

Cream disc separator **NRSDH50**

Introduction

NRSDH-50 Milk separator is used in the skim milk, cream, butter, casein, cheese production, anhydrous butter production process such as centrifuge concentrate, and removal of foreign impurities in the milk (clarification). Similar products can also be used for clarification and purification.

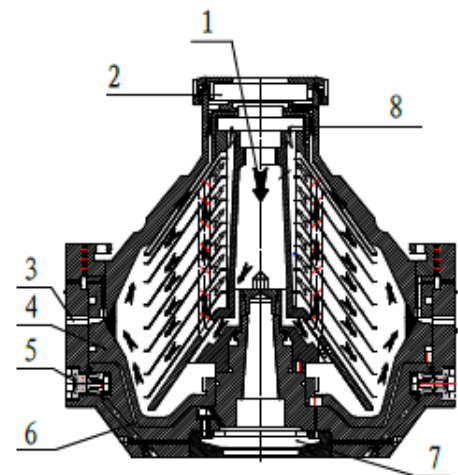
All the parts that may contact the product are made of stainless steel. Power drive adopts the fluid clutch, transfer power by fluid, which is reliable and prevents overland. The bearings used in the Sepak Industries Separators are SKF from Sweden.

The separator is controlled by a PLC automatic control system, with automatic de-slugging function which is controlled by adjustable timer.

The principle of Sepak Industries separator is as follows;

The sealing water 7 is pumped into the sealing chamber 6, rising the sliding piston 4, and solids ejection hole 3 is shut down. Then the milk being processed is fed into the bowl from feeding pipe 1, under the effects of centrifugal force, the solids which has heavier density is collected on the bowl wall, when the set timer is reached, the opening

water 8 is pumped into the opening chamber 6, activating the sliding piston 5 to open the solids ejection hole 3, impurities are deslugged from the bowl. The lighter liquid (cream) flow along the inner side of the discs into the passage in the upper distributor, the cream is discharged from the machine by the lower centripetal pump 8. The heavier liquid (skim milk) flow along the other passage, discharging from the machine by the upper centripetal pump 2. The automatic desludging allows continuous operation of the Milk Separator for the whole shift. The Separator is suitable for CIP.



Technical Specification (Note; may change without notice)

Bowl diameter	mm	475	Bowl speed	r/min	6022
product	L/h	5000	Separate factor		9250
fat output	centripetal pump		Skim milk output	centripetal pump	
Sludging-mode	PLC		Output pressure	MPa	0.3
temperature	℃	30~55	cream in skim milk	0.015~0.04%	
Power	KW	11KW	Dimension (L*W*H)	mm	1100*700*1600
Net height	Kg	1100	Gross height	Kg	1220

