Paint Interior and Exterior
- Interior Ground Lugs with Exterior Ground Connection, Rod and Wire
- DOT Placard and NFPA Rating Sign
- NEMA 3R 400 Amp Load Center (1 Phase or 3 Phase)
- Class 1 Div 1 Interior Lights
- Class 1 Div 1 Roof Mounted Exhaust Fans

STANDARD FEATURES, CONT.

- Class 1 Div 1 Vapor Sensor with Redundant Roof Mounted Exhaust Fan*
- Class 1 Div 1 Interior Exit Light with Back Up Battery
- Exterior Push Button Call Station*
- Dry Chemical Fire Suppression System*
- Wall Mounted Gravity Fed Self Contained Eyewash Station
- 4 Exterior Mounted GFCI Service Outlets
- Condenser Pump Cart:
- 230V, 7.1 amps, three-phase
- 460V, 3.6 amps, three-phase

DIMENSIONS

- 50' 6" W x 10' D x 10' H
  1542 cm W x 305 cm D x 305 cm H

CONTROLS

- C1D2 A/C Unit
- C1D1 Heater
- C1D1 Receptacle
- C1D1 Switch
- Additional NEMA 3R 400 Amp 3 Phase Panel
- Plumbing Package†
- Electrical Package†

**Tied into Alarm Bell*
†Designed to support Prospiant Equipment
$Additional Costs

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www.prospiant.com

PROSPIANT

ETHANOL STORAGE

- Ethanol Storage
- 4-Hour Fire Rated, Insulated, Non-Combustible Steel
- Epoxy Coated Secondary Containment with Removable Galvanized Supports & Grating
- Heavy Gauge Steel Walls with Tube Frame and 10 Gauge Floor
- Forklift Pockets
- Seismic Tie Down Pads
- Interior Ceiling Height 8'6" (Approx.)
- Two Part Chemical Resistant Paint Interior and Exterior
- Interior Ground Lugs with Exterior Ground Connection, Rod and Wire
- DOT Placard & NFPA Rating Sign
- NEMA 3R 100 Amp Load Center 1 Phase
- Class 1 Div 1 Interior Light
- Class 1 Div 1 Roof Mounted Exhaust Fan
- Dry Chemical Fire Suppression System Tied into Alarm Bell

ETHANOL STORAGE OPTIONAL EQUIPMENT

- C1D2 A/C Unit
- C1D1 Heater
- C1D1 Receptacle
- C1D1 Switch
- LEL System with Redundant Fan and Alarm

UTLITY ROOM OPTIONAL EQUIPMENT

- General Purpose A/C Unit with Heat Pump
- Credit for Single Wall Construction

UTILITY ROOM

- Double Wall Insulated Non-Combustible Steel Storage Building
- Plywood Subfloor with VCT Flooring
- Heavy Gauge Steel Walls with Tube Frame and 10 Gauge Floor
- Forklift Pockets
- Seismic Tie Down Pads
- Interior Ceiling Height 8'6" (Approx.)
- Two Part Chemical Resistant Paint Interior and Exterior
- 3 Each 120V 20 Amp Receptacles
- DOT Placard AND NFPA Rating Sign
- NEMA 3R 100 Amp Load Center 1 Phase
- 4' LED Light Fixture with Exterior Switch

TRAINING:

- Basic system operations provided
- SOP development and optimization available

SHIPPING:

- Pricing available upon request

WARRANTY/SERVICE:

- 1 year limited warranty
- A comprehensive maintenance and service plan
- Field service verification voucher from PSI

FINANCING:

- Call 707-222-6066 for financing information

PURCHASE TERMS:

- 50% down, 50% upon completion
- System ships upon receipt of full payment
- Sales tax applies unless tax exempt

ASSUMPTIONS:

- Throughput and yield are dependent on the quality and condition of input material
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Pro-Pod Price List Updated July 2021

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1 YEAR WARRANTY

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