

**RONO**

Food Technology Solutions

食品技术解决方案

RONOTHOR**SCRAPED SURFACE HEAT EXCHANGER | TYPE RT****刮板式换热器 | RT 型**

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

高压换热器 RONOTHOR RT 可用于高粘度产品的加热或冷却。

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.

RONOTHOR RT 主要用于巴氏杀菌和结晶镀膜，如人造黄油、起酥油或其他食用油脂，RONOTHOR 效果显著。

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

RONOTHOR 基于成熟的技术，结合知名生产商的运营经验进行持续开发。

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.

因此，RONOTHOR 的设计始终是最先进的。您对最终产品、温度曲线和所需容量的需求决定了必要的热交换表面，从而决定了管路的尺寸和数量。

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.

RONOTHOR 的模块化概念非常灵活。一个公共框架内最多可安装六个加热或冷却装置。每个装置配有独立的制冷系统和变速齿轮。

BENEFITS

优点

- | | |
|---|---|
| ✓ Proven technique and continuous innovations | ✓ Standard gearbox |
| ✓ 成熟的技术和持续的创新 | ✓ 标准齿轮箱 |
| ✓ Solid design - modular and flexible | ✓ Electronic level control |
| ✓ 实体设计-模块化和灵活 | ✓ 电子液位控制 |
| ✓ Cost-saving by optimum energy efficiency | ✓ Hygienic design |
| ✓ 通过最佳能效节约成本 | ✓ 卫生设计 |
| ✓ Tailor made equipment | ✓ Service friendly |
| ✓ 量身定制的设备 | ✓ 友好服务 |
| ✓ Made in Germany | ✓ Cooling cylinder with special coating available |
| ✓ 德国制造 | ✓ 冷却筒具有特殊涂层 |

RONOTHOR RT

Types & Variations

类型和变体

■ Cylinder sizes

筒体尺寸

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

Ø 180mm、250mm | 长度 800mm、1400mm、2000mm

■ Modular design

模块化设计

The cylinder units are built 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.

筒体单元为单体、双体或四体，始终带有密封盖。可随时扩展至 6 个装置。这也包括安装我们的各种碎料装置。

■ Heating/Cooling Media

加热/冷却介质

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

氟利昂、氨、乙二醇、冷却水、热水、蒸汽

■ Scraper system

刮板系统

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

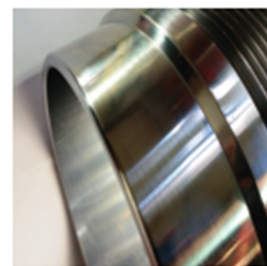
我们根据直径和产品提供 2~6 排刮刀。可提供不同形式、类型和材料的刮刀，以确保最佳的机械处理

■ Working pressure range

工作压力范围

75 bar, 120 bar

75 巴、120 巴



TECHNICAL DATA (RT 250)

技术数据 (RT 250)

Max, working pressure, product side
产品侧最大工作压力

120 bar
120 巴

Application
应用

Margarine, Butter, Shortening and Edible Fats
人造黄油、黄油、起酥油和食用脂肪

Gear 齿轮	SEW Type FAF SEW 式 FAF
Motor Power 电机功率	up to 75 KW-IE ₃ 高达 75 KW-IE ₃
Rotorspeed RPM 转子转速 RPM	235 1/min, 50 Hz
Rotor 转子	4 rows, 11 mm gap / further types on demand 4 排, 11mm 间隙/根据需要提供更多类型
Rotor bearing 转子轴承	outside for front and rear 前部和后部外侧
Scraper System 挂板系统	Floating, tangential to cylinder surface 浮动, 与圆柱体表面相切
Cylinder 气缸	Mild steel - chromium plated / stainless steel 软钢-镀铬/不锈钢
Rotorshaft drive end 转子轴驱动端	90 mm
Sealing – front end (SSIC) 密封-前端 (SSIC)	SMS (Shaft – Mounted - Seal) SMS (轴-安装-密封)
Sealing-front end (SSIC) 密封-前端 (SSIC)	SMS (Shaft-Mounted - Seal) SMS (轴-安装-密封)
Cooling control system NH ₃ (R 717) 冷却控制系统 NH ₃ (R 717)	ICM (suction) and ICF/ICM (injection) ICM (吸入) 和 ICF/ICM (注入)
Cooling control system Freon (R 507) 冷却控制系统氟利昂 (R 507)	ICM (suction) and ICF/ICM (injection) ICM (吸入) 和 ICF/ICM (注入)
Max.working pressure cooling side NH ₃ (R 717) 最大工作压力压力冷却侧 NH ₃ (R 717)	20 bar 20 巴
Max.working pressure cooling side Freon (R 507) 最大工作压力压力冷却侧氟利昂 (R 507)	22 bar 22 巴
Material evaporator 物料蒸发器	Mild steel / stainless steel as option 软钢/不锈钢可选
Product pipes 产品管道	DN 50, heatable DN 50, 可加热
Water temperation unit 水温调节装置	electrical or steam heating 电加热或蒸汽加热
Motor with fan (prepared for frequency regulation) 带风扇的电机 (供变频使用)	last Motor 末级电机
Electrical system - pre wired 电气系统-预接线	BUS-System 总线系统

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Solutions
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