SELF-CLEANING SEPARATOR

D MRPX 517SGV - 34C

Application
Clarification of milk an whey . Designed for continous operation and CIP.

Rated throughput
50. 000 lit/h (milk)

Motor
37 kW control-torque motor for 380/660 V , 50 or 60 Hz 3-phases AS.(Other voltages on request.)

Working power
Depending on throughflow and outlet pressures.
:: 50.000 lit / h , 32 kW (approx.)

Speed
The prescribed speed of the worm wheel shaft , which must not be exceeded, is stamped on the name plate of the machine.
The table below indicates rpm.

Drive motor	(max.)	1500 (50Hz)	1800 (60Hz)
Bowl	(max.)	3955	3955
Revolution counter		125	150

Running-up time
9 - 10 min.

Stopping time
Approx. 23 - 27 min. (Running out with brake applied and air pressure approx. 4 bar.)

Inlet pressure
Depending on throughflow.

Outlet pressure
Maximum pressure (overflow pressure):
Depending on throughflow.
Suitable pressure: approx. 0.5 - 1 bar below maximum pressure.

Sediment space volume.
25.7 lit.

Suitable ejection volume
Small ejection: 17 - 18 lit.
Large ejection: 30 - 35 lit.

Ejection interval
Depending on process.

Material
All parts in contact with process liquid are of acid-resistant stainless steel. The motor casing and sludge cyclone are of stainless steel, and the lower part of the frame is clad in stainless steel.

Water consumption
Operating water:
Small ejection: 1.0 - 2.0 lit.
Large ejection: 1.5 - 3.0 lit.

Water for sediment
cover flushing:approx 15 lit / ejection at 400 kpa (4 bar).

Water quality
Operating water:
Content of suspended substances less than 0.001 vol.%.Total hardness: less than 6°dH (180 mg $CaCO_3$/lit).Content of chlorides:less than 100 ppm (60 mg Cl/lit).
pH value:larger than 6.

Weights

Shipping Data:	
Net weight without motor, approx.	1800 kg
Gross weight, approx.	2050 kg
Volume, approx.	5 m^3

Motor only	
Net weight, approx.	350 kg
Gross weight,	400 kg
Volume, approx	0.6 m^3

Other parts:

Complete bowl:approx. 835 kg.

Overhead Hoist for 1500 kP (15 kN) is required.