



# AV100

## AUTOVAP™ SERIES AUTOMATED SOLVENT RECOVERY SYSTEMS



**UP TO 100 US GAL/HR\***  
(378 LITERS) Per Hour Recovery



**COMPLETE AUTOMATION**  
Easy to Read Display



**95-99% SOLVENT RECOVERY**  
Precise Parameters/Control



**LOW RESIDENCE TIME**  
Less than 3 Minutes



**CID2 COMPLIANT**  
Hazloc Motors & Intrinsically Safe HMI



**PEER ENGINEER REVIEWED**  
Streamlined Safety Approval Process



**UL 508B COMPLIANT**  
US & Canada



**MADE IN USA**  
Highest Standard of Quality & Testing

## LARGE-SCALE SOLVENT RECOVERY

With a recovery rate of up to 100 gallons per hour, and continuous, automated operation, the AV100 recovers 95%+ solvent in one pass.

Lower your footprint, costs, and time of operation while eliminating any bottlenecks with the AutoVap. Find out why all the leaders in the extraction industry are turning to TruSteel.

## CONDENSING PREHEATER

The AV100 recovers heat from evaporation and uses it to preheat the feed stock. It also uses the temperature differential of the feed liquid to partially condense the vapor from evaporation. Colder feed stock will increase the performance, and allows the energy required to achieve subzero temperatures to be recovered and reused.



## STANDARD FEATURES

- Up to 100 US Gal/Hr Recovery\*
- 95-99% Removal 1st Pass
- <3 Minute Residence Time
- Fully Automated Operation
- Fail Safes, Alarms, Data Logging, Remote Control
- Material: Stainless Steel, PTFE, & Borosilicate
- Compatible With: Ethanol, Methanol, Heptane, Hexane, Acetone, Acetonitrile
- UL Listed Ancillary Equipment Included: Heating System, Cooling System, and Vacuum
- Solvent Resistant Touch Screen
- Engineer Reviewed for Safe Operation in Hazardous Locations
- USA and Canadian UL 508B Listed
- Installation, Training & Support Included
- 1 Year Warranty

## TOTAL AMPERAGE

Facility Power	480V	240V
Phase	3Ø	3Ø
Total Amps (ELECTRIC HEATER)	296	590
Total Amps (GAS HEATER)	150	300



## SPECIFICATIONS

**CHILLER (30 TON COOLING POWER)**  
 460V/3Ø/121A  
 135 x 53 x 96 (LxWxH inches)  
 2648 lbs. (empty weight)

### VACUUM PUMP

Powered by PLC

### WATER HEATER SKID

72 x 96 x 48 (LxWxH inches)

### WATER PUMP CONTROL PANEL

230-240V/3Ø/28A

### OPTION 1: ELECTRIC

240V/3Ø/290A  
 480V/3Ø/146A

### OPTION 2: GAS

400K BTU  
 3/4" GAS CONNECTION

### CONTROL PANEL [PLC]

208-240V / 1Ø / 27.5A  
 8 x 36 x 48 (LxWxH inches)

### AV100 FOOTPRINT

36 x 48 x 108 (LxWxH inches)

\*Different solvents may result in varied recovery rates.