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DUAL-STAGE ROLLED FILM DISTILLATION SYSTEM


80.TF


DISTILLATION SYSTEM


50 L/HR INPUT


80.TF is a dual-stage rolled film distillation system for high volume distillate production. Durable PTFE rollers provide consistent film thickness over dual 0.81 m² stainless steel evaporator bodies to produce clear, high-potency oils. Jacketed tank automatically feeds the evaporator for continuous, uninterrupted operation. Touchscreen UL panel interface allows precise control of all temperature and vacuum parameters. Heat traced lines with metered dispensing directly to 55 gallon drum.


Decimal ENGINEERED SYSTEMS

-  Fully jacketed system

-  Dual-Stage PTFE Rollers

-  Automated Continuous Feed

-  Intuitive Touchscreen HMI

-  Made in USA

SYSTEM HIGHLIGHTS

- Reinforced PTFE rollers provide consistent film thickness for optimal distillation
- Evaporator surface area 0.81 m² per stage (1.62 m² total)
- Stainless steel body for efficient heat transfer
- 100 L jacketed feed pot with automated transfer
- Up to 50 L / hr. feed rate
- Jacketed gear pump with metered discharge for continuous operation
- Touchscreen control of all distillation parameters
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- Temperature controlled lines eliminate need for heat guns or heating tape
- Expert on-site training with distillation parameters included



EQUIPMENT SPECIFICATIONS



Dimensions	114"L x 60"W x 118"H
Support Frame	304 SS Frame
Feed System	<ul style="list-style-type: none"> • 100 L Jacketed Feed Pot • Gear pump feed metering system • Hot oil transfer line
Evaporator	<ul style="list-style-type: none"> • 316 SS • 0.8 m² surface area per stage • Up to 50 L / hr. feed rate
Sample Collection	<ul style="list-style-type: none"> • First stage distillate output, Second stage distillate output, Residue output • Hot oil traced lines and gear pumps
Warranty**	Lifetime stainless steel warranty. TCUs and vac pumps carry mfr. warranty.

TECHNICAL SPECIFICATIONS



Circulators	<ul style="list-style-type: none"> • Hot oil circulator for feed and evaporator 48 kW, 0 - 250°C • Hot oil traced transfer lines circulator 3 kW, 0 - 200°C • Condenser circulator, 10 kW cooling / 5 kW heating, 0 - 85°C • Cold trap circulator, -80°C
Vacuum System	<ul style="list-style-type: none"> • Two (2) rotary vane vacuum pumps 108 m³ / hr. • Turbomolecular pump 225 L / sec., with backing rotary vane pump 308 m³ / hr.
Control System	<ul style="list-style-type: none"> • UL 508 rated electrical control panel • Touchscreen interface
Compliance	UL 508 GMP