

# MULTI-MODE IMMERSION RETORT

## IR-134

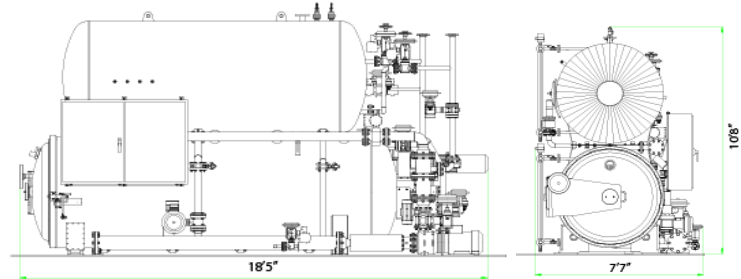
1 IN STOCK



The Sundry IR-134 Multi-Mode Immersion Retort is designed for full or partial water immersion modes with or without rotation.



The IR-134 is equipped with all the features and accessories necessary to thermally process rigid, semi-rigid and flexible packages in an optimal fashion. The unit is also equipped with our web launched ICON retort management system. All critical process data is stored in a secure SQL database and delivered via our FDA / USDA accepted report and trending application.



### FEATURES

- Full or partial water immersion modes with or without rotation
- Manual door, side hinged
- Automatic individual clampdown assembly – one per cage
- Internal trunnion roller assemblies
- Valve configuration includes combination of Fisher analog control valves with digital positioners and Baumann on/off valves
- Rotor drive – provides rotation speed range of 2 – 24 rpm
- Counterbalanced rotor design for smooth operation and ease of maintenance
- Visual indicator of water level in both the process and storage vessels
- Storage Vessel includes manhole and manual drain valve
- Lifting eyes to aid in unloading Storage Vessel and Process Vessel

### SPECIFICATIONS

- Vessel is built in stainless steel ASTM-304L
- Mineral wool insulation covered by stainless steel cladding
- Four cage capacity

### INSTRUMENTATION

- Heat exchanger with stainless steel plates for heating and cooling
- Filter for water circulation circuit protection
- Flowmeter for water circulation monitoring
- Durable analog control valves (pneumatic)
- Water circulation pump
- Cold water booster pump
- MIG or ATID Reference Instrument
- Pressure safety valve
- Chart recorder, two pen (temperature and pressure)
- Temperature transmitters (2) – Storage Vessel and Process Vessel
- Pressure transmitters (2)– Storage Vessel and Process Vessel
- Analog level probes (2) – Storage Vessel and Process Vessel
- Safety relief valves – two for storage vessel and two for process vessel

IR-134 RETORT	
STORAGE VESSEL DIAMETER	1300mm (51")
PROCESS VESSEL DIAMETER	1300mm (51")
LENGTH	18'5"
WIDTH	7'7"
HEIGHT	10'8"
BASKET CAPACITY	4
BASKET DIMENSIONS	37" X 37" X 35"
WEIGHT (EMPTY, INCLUDING BASKETS)	18,000 LB
WEIGHT (LOADED)	40,000 LB
STEAM CONSUMPTION (lbs/BATCH)	1300-1500
WATER CONSUMPTION (gal/BATCH)	2000-2500
AIR CONSUMPTION (cu.ft./BATCH)	35-40
MAXIMUM SERVICE TEMPERATURE	329 F
MAXIMUM SERVICE PRESSURE	87 psi
STEAM SUPPLY PRESSURE	87 psi
WATER SUPPLY PRESSURE	43 psi

### CONTROL SYSTEM

- Standard STOCK ICON<sup>LE</sup> Control System
- Allen Bradley CompactLogix controller
- 15" Color HMI (Operator Interface)
- Multiple recipe storage (virtually unlimited)
- Graphical interface with real time trending
- Stainless steel electrical cabinet
- Modem for remote maintenance / troubleshooting

### STANDARD ACCESSORIES

- Includes (4) standard Model 1300 galvanized steel product cages
- Optional Divider Mats
- Optional Trolley guide

### PRICING

- Price valid on "in stock" unit only
- Price **includes** ICON<sup>LE</sup> Control System
- Price excludes startup, testing and delivery