



DeLaval milking cluster MC53

Designed for fast, comfortable milking



A durable and proven design to handle fast milk flows

The DeLaval milking cluster MC53 is engineered to meet the high flow rates of fast milking cows. This durable, proven cluster is designed to offer both milker and cow comfort. MC53 combines stainless steel shells with a patented TF (Top-Flow) technology claw and is designed to reduce vacuum fluctuations at high milk flows.

Stable vacuum levels even at peak milk flows

Fast flow capacity

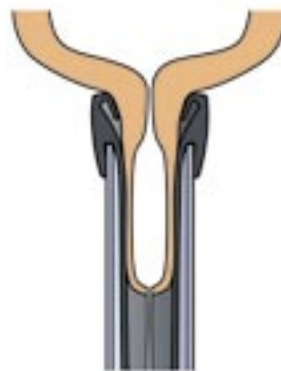
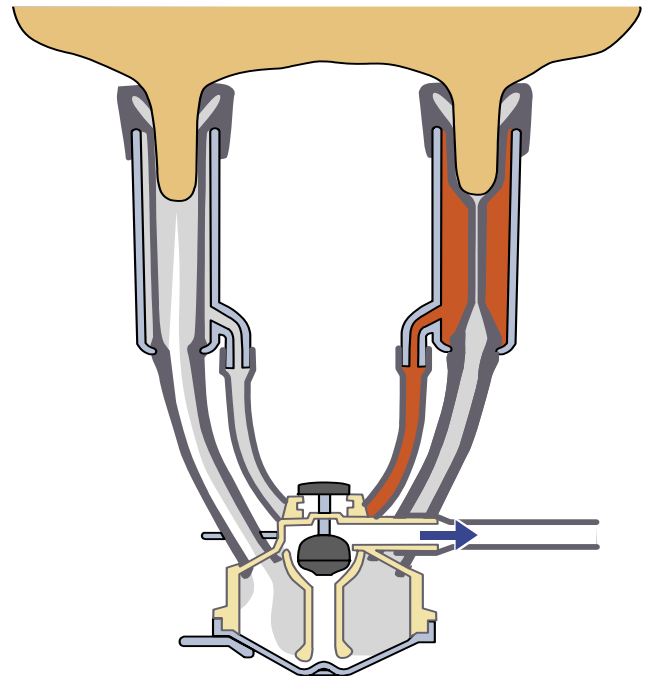
The MC53 effectively uses a 360 ml claw to cope with high milk flows up to 15 litres per minute. This efficient cluster eliminates the risk of flooding during peak milk flow, providing stable vacuum throughout the milking. The liners attach directly to the claw using a nipple-less design so there is nothing to restrict milk flow.

Design innovations

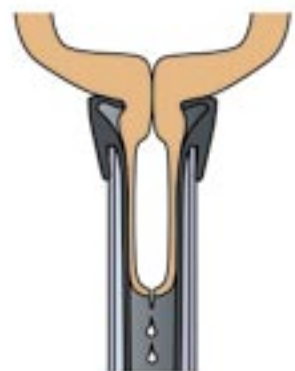
The patented TF (Top-Flow) technology offers quick and gentle milk flow away from the claw. A specially designed centre pipe increases milk flow capacity. The MC53 technology has become a popular choice on dairies around the world.

Unique Liner design

Harmony™ liners feature thin elongated lips that closely follow the contour of the teat and ensure instant response to the pulsating vacuum. As a result, Harmony™ liners require only a small vacuum cavity and a lower vacuum level to hold the cluster onto the teats. This design optimises the milk flow during milking meaning shorter milking time and prevents the entry to the udder cistern being closed at the end of milk let down. This results in a more complete milking out of each quarter of the udder.



Harmony liner at end of milk let down.



Conventional liner at end of milk let down.



The MC53 is a durable and proven design



Heavy-duty stainless steel material gives durable and reliable performance.

The short milk tube's wide diameter helps eliminate restrictions and minimise vacuum fluctuations under the teat. Optimised liner design mimics calf's natural suckling motion.



Nipple-less design allows an unrestricted milk flow to the claw. This design results in no liner cuts.



The support ring provides maximum liner shut-off during attachment.

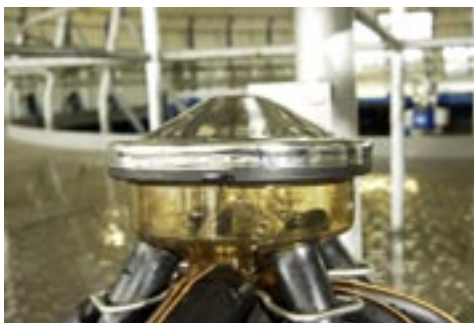


A transparent top provides excellent visibility to monitor milk flow from different angles.

Cluster specifications

Weight	2.1 kg
Short milk tube Ø	12.5 mm
Outlet ID	16 mm
Claw volume	360 ml

The 360 ml claw and TF (Top-Flow) technology quickly handle high milk flows without flooding.





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Surround your milking clusters with reliable and innovative solutions from DeLaval

Correct cluster alignment

Thorough DeLaval research and development has taught us that correct cluster positioning is essential for efficient milking, reduced slips and fall-offs. Easy-to-handle DeLaval clusters combined with a range of tubing materials, assist correct and comfortable alignment. To further improve cluster positioning and working routines, we strongly recommend using DeLaval alignment accessories.

Automatic cluster removal

Removing the cluster automatically is a comfortable and convenient end to milking. DeLaval automatic cluster removers work in conjunction with our flow control devices to eliminate over-milking, which reduces the risk of mastitis and offers smoother workflow with less related injuries.

Effective cleaning control

High quality milk production requires thorough cleaning of the entire milking system after every milking.

A DeLaval cleaning system provides effective cleaning by maintaining tight control of all five key cleaning parameters including detergent type, temperature, contact time, turbulence and water volume. The cluster cleaner's design perfectly matches our wide liner range, to help ensure the mouthpiece of the liners is not damaged during cleaning.

Unbeatable service

A milking system is the hardest working piece of dairy farm equipment. Effectively maintaining your system is vital to ensuring maximum profit from your herd. DeLaval partners you with original parts, highly qualified service technicians and a determination to optimize your milk production. For optimal milking performance DeLaval original liners should be replaced after 2,500 cow milkings or six months, whichever comes first. We offer a complete program covering everything from emergency service to preventive maintenance.

Liner selection							
Article Number	Liner Description	Mouthpiece Ø (mm)	Head	SMT Length Ø (mm)	SMT Ø (mm)	Barrel Ø (mm)	Teat Guide
99900680	Liner 14 18S	18	S	157.0	12.5	23.0	
99900783	Liner 14 20M	20	M	157.0	12.5	22.0	
99900780	Liner 14 20M-EX	20	M	147.0	12.5	23.0	
99900982	Liner 14 20M-SL	20	M	177.0	12.5	23.0	
99900880	Liner 14 22M-EX	22	M	147.5	12.5	25.0	
96400880	Liner 14 22M-LS	22	M	181.0	12.5	22.0	

LS = low slip, EX = extended short milk tube, SL = soft lip, SMT = short milk tube

