PRODUCT DATA SHEET

PARVUS™ PILOT EVAPORATOR

Overview

Introducing the RELCO Parvus Pilot evaporator, the ultimate solution for efficient product trials in both laboratory and production environments. Its compact design ensures optimal use of limited areas, while small batch processing reduces raw material costs, making trials more economical than ever. Achieve rapid prototyping, faster market entry and effortless scalability from pilot to full-scale production without sacrificing quality. Engineered for high efficiency, it offers precise control over critical parameters with advanced instrumentation and controls that can be tailored to meet specific process needs. Coupled with real-time monitoring and a range of available utilities, this user-friendly evaporator is perfect for diverse applications.

Product at a Glance

The Parvus Pilot Evaporator is designed to support controlled, repeatable pilot-scale evaporation across a wide range of applications.

- Evaporation Rate: 83 lb/hr
- Solids Discharge: Up to 60%+ total solids

Key Features

Process Performance

- Single-effect tubular falling film (TVR)
- High efficiency evaporation
- Tighter heat & mass balance

Control & Instrumentation

- Customizable instrumentation
- Precise temperature and pressure control
- Real-time monitoring

Operational Benefits

- CIP & sanitation ready
- Low-point drain for 100% product recovery
- Secure inspection platform

Application Value

- Ideal for R&D and product trials
- Scalable from pilot to full scale production

Technical Specifications

Utilities & Requirements

- Dimensions: 7'6" L X 7'6" W x 9'3" H
- Power: 30 Amps / 460V / 3-Phase / 60 Hz
- Cooling Water: 11.3 GPM (95°F supply / 113°F return)
- Steam: 60 lb/hr @ 80-100 PSIG
- Utility Air: 10 SCFM
- Recirculation Rate: 30-40 GPM
- Product Feed: Feed tank manway or automated level control

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