

Gerstenberg Schröder Plate Remelt Unit

GS Plate Remelt Unit Benefits:

ALL IN ONE

The plate remelt unit (PR unit) consists of a single-section plate heat exchanger (PHE) for melting crystallized product by hot water. In addition, the GS PR unit includes a brazed PHE to provide the unit with hot water by condensing saturated steam, a water circulation pump, temperature regulation valves and fittings. The GS PR unit is completely pre-assembled, piped, pre-wired, and ready to install.

EASY MAINTENANCE

The PR unit is designed for cleaning in place (CIP), and when maintenance is necessary this can be done fast and easily due to the free access to the PHE and the regulating system.

NOMINAL CAPACITY

The nominal capacity is depending on the product and the product temperature profile. The nominal capacities listed in the table on reverse side are based on a temperature profile from 12°C to 65°C.

CERTIFICATION

The construction is in accordance with the European Pressure Equipment Directive (PED) 2014/68/EU. Other certifications can be delivered on request.



MATERIALS

Product contacting parts, including the plates in the PHE for product, are made of stainless steel AISI 316.

OPTIONS

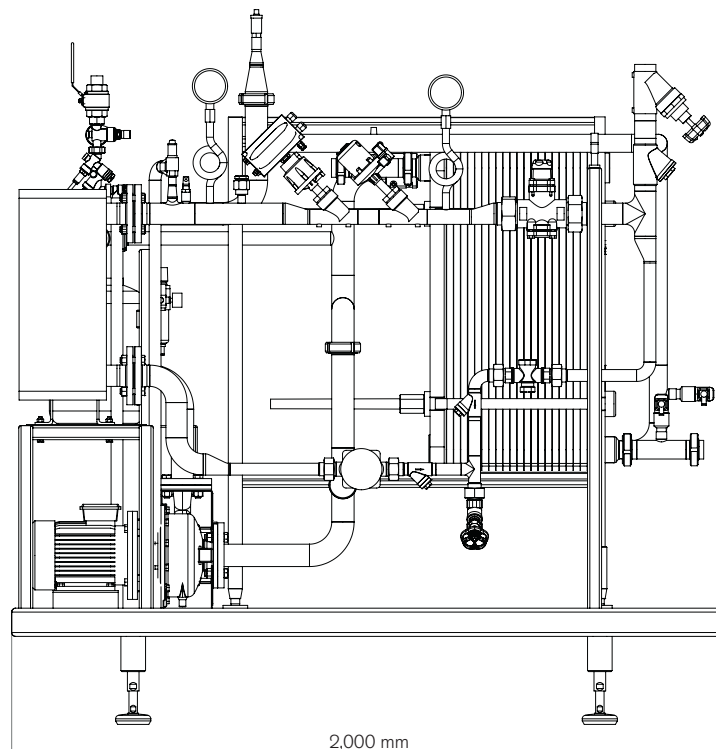
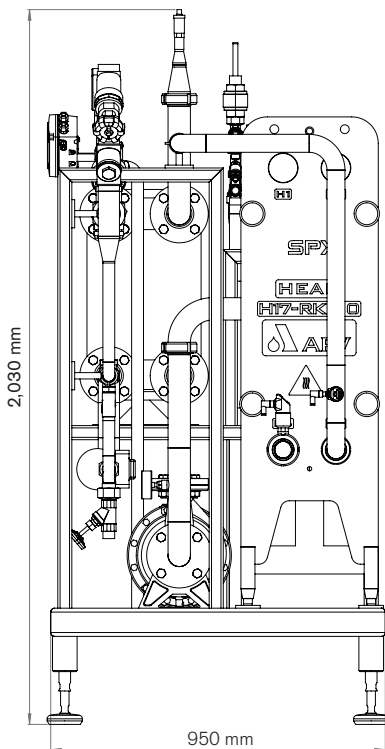
For products containing less than 1% salt in the emulsion, SMO 254 is recommended as PHE plate material. For products containing more than 1% salt in the emulsion, titanium is recommended as PHE plate material. On customer request, for improved steam return, a condensate pump can be installed on the unit.

ADDITIONAL TECHNICAL INFORMATION

Heating medium: 3.5 - 6 bar saturated steam for the water and steam regulating system. Pressurized air of 6 bar for various valves. All product unions are according to DIN 11864.

GS PR UNIT	400	1125	3000	4500	7000	10800	15000	18000
NOMINAL CAPACITY - PUFF PASTRY MARGARINE [KG/H]	400	800	3,000	4,500	6,000	10,000	11,000	13,500
NOMINAL CAPACITY - TABLE MARGARINE [KG/H]	400	880	3,000	4,500	6,500	10,800	11,800	15,000
NOMINAL CAPACITY - SHORTENING [KG/H]	400	1,125	3,000	4,500	7,000	10,800	15,000	18,000
MAX. WORKING PRESSURE [BAR]	10	10	10	10	10	10	10	10
STEAM FLOW AT 3.5 BAR [KG/H]	36	70	255	380	510	845	925	1,175
HOT WATER CIRCULATION PUMP [kW]	0.55	0.75	1.5	1.5	2.2	2.2	2.2	4.0
PRODUCT PIPE IN-/OUTLET [MM]	DN15	DN25	DN40	DN50	DN50	DN65	DN65	DN80
FLOW RATE CIP [M ³ /H]	1.5	3	11	13.7	21	33	46	54
PRESSURE DROP CIP [BAR]	0.5	0.5	0.5	0.8	0.5	0.8	0.8	0.8
DIMENSION WxLxH [CM]*	90x160x170	90x160x170	93x173x182	95x178x185	95x200x203	110x220x210	110x235x212	100x240x212
MACHINE WEIGHT [KG]*	300	400	500	600	700	900	1,350	1,600

* Approximately.



GS plate remelt unit 7000

SPXFLOW

SPX FLOW Oestmarken 7, 2860 Soeborg, Denmark

P: +45 70 278 222, F: +45 70 278 223

E: gs.dk.sales@spxflow.com · www.spxflow.com

SPX FLOW reserves the right to incorporate our latest design and material changes without notice or obligation. Design features, materials of construction and dimensional data, 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. The green ">" is a trademark of SPX FLOW, Inc.

GS-608-GB VERSION 03/2016 ISSUED 01/2017

COPYRIGHT © 2016 SPX FLOW, Inc.