

Tetra Centri dairy separators for every duty

Centrifugal separation in Tetra Pak has a proven track record for processing efficiency stretching back more than a century. This tradition continues in today's range of energy-efficient models with high quality standards for a wide spectrum of applications.

The Tetra Centri Air-Tight® technology features a completely filled separator bowl. An advanced in- and outlet design ensures gentle treatment during the entire separation process.



Milk clarification

Although the main aim is to remove milk impurities, this processing stage also reduces the levels of leucocytes and bacteria.

Tetra Centri clarifiers can process cold milk below 8°C, or hot milk at 50 – 60°C.

Tetra Centri® Milk clarifiers		Max. flow rate, l/h	Sediment space, l	Rated motor power, kW
D 407 SGP		10 000	4	11
D 510 SGD		20 000	9	18,5
D 610 HGD		25 000	7	18,5
D 413 SGV		30 000	15	18,5
D 714 HGV		35 000	12	22
D 618 HGV		60 000	21	37
D 617 SGV		75 000	25	37/45

Cold milk separation

Cold milk separation at 4 – 5°C is the alternative when heating milk is undesirable. Cream's viscosity and characteristics at low temperatures make the Air-Tight technology the only feasible form of separation for this task.

The fat content of the skimmilk can vary between 0,1 – 0,2%, and the maximum fat content of the cream at 4°C is generally 45%.

Tetra Centri® Cold milk separators	Flow rate, l/h		Rated motor power, kW
	Skimming	Stand.	
C 614 HGV	5 000	15 000	18,5
C 714 HGV	10 000	20 000	22
C 518 HGV	15 000	25 000	22
C 618 HGV	20 000	30 000	25

Hot milk separation

The objective is to separate the globular milk fat from the serum, the skimmed milk. The separation process is normally incorporated into a pasteurisation line and combined with a Tetra Alfast in-line fat standardisation system. Outgoing cream from Tetra Centri Air-Tight separators can contain up to 70% fat.

The skimming efficiency of hot milk separators has been enhanced. In a modern dairy, common Tetra Centri skimming efficiency figures are in the region of 0,045 – 0,06%.

Tetra Centri® Hot milk separators	Flow rate, l/h		Rated motor power, kW
	Skimming	Stand.	
H 407 TGP	5 000	7 000	11
H 510 TGD	7 000	10 000	15
H 610 HGD	10 000	15 000	18,5
H 614 HGV	15 000	25 000	18,5
H 714 HGV	20 000	30 000	22
H 518 HGV	25 000	35 000	22
H 618 HGV	30 000	40 000	25
H 718 HGV	35 000	55 000	25
H 818 HGV	45 000	60 000	37