

Gerstenberg Schröder Perfector 150

SCRAPED SURFACE HEAT EXCHANGER

GS Perfector 150 Benefits:

OUTSTANDING DURABILITY

Completely sealed, fully insulated, corrosion-free stainless steel casing guarantees years of trouble-free operation.

IMPROVED HEAT TRANSMISSION

Special, corrugated chilling tubes improve the heat transmission value and prevent any internal build-up of compressor oil.

HIGHER EFFICIENCY

Each refrigerant circuit has a drop tank that enables prompt start-up and reduces downtime during production halts.

EASY CLEANING AND MAINTENANCE

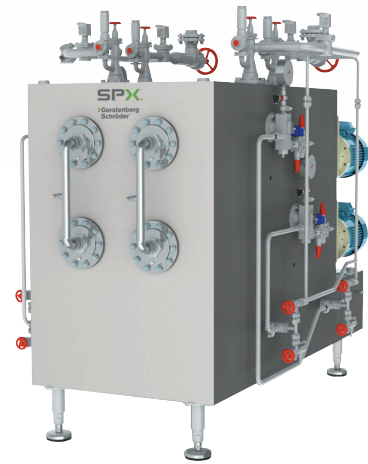
GS Perfector 150 is designed to keep downtime to an absolute minimum - CIP cycles are fast and efficient, and maintenance procedures are simple.

LESS NOISE

The low energy, cast iron gear box yields maximum power while keeping noise levels to a minimum.

SCRAPER ROTOR SYSTEM

The standard scraper system consists of floating scrapers manufactured in plastic and mounted on sanitary supports on the rotor shafts. Other scrapers are available in various materials to suit your particular product application.



PRODUCT SEALS

The product seals are designed to be semi-balanced with tungsten carbide wearing rings. Flushed seals are also available.

MATERIALS

Product contacting parts are made in stainless steel AISI 316. Chilling tubes are made in carbon steel plated with hard chromium. Alternatively, other materials are available on request.

CERTIFICATIONS

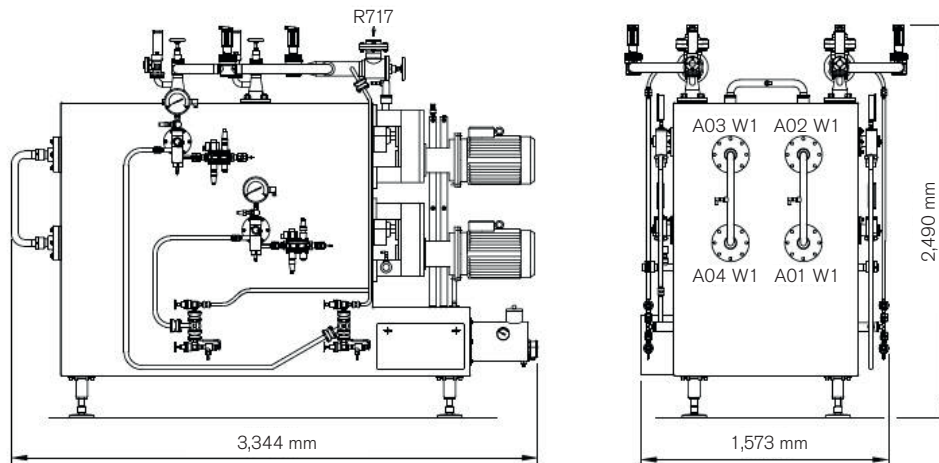
Made in conformity with European Machinery Directive 2006/42/EC. The construction is in accordance with European Pressure Equipment Directive (PED) 2014/68/EU and an ASME sec. VIII div. 1 certificate can be delivered on request.

COOLING MEDIA

NH₃, freon.

GS PERFECTOR 150	(1+1) x 150	(2+2) x 150	(1+1+1+1) x 150	(2+2+2) x 150
NOMINAL CAPACITY - SOFT TABLE MARGARINE [KG/H]	3,300	6,600	6,600	9,900
NOMINAL CAPACITY - SHORTENING [KG/H]	5,000	10,000	10,000	15,000
NUMBER OF REFRIGERANT CIRCUITS	2	2	4	3
NUMBER OF TUBES PER REFRIGERANT CIRCUIT	1	2	1	2
MOTORS FOR SOFT TABLE MARGARINE [kW]	11+15	22+30	11+11+15+15	22+30+30
MOTORS FOR SHORTENING [kW]	11+11	22+22	4x11	3x22
NUMBER OF GEAR BOXES	2	2	4	3
COOLING SURFACE PER TUBE [M ²]	0.92	0.92	0.92	0.92
ANNULAR SPACE [MM]	10	10	10	10
NH ₃ CAPACITY AT -20°C [kW]	135/150	270/300	270/300	405/450
MAX. WORKING PRESSURE AT 40°C - MEDIA SIDE [BAR]	17.5	17.5	17.5	17.5
MAX. WORKING PRESSURE - PRODUCT SIDE [BAR]	80	80	80	80
MIN. WORKING TEMPERATURE - MEDIA SIDE [C°]	-25	-25	-25	-25
CHILLING TUBE DIAMETER/LENGTH [MM]	150/2,000	150/2,000	150/2,000	150/2,000
PRODUCT VOLUME PER TUBE [L]	10	10	10	10
PRODUCT PIPE IN/OUT [MM]	44.5x2	44.5x2	44.5x2	44.5x2
ROWS OF SCRAPERS	2	2	2	2
NOMINAL SCRAPER ROTOR SPEED [RPM]	490	490	490	490
WATER ATTEMPERATION CAPACITY [kW]	15+15	3x18	3x18	3x18
WATER ATTEMPERATION VOLUME [L]	45	45	45	45
WATER CIRCULATION PUMP 3X220V AT 50HZ[KW]	0.46	0.46	0.46	0.46
MACHINE WEIGHT [KG]*	2,000	4,000	4,500	5,100

* Approximately.



GS Perfection (1+1+1+1) x 150

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