



MODULAR DESIGN WITH SCALABILITY FOR ALL POSSIBILITIES

Installation	Winterization	Automation	Processing	Ethanol Recovery	Capacity	Product
MODULAR	-60 °C	OPTIONAL	~80 LBS /CENTRIFUGE	~97%	CUSTOMIZABLE	CRUDE

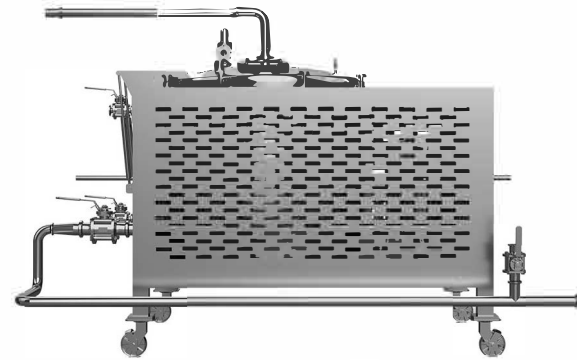
C E M S

* Actual layout and structure may vary for different needs



PRE-CHILLING

- MOC SUS304
- Dimple jacketed
- Fully insulated
- -60°C / -76F working temperature
- From 52 gal to 260 gal
- Level control system (optional)
- Flow rate control (optional)
- Movable skid with brakes



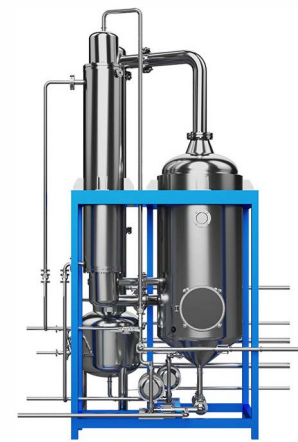
CENTRIFUGE

- MOC SUS316L
- Jacketed and insulated
- Scalable for massive processing
- From 25 LBS to 80 LBS each
- Biomass to ethanol ratio 1 LBS to 1 gal
- Level control system (optional)
- Siemens control PLC (optional)
- Unique design
- Movable skid with brakes



FILTRATION

- MOC SUS304
- Filter model optional:
bad filter 50 micron; micro filter;
titanium rod filter
- Holding tank integrated
- Transfer pump integrated
- Level control system (optional)
- Movable skid with brakes



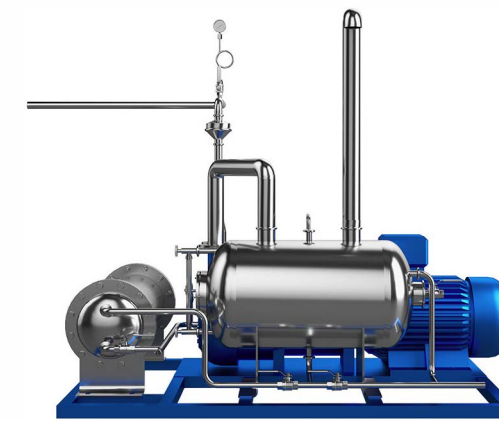
FALLING FILM

- MOC SUS316L & SUS304
- Evaporation cap.: 200L/h to 1000L/h
- Oil heating circulator (optional)
- High efficiency for ethanol recovery
- Movable skid with brakes



DECARB REACTOR

- MOC SUS316L & SUS304
- Capacity: from 26 gal to 132 gal
- Oil heating circulator 150°C / 302F (optional)
- Insulated and jacketed
- Movable skid with brakes



VACCUM STATION

- Sliding-vane rotary vacuum pump
- Vacuum buffer tank
- Explosion-proof
- Movable skid with brakes

UTILITIES

For whom is building from scratch, utilities circualtors are available for optional:

- Chilling circulator
- Cooling circulator
- Oil heating circualtor

INSTALLATION

Modular designed sections, sitting on movable skids, easily fit for different sizes of workshop, with full potential for further expanding.

Simply connect each section with the sanitary hoses comes with the system. Plug it, add biomass and ethanol, it's all good to go.

ELECTRICAL

All pumps and motors are explosion-proof, pre-checked before shipping.

UL rated motors available.
Runs @ 460V 60Hz 3 Phase or as per your requirements.

SERVICE

On-site training and guidance of installation services available.

MOC certificate, explosion-proof certificate, QC, UL and CE.

1 year parts and service warranty.