



# HERCULES

*Scraped Surface Heat Exchanger*

**DOUBLE WALL RANGE**



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*CSFinoxGroup*  
FLOW TECHNOLOGY COMPONENTS

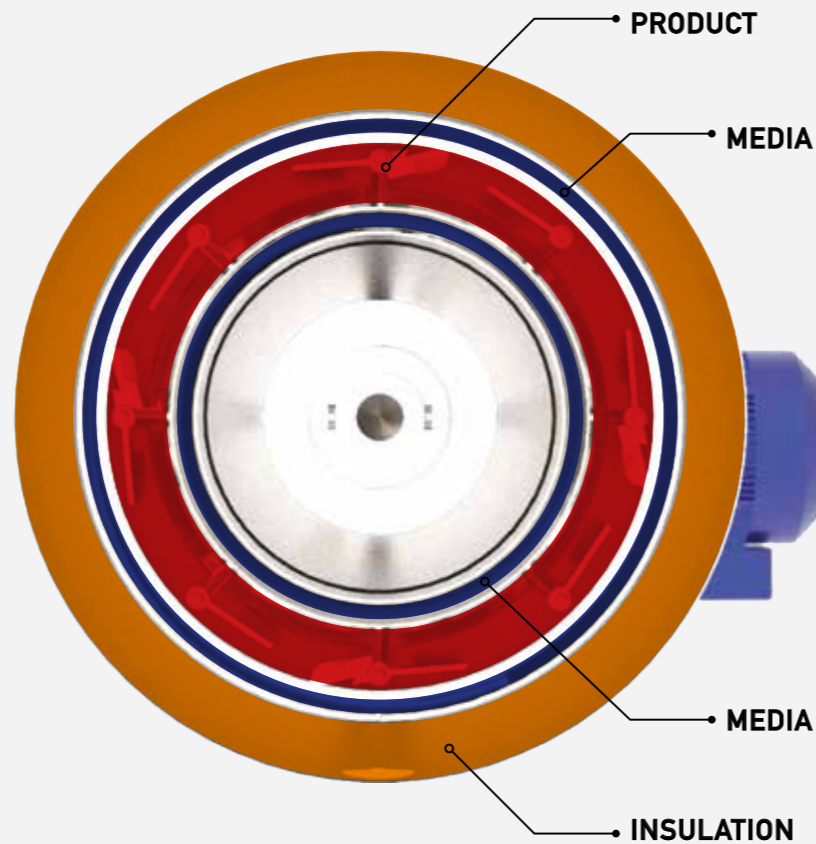


## ADVANTAGES

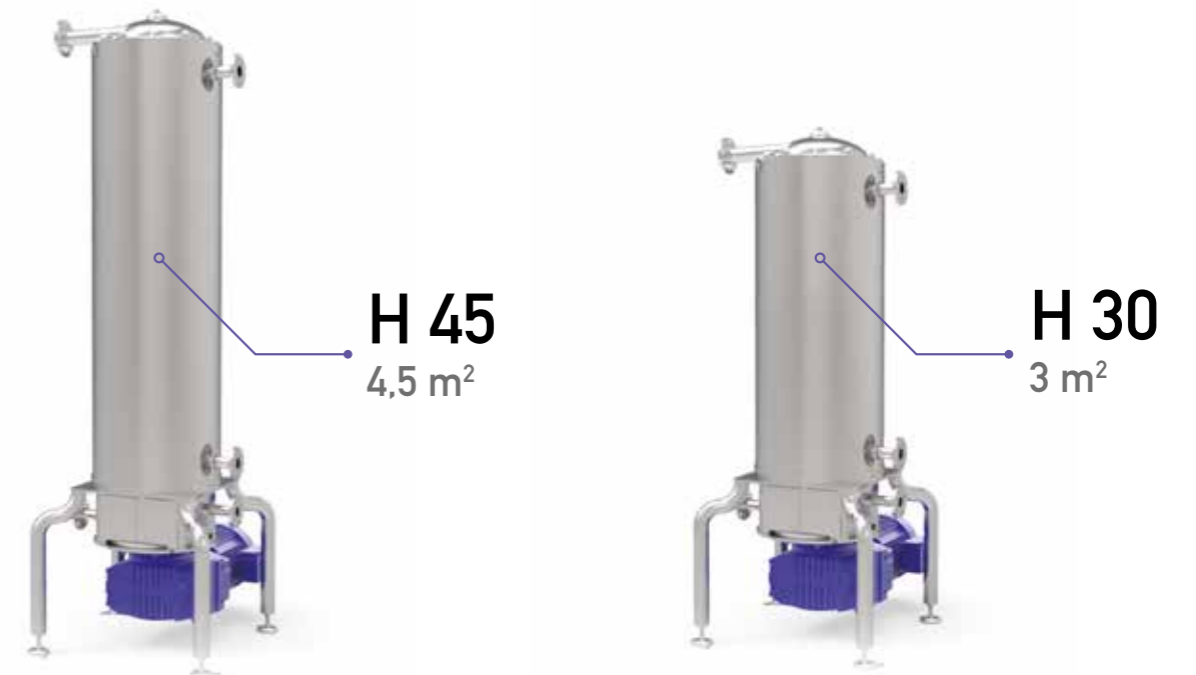
- VERTICAL INSTALLATION
- EASY MAINTENANCE
- HYGIENIC DESIGN
- TANGENTIAL INLET/OUTLET
- ASEPTIC DESIGN
- METAL DETECTABLE BLADES
- FULLY DRAINABLE

## HOW IT WORKS

- 1) The product enters into the exchange annular space from the bottom through a special volute, which is designed to allow for a product smooth change of trajectory.
- 2) The service fluid flows in counter current into the inner and outer cylinder shell.
- 3) In the annular space there is a scraping blades support device, which keeps the product mixed and avoids it to get stuck on the wall.
- 4) The rotation speed of the scraping depends on product's features.
- 5) The rotation and the product's fluid-dynamic pressure pushes the scraping blades against the exchange surface
- 6) Once the production ends the product can be completely drained. The unit can be Cleaned in Place.



## DIMENSIONAL DRAWING



MODEL					
	HEAT TRANSFER AREA	HEIGHT	FOOTPRINT	MECH. SEAL N°	BLADES N°
H 30	3 m <sup>2</sup>	2400	1 m <sup>2</sup>	1	32
H 45	4,5 m <sup>2</sup>	3000	1 m <sup>2</sup>	1	48

## TECHNICAL SPECIFICATIONS

	PRODUCT	SERVICE
<b>WORKING CONDITIONS</b>		
Max. pressure (bar)	15	8
Max. temperature (°C)	160	172
Min. temperature	-30 °C	-30 °C
<b>CONNECTIONS</b>	DIN 11864-2 DN 65	EN 1092-1 DN 50/32 PN16
	Other connections available	
<b>MATERIALS</b>		
Heat exchanger	SAF 2507 / AISI 316 L	AISI 316 L
Blades	PPS, PEEK Metal detectable blades are available	
Mechanical seals	Materials are selected for each application / DOUBLE MECHANICAL SEAL	
Gaskets	EPDM, VITON, PTFE	PTFE, NBR, EPDM, VITON
<b>POWER</b>	15-22 kW	