

Gerstenberg Schröder Cream Filling Kombinator® 250

SCRAPED SURFACE HEAT EXCHANGER

GS Cream Filling Kombinator® 250 Benefits:

EXCELLENT DURABILITY

Completely sealed, fully insulated, corrosion-free stainless steel casing and a special environmentally acceptable material for insulation combine to guarantee years of trouble-free operation.

PRODUCTION OF CREAM FILLING

The GS Kombinator® cream filling 250 gives you the flexibility to produce filling creams with up to 70% dry ingredients and 30% oil content. Stable and continuous production secure your process.

PROCESS FLEXIBILITY

Each chilling tube operates with its individual cooling system and individual drive, offering superior flexibility when it comes to the chilling and scraping intensity of your product during processing.

Each cooling system is equipped with his own cooling circulation pump to ensure a stable cooling process and accurate outlet temperature for the product. Special rotor seals are lubricated by vegetable oil. The oil pump system is mounted on the top of the machine.

HYGIENIC DESIGN

The machine is PED compliant and the design is EHEDG certified.

SCRAPER ROTOR SYSTEM

The standard scraper system uses "floating turbo scrapers" in special material but there are many other forms and materials available to suit your particular product application. To facilitate dismantling of the rotor, a service beam (crane) can be mounted on the top except the double-tube coil which is made of stainless steel AISI 316.



MATERIALS

all product contacting parts are made of stainless steel and the chilling tubes are made of carbon steel plated with hard chromium. Alternatively, other materials are available on request.

PIN ROTOR ON TOP

A Pin rotor machine is mounted at the top of the Kombinator® to ensure the right quality of the product after the cooling process.

CERTIFICATIONS

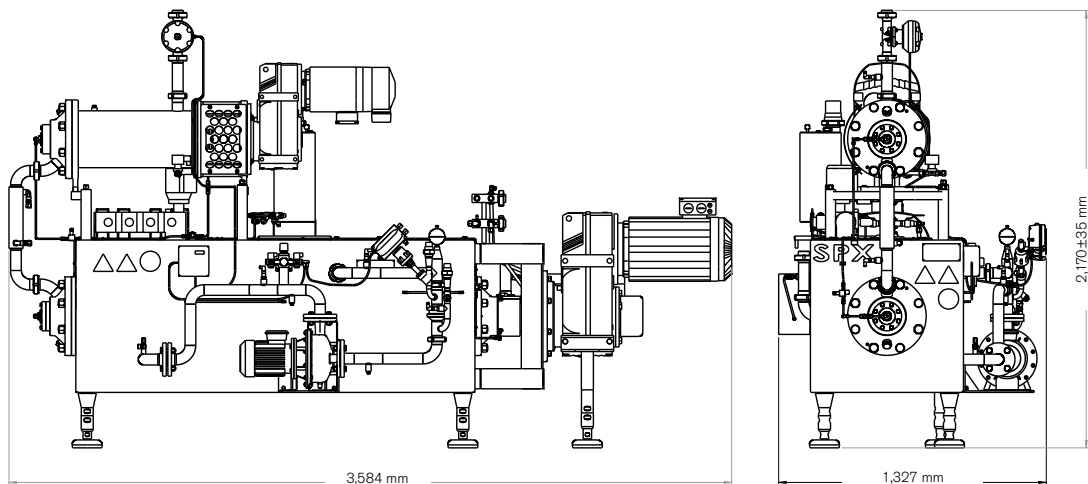
In line with Pressure Equipment Directive (PED) 2014/68/ EU, CE marked.

HEATING/COOLING MEDIUM

Cooling water, chilled water, brine, glycol.

GS KOMBINATOR® 250	250S-W	250L-W
NOMINAL CAPACITY - CREAM FILLING 70% SUGAR AND 30% FAT [KG/H]	500-1000	1000-1500
NUMBER OF REFRIGERANT CIRCUITS	1	1
MOTORS FOR COOLER [kW]	15	22
MOTORS FOR PIN ROTOR [kW]	4	4
MOTORS FOR COOLING CIRCUIT [kW]	1,1	1,5
MOTORS FOR OIL LUBRICATION [kW]	0,18	0,18
COOLING SURFACE PER COOLING TUBE [M2]	1.05	1.5
ANNULAR SPACE [MM]	11	11
COOLING CAPACITY AT -10°C - MEDIA SIDE [BAR]	10	10
MAX. WORKING PRESSURE - PRODUCT SIDE [BAR]	75	75
MAX. WORKING TEMPERATURE [°C]	-10	-10
CHILLING TUBE DIAMETER DIAMETER/LENGTH [MM]	250/1,400	250/2,000
PRODUCT VOLUME PER COOLING TUBE [L]	15	19
PIN ROTOR [Ø/L]	250/600	250/600
PRODUCT PIPE IN/OUT [MM]	DN50	DN50
ROWS OF SCRAPERS	4	4
NOMINAL SCRAPER ROTOR SPEED [R PM]*	35	35
WATER ATTEMPERATION CAPACITY [kW]	7,5	9
WATER ATTEMPERATION VOLUME [L]	60	60
WATER CIRCULATION PUMP [kW]	0.55	0.55
MACHINE WEIGHT [KG]*	2,200	2,800

* Approximately.



GS Kombinator® 250L-W

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Design features, materials of construction and dimensional data, and certifications as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing. Please contact your local sales representative for product availability in your region. For more information visit www.spxflow.com.

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