

Convap Scraped Surface Evaporator

Mfg: Alfa Laval

Model: CONVAP

Stock No. ME2051.

Serial No.

Convap Scraped Surface Evaporator.

WORKING PRINCIPLE

The product is pumped into the lower end of the CONVAP heat exchange cylinder. Heating media flows in the annular space between the heat-transfer wall and the insulated jacket. Mechanical agitation, provided by the revolving blades, creates the conduction and convection conditions required for heat transfer. The scraping blades, centrifugal action of the rotor, and vacuum all contribute to vaporization which occurs in the custom designed vapour dome.

APPLICATION

The CONVAP, a modified CONTHERM, functions as a compact, scraped-surface evaporator. It is particularly suited for concentrating viscous, sticky or heat sensitive products, and is normally operated under vacuum conditions as the final evaporation stage to achieve very high concentrations of solids.

FEATURES

- Optimizing thermal efficiency
- Saving floor space
- High concentrations of solids
- Complies with strict international standards of hygiene

OPTIONS

- Alternative drive systems are available.
- Rotors in different sizes: 3.00-in. (76-mm), 4.00-in. (102-mm), 4.50-in. (114-mm).

Convap Evaporator System



