TruSteel

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

C1D2 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.
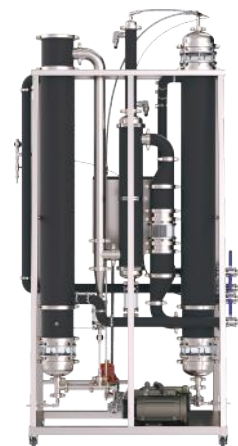
CONDENSING PREHEATER

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.

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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/440A
480V/3Ø/221A

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.