



# AES ALCOHOL EXTRACTION SKID

THE BREAKDOWN

MANUFACTURED IN THE USA

## WHY CHOOSE US?

- Cold Clean Ethanol Extraction
- PSI Third-Party Reviewed & Certified
- Two Loads, Per Vessel, Per Hour
- Optional Fluid Density Meters
- Optional Tank Level Controls
- Optional In-Line Chilling
- 30-50 LBS Load Size Per Material Vessels (2X)
- 1,700 LBS to 2,000 LBS of Bio-Mass Material in 12 Hours of Processing
- Minimal Post-Extraction Filtration & Clean Up
- Proudly 100% Engineered & Fabricated In-House

## WHAT'S INCLUDED?

### STAINLESS ALCOHOL EXTRACTION SKID

- (2X) 26 Gallon Material Vessels Liquid Dimple-Jackets & Cryogenic Insulation
- Large Process Skid on 6 Pharma Casters
- Transfer Lines with Clean Room Insulation
- (2X) American made Liquid Solvent Pumps w/ -90 Mechanical seals & C1D1 Motors
- Pinnacle Stainless™ 200 Gallon Holding Tank
- Pinnacle Stainless™ 90 Gallon Saturated Holding Tank
- UL Listed Explosion Proof Control Box
- System Operating Manual
- System Training On-Site
- PSI Third Party Peer-Review Sent To Local Fire District

## ELECTRICAL SPECS

20 Amp Circuit of 208/240/480v 3 Phase

\*System output can vary



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# IN-LINE CHILLING



**-40C ETHANOL SYSTEM**  
THE BREAKDOWN

MANUFACTURED IN THE USA

## KEY FEATURES

PINNACLE STAINLESS™ -40C ETHANOL CHILLING SYSTEM

- Addition to Upgrade AES System to In-Line Chilling
- Food Grade Compliant
- Reduces Overall Ethanol Usage
- 100% Engineered & Fabricated in House
- 3rd Party Engineer Peer Reviewed
- UL Listed Hazardous Location Control Panel
- Proudly Built in Denver, Colorado
- Initial Cool-Down: 4 Hours
- Continuous -40C at 60 Gal/Hr

## WHAT'S INCLUDED?

PINNACLE STAINLESS™ ROOM TEMPERATURE TO -40C ETHANOL CHILLING SYSTEM

- Primary Chiller (22"W x 24"L x 36"H)
- Secondary Chiller (45"W x 113"L x 95"H)
- Pinnacle Stainless Custom Heat Exchanger
- Modified 200 Gallon AES Tank
- Modified 90 Gallon AES Tank
- Automated Control Panel
- Liquid Leveling Controls
- Liquid Drive Pump with Custom Seals
- Pneumatic Control Valves
- Temperature Monitoring Controls



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