



RONOTHOR

SCRAPED SURFACE HEAT EXCHANGER | TYPE RT

The high pressure heat exchanger RONOTHOR RT can be used for heating or cooling of high-viscous products.

The RONOTHOR RT is mainly used for the pasteurization and crystallization of spreads such as margarine, shortening or other edible fats where the RONOTHOR shows excellent results.

The RONOTHOR is based on proven technique combined with continuous development based on the operational experience of well-known producers.

Therefore the RONOTHOR design is always state of the art. Your demand on the final product, temperature profile and the desired capacity determines the necessary heat exchange surface and thus the size and number of tubes.

The conception of the RONOTHOR is modular and very flexible. Up to six heating or cooling units can be mounted in one common frame. Each unit is equipped with an independent refrigeration system and variable gear.

BENEFITS

- ✓ Proven technique and continuous innovations
- ✓ Solid design - modular and flexible
- ✓ Cost-saving by optimum energy efficiency
- ✓ Tailor made equipment
- ✓ Made in Germany
- ✓ Standard gearbox
- ✓ Electronic level control
- ✓ Hygienic design
- ✓ Service friendly
- ✓ Cooling cylinder with special coating available

RONOTHOR RT

Types & Variations

■ Cylinder sizes

Ø 180 mm, 250 mm | Length 800 mm, 1400 mm, 2000 mm

■ Modular design

The cylinder units are build as single unit, twins or quads, always with hermetical cover. An extension up to six units is possible at any time. This also includes the installation of our various pin worker units.

■ Heating/Cooling Media

Freon, ammonia, glycol, cooling water, hot water, steam

■ Scraper system

According to diameter and product we provide 2 to 6 scraper rows. Different forms, types and material of scraper are available to ensure the best mechanical treatment

■ Working pressure range

75 bar, 120 bar



TECHNICAL DATA (RT 250)

Max. working pressure, product side	120 bar
Application	Margarine, Butter, Shortening and Edible Fats
Gear	SEW Type FAF
Motor Power	up to 75 KW - IE ₃
Rotorspeed RPM	235 1/min, 50 Hz
Rotor	4 rows, 11 mm gap / further types on demand
Rotor bearing	outside for front and rear
Scraper System	floating, tangential to cylinder surface
Cylinder	Mild steel - chromium plated / stainless steel
Ø Rotorshaft drive end	90 mm
Sealing-drive end (SSIC)	SMS (Shaft-Mounted-Seal)
Sealing-front end (SSIC)	SMS (Shaft-Mounted-Seal)
Cooling control system NH ₃ (R 717)	ICM (suction) and ICF/ICM (injection)
Cooling control system Freon (R 507)	ICM (suction) and ICF/ICM (injection)
Max.working pressure cooling side NH ₃ (R 717)	20 bar
Max.working pressure cooling side Freon (R 507)	22 bar
Material evaporator	Mild steel / stainless steel as option
Product pipes	DN 50, heatable
Water temperation unit	electrical or steam heating
Motor with fan (prepared for frequency regulation)	last Motor
Electrical system - pre wired	BUS-System