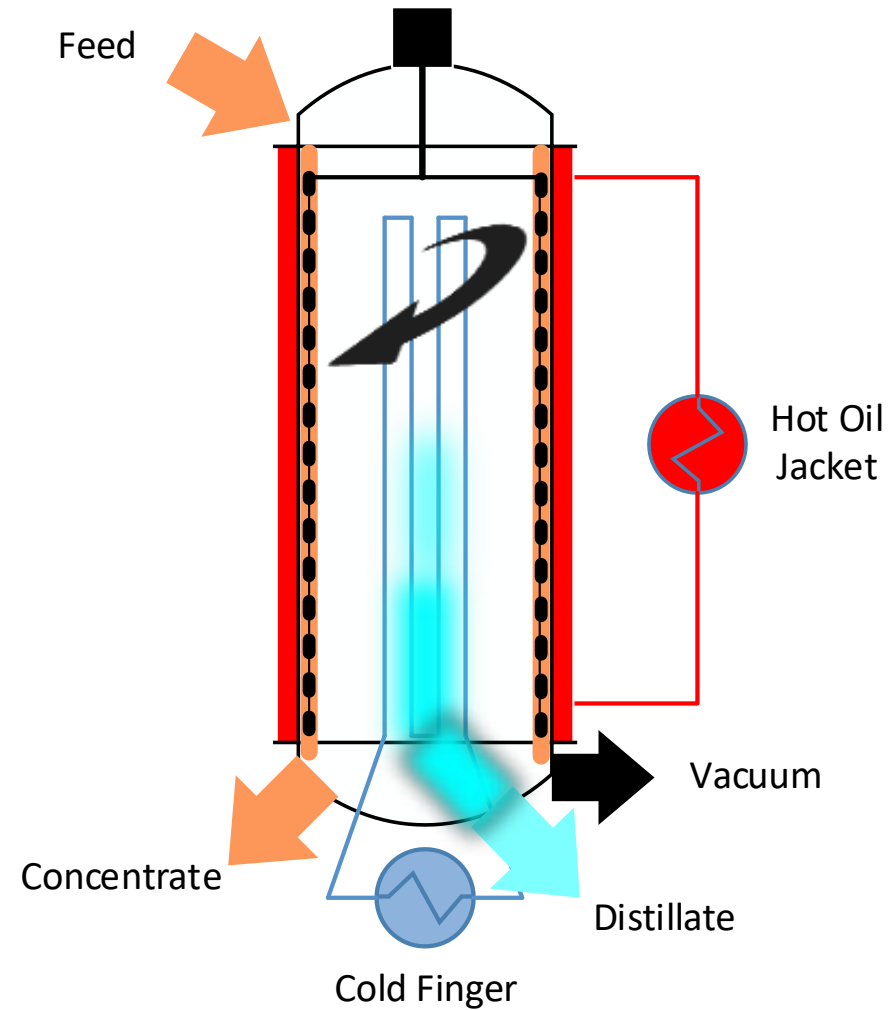


# Short Path Evaporation



# Short Path Evaporation

## Basic Principle



# Short Path Evaporation

## *Advantages of short path distillation plant*

- Continuous distillation process
- Flexible and easily adaptable to product requirements
- Easily up-scalable
- Can be fully automated
- Short residence time (Minimal thermal stress and decomposition)
- Low fouling on evaporator wall
- Possibility to distill foaming products
- Mobile modular system (with triclamp connections)
- Can be operated as stand alone unit, in combination with a flow reactor or connected to a batch reactor

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# Short Path Evaporation

## *Specifications VTA VK100-10 Pilot Plant*

- 0,1 m<sup>2</sup> surface area
- Feed rate of 5-10 l/h
- Stainless Steel
- Roller wiping system & block wiping system available
- Min. vacuum pressure: 0,001 mbar
- Max. jacket temperature: 300 °C
- Max. viscosity of the residue at operating temperature: 15,000 mPas (cP)

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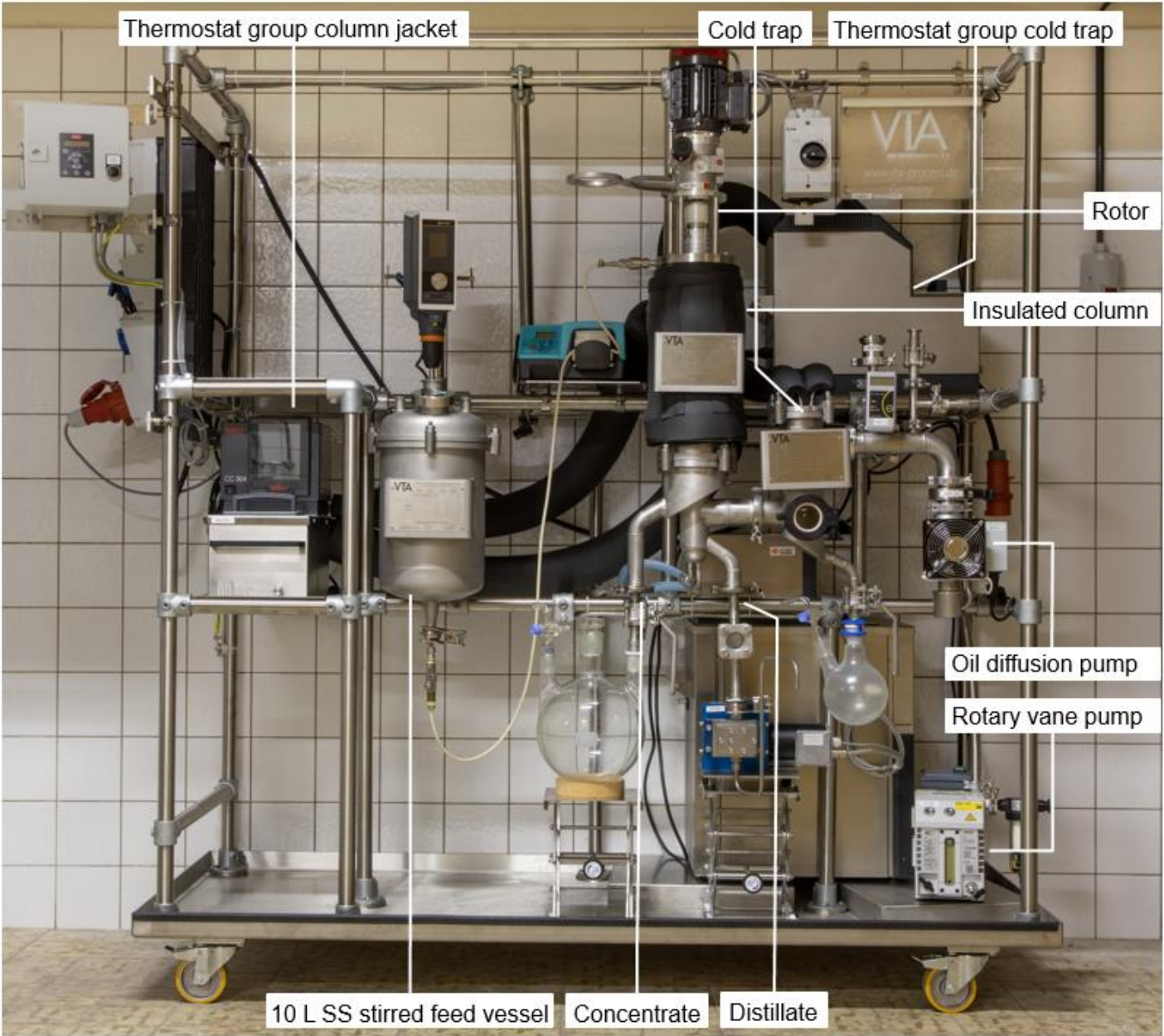


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# Agfa's VK100-10 Pilot Plant



# Short Path Evaporation

## Applications

- Recuperation from waste stream
  - Monomer recuperation under high vacuum
  - Organic solvent recuperation
- Distillation of monomers
- Distillation of reactive polymers
- Distillation of thermally unstable products

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