

## MFR HE

# Heat recovery module for dyeing and finishing ranges

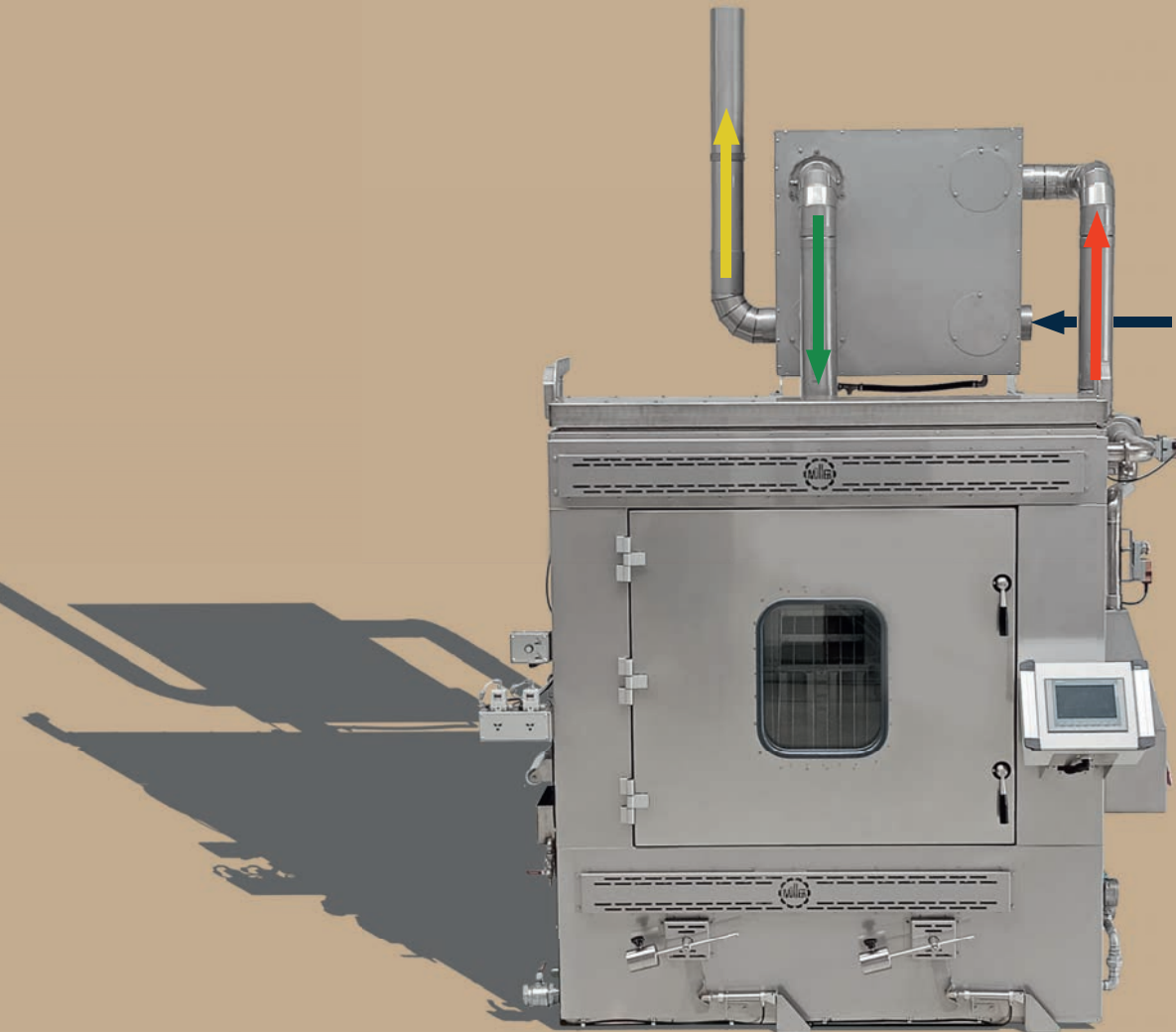
Both for new machines and as retrofit  
for existing machines



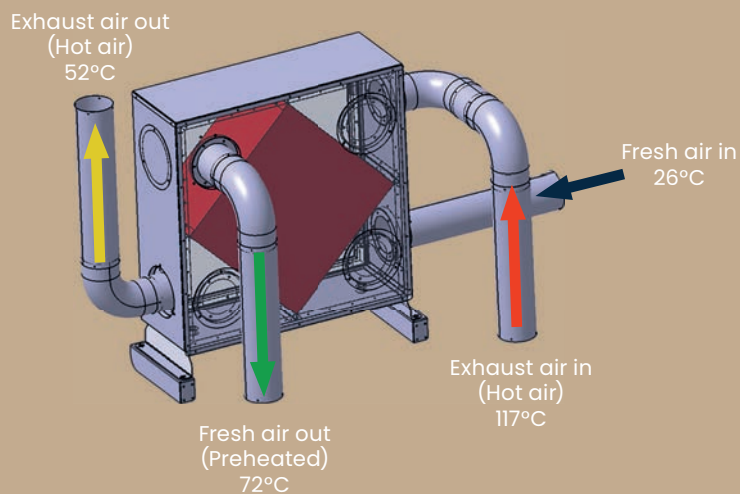
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# MFR HE

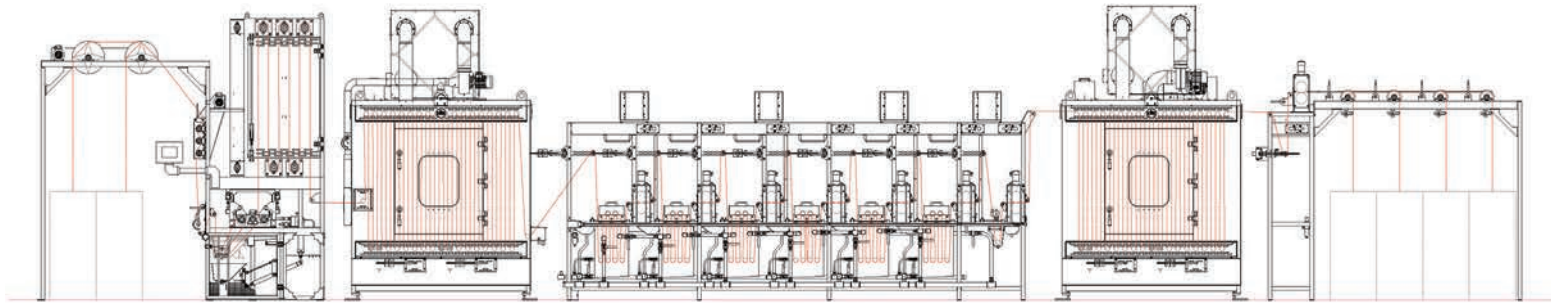


## Data from a thermosol process



Electrical power <b>without</b> heat exchanger	32 kW
Electrical power including heat exchanger	24 kW
Saving absolute	8 kW
Saving	10-30%

# Application on a full dye line



## Features

- Air to Air heat exchanger
- Robust design
- Easy to mount on existing chambers
- Available for any kind of machine type (SD, MD, HD, Seatbelt)



## Advantages

- Significant reduction of required heating energy for hot air processes
- Easy removal of the heat exchanger cartridge
- Cleaning by pressure water on regularly bases keeps the efficiency of the unit
- No additional process control needed



## Applications

- The heat of the exhaust air is transferred to the fresh air which requires less energy to heat up the fresh air to achieve set temperature
- To be mounted on thermosol chambers and on drying chambers
- Can be installed on third party equipment
- Modular system to allow different sized units to be installed on various sizes of chambers
- Optional Second cartridge to reduce down time while cleaning
- Optional temperature measuring of the air flow to ensure maximum efficiency
- The higher the temperature, the higher is the energy saving potential
- The heat recovery unit can be used on both electrical and gas fired chambers



## Benefits

- High energy saving potential (approx. 10-30%)
- Depending on local costs for utilities, payback period can be very short

# Technical Specifications

## MFR HE 600m<sup>3</sup>

Size (WxHxD)	970 x 970 x 350 mm
Connection diameter	148 mm
Maximum Airflow	600 m <sup>3</sup> /h
Maximum transfer power	14.8 kW
Weight	
Gross	100 kg
Removable cartridge	29 kg

## MFR HE 1200m<sup>3</sup>

Size (WxHxD)	970 x 970 x 700 mm
Connection diameter	200 mm
Maximum Airflow	1200 m <sup>3</sup> /h
Maximum transfer power	29.6 kW
Weight	
Gross	150 kg
Removable cartridge	2 sections @ 29 kg each



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