

Gerstenberg Schröder Consistator® LD 134

SCRAPED SURFACE HEAT EXCHANGER

GS Consistator® LD 134 Benefits:

EXCELLENT DURABILITY

With the selection of a high-tech, double mechanical, cartridge type of seal as well as wear-resistant scraper blade material, maximum time of trouble-free operation is secured. The GS Consistator® LD 134 is supplied with an external bearing. The standard version is with a single mechanical seal, but can be upgraded with a flushable double mechanical seal for either water flush or steam flush for aseptic application.

IMPROVED HEAT TRANSMISSION

The cylinders are manufactured in a special thin-walled material for optimal heat transfer (high K-values). The cylinders can be selected in different materials depending on application. Furthermore the cylinders are exchangeable.

HIGHER FLEXIBILITY

GS Consistator® LD 134 is a highly flexible unit that can be supplied both in horizontal and vertical position. It is equipped with a special multi-purpose jacket which enables the unit to be used with both steam and liquid media without changes. GS Consistator® LD 134 can also be supplied with an automatic temperature regulation and thus the scraped surface heat exchanger can be incorporated in existing systems.

EASY CLEANING AND MAINTENANCE

All GS Consistator® LD 134 units are designed so that maintenance is fast and simple and CIP cycles can be carried out quickly.

SCRAPER ROTOR SYSTEM

Optimum scraping of the product and mechanical treatment are achieved by a selection of rotor shafts with different diameter.



The standard scrapers are floating scrapers in staggered configuration. The flow design creates a low pressure drop and enables processing of products with particles and solids.

MATERIALS

Product contacting parts are made in stainless steel AISI 316L. Chilling tubes and all other product contacting parts can also be supplied in enhanced stainless steel.

COOLING/HEATING MEDIA

Cooling water, chilled water, brine, glycol, steam, hot water.

CERTIFICATIONS

Made in conformity with European Machinery Directive 2006/42/EC. Pressure tank in accordance with Pressure Equipment Directive (PED) 2014/68/EU. Other certificates can be delivered on request.

GS CONSISTATOR® LD 134	134P / 134PH	134S / 134SH	134L / 134LH
HEAT EXCHANGE SURFACE [M ²]	0.2	0.4	0.8
INNER CYLINDER DIAMETER [MM]	134	134	134
SCRAPER SYSTEM	FLOATING	FLOATING	FLOATING
SCRAPER ROWS	4 STAGGERED	4 STAGGERED	4 STAGGERED
SHAFT DIAMETER [MM]	72	72	72
	99	99	99
	112	112	112
50 HZ MOTOR - POWER [KW]	2.2/3.0/4.0	2.2/3.0/4.0	2.2/3.0/4.0
SCRAPER ROTOR SPEED [RPM]	176/278/142	176/278/142	176/278/142
SCRAPER ROTOR TORQUE [NM]	119/103/270	119/103/270	119/103/270
60 HZ MOTOR - POWER [KW]	2.2/3.0/3.7	2.2/2.2/3.7	2.2/2.2/3.7
SCRAPER ROTOR SPEED [RPM]	213/328/181	213/328/181	213/328/181
SCRAPER ROTOR TORQUE [NM]	99/87/195	99/87/195	99/87/195

PRODUCT			
PRODUCT VOLUME [L]			
72 MM SHAFT	5.0	10	19.9
99 MM SHAFT	3.2	6.3	12.7
112 MM SHAFT	2.1	4.2	8.4
ANNULAR SPACE [MM]	31/17.5/11	31/17.5/11	31/17.5/11
MAX.WORKING PRESSURE STANDARD [BAR]	20	20	20
MAX.WORKING PRESSURE OPTION [BAR]	25	25	25
WORKING TEMPERATURE [°C]	-10 TO 150	-10 TO 150	-10 TO 150
PRODUCT PIPE IN / OUT [MM]	51	51	51

MEDIA			
WORKING PRESSURE [BAR]	-1 TO 7	-1 TO 7	-1 TO 7
WORKING TEMPERATURE [°C]	-20 TO 170	-20 TO 170	-20 TO 170
MEDIA PIPE IN / OUT [MM]	48.6	48.6	48.6

DIMENSIONS			
HORIZONTAL VERSION HxLxW [MM]	950x1,188x700	950x1,688x700	950x2,688x700
VERTICAL VERSION HxLxW [MM]	N / A	1,945x865x840	2,945x865x840

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