

# Pasteurizer/Sterilizer

## HT226 SSHE System

Scraped surface heat exchangers at a small scale

The OMVE HT226 is a HTST/UHT system designed to process products with high viscosities and/or large particles in continuous flow. The HT226 provides R&D departments a flexible and reliable unit to mimic the operation of full-sized production plants, facilitating the scale-up process, formulation, product optimization, shelf-life studies, organoleptic analysis and more.

The OMVE SSHE is unique in their hygienic execution. This assures a good cleaning during CIP and minimise contamination during processing. The barrels can also be disassembled for manual cleaning. With the special bearing and high-pressure seals, the SSHE can handle a pressure up to 10 bar. This makes the system especially suitable for very high viscous products and simulates industrial processes where high pressures are preferred.



## Features & Benefits

- Industrial A-brand components
- Customizable, modular build
- Built-in CIP & SIP
- High level of automation
- Low product hold-up

## Applications

- Dairy-based viscous products
- Desserts, fillings & puddings
- Fruit concentrates & vegetable purees
- Meal replacements
- Functional & Medical Food

## Working Principle

The HT226 Scraped surface heat exchanger (SSHE) System can treat your product with different temperatures to simulate an industrial process. The compact process enables you to execute a trial with minimal volume. This reduces the required amount of ingredients, preparation time, start-up and processing time. Different heat treatment methods are available.

The HT226 system is supplied standard with scraped surface heat exchangers (SSHE) for heating and cooling, with a very low dead volume.



## Optional Accessories

- Connection for external mixing tank
- Flow meter/control (Electromagnetic & Mass)
- Additional holding tubes
- Internet connectivity for troubleshooting
- Mixer in feed tank to prevent settlement mixing tank
- Custom-made SSHE
- Data logger (standard)
- Software in other languages

## Specifications

Product Code	HT226-20
Adjustable flow rate	10-50L/hr
Pressure product pump	10bar/20bar* [145psi / 290psi]
CIP pump flow rate	400-800L/hr
Cleaning temp. @ 30 min.	70°/ 85°C* [158°F/ 185°F]
Sterilization temp. @ 30 min.	140°C [284°F]
Max. temp. boiler (medium size)	160°C [320°F]
Max. viscosity - SSHE	>2500cPs
Max. particles - SSHE	7mm [0,27"]
Heating hot water (electrical)	Yes
<b>Weights &amp; Dimensions</b>	
L x W x H	190 x 120 x 210cm [75 x 47,3 x 82,7"]
<b>Materials</b>	
Product side	SS316
<b>Required utilities</b>	
Electrical supply	370-400Vac/ 3ph+N+E/ 50Hz/ or 200-240Vac/ 3ph+E/ 60Hz
Compressed air	6bar(g) [87psi]
Water supply	2,5bar(g) [36,5psi]
Drains	Required

\*optional

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Lab & Pilot Equipment

