Kelvion

Clean process: No chemical or solvents needed

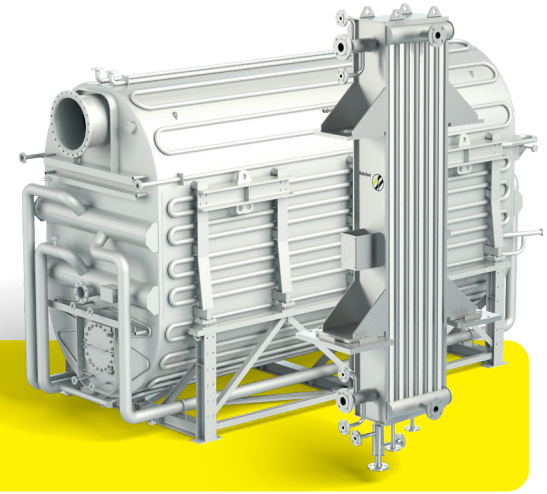
Separation efficiency up to 99,5 %

Minimal space requirements due to compact design

www.kelvion.com

Process Heat Transfer Solutions

DESUBLIMATORS

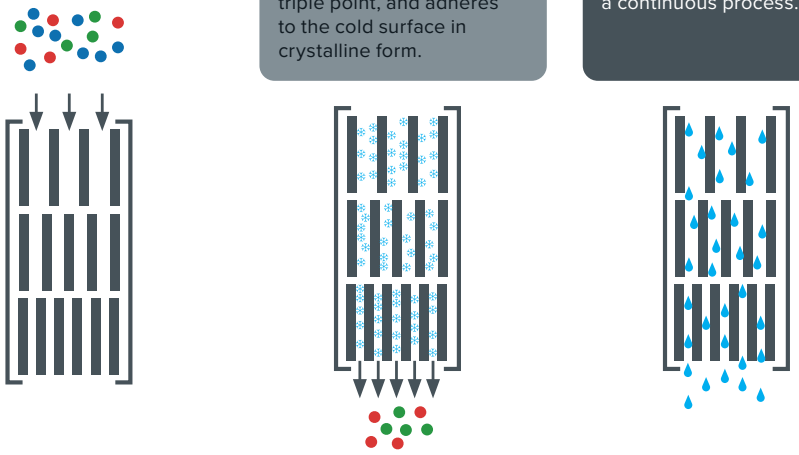


PRINCIPLE

Gas mixture enters the desublimator.

The gas mixture flows through cooled lamellas/ fins where the part to be separated desublimates either around or below its triple point, and adheres to the cold surface in crystalline form.

The crystallized product is melted off as soon as the desublimator is fully loaded. Using a minimum of two desublimators allows a continuous process.



DESIGN PARAMETERS

GAS FLOW

5 kg/h — 40.000 kg/h

DESIGN PRESSURE

Vacuum — 50 barg / 725 psi

DESIGN TEMPERATURE

-150 °C / -238 F — 500 °C / 932 F

MARKETS

- Oil & Gas
- Chemicals
- Food & Beverage

SUITABLE APPLICATIONS

- Carbon Capture
- Product separation
- Environmental protection
- Tank venting
- Vacuum Systems
- Recovery of materials

SUITABLE SUBSTANCES

Carbon Dioxide
Water
Chloro aniline
PHTHALIC ANHYDRIDE
Oligomers
AMINOPHENOL
Polylactide
NAPHTHALENE
Polymers
IODINE
TDA
GLYCOLIDE
Naphthol
Amylphenol