

## DeLaval milking point controller **MP400**



Milk twice as many cows in the same amount of time

DeLaval milking point MP400 does half the milking job for you. The result is that both you and your cows feel healthy and perform better. Work flow improves with automated take-off and workload-related stress is reduced.

**Raise milking standards and economic benefits to new levels**

With outstanding design and proven reliability, DeLaval milking point MP400 sets a high the standard for modern, professional milking par-lour operation.

You will see the results in all the key aspects of your dairy operation – higher productivity, greater reliability, first-class hygiene and an improved working environment.

## Impressive features for progressive farmers



### **Easy to operate – even when your hands are full**

As one of your hands is usually holding the cluster, DeLaval milking point MP400 is designed for single-handed operation. The Comfort Start is a standard feature of the MP400. By just lifting the cluster, the milking starts automatically without having to push any buttons. The rope is released without retaining tension, which speeds up cluster attachment. Cluster removal is smoother without any tension on the udder when milking is completed. Adjustable air and vacuum make it simple to adjust cluster retraction speed to suit your herd's requirements.

### **Easy-to-use**

Raise your cluster to start milking. Cluster take-off is then automatically controlled, but the cluster can also be removed at any time by pressing Stop. You can also select manual operation.

A control lamp indicates that everything is functioning properly, while an alarm lamp shows when attention is needed.

### **Decide how the helping hand can help you**

DeLaval milking point MP400 monitors milk flow and ensures automatic cluster take-off at exactly the right moment. The end of milking is a physiologically important

time for your animals, and the MP400 allows you to choose the optimal settings for your herd. The control panel is clear and easy to operate. Two push-buttons and two control lamps are all you need for full control during milking.

### **Components protected by one hygienic aluminium casing**

Apart from the milk flow indicator, all components are pre-mounted inside a tough protective aluminium casing. This simplifies installation and makes the unit easy to keep clean.

## MP400 – for smooth and easy operation

# Electronic pulsator for high precision and durability



## Trustworthy equipment with the best protection

The combined components of DeLaval milking point MP400 are well proven to provide a smooth milking session. The cabinet contains a circuit board, retraction cylinder, control valves, pulsator and wiring.

Due to the optimised arrangement of the compartments, the protective cabinet is small and can be fitted in most types of parlours. The use of aluminium makes the milking point light, durable and easy to install.

## Proper milking routines for consistent milking

With DeLaval milking point MP400, each cow is milked in accordance with its individual milking profile,

for high quality milking – from milk let-down to cluster retraction.

## Maximises milking performance

Each milking point is fitted with DeLaval pulsator EP100, a highly accurate stand-alone (one pulsator per unit) pulsation system that combines secure operation with the best possible teat massage.

The pulsator provides precise and safe pulsation for proper milk extraction and good udder health.

## Strong vacuum cylinder won't corrode

Like the outer casing of the take-off unit, the vacuum cylinder is made of tough, extrusion-moulded aluminium. This robust construction withstands corrosion,

resulting in a long working life, even in the harsh environment of the milking parlour. The controlling electronics and pneumatics are well protected inside the casing.

### TECHNICAL DATA:

Voltage supply:	12 V AC
Material:	Aluminium
Weight:	9.7 kg
Height:	1040 mm
Width:	163 mm
Depth:	159 mm

Pneumatics for a long working life and ultra-smooth take-off



## Automation specification



MP400

X = standard feature  
O = optional feature

### Components

Individual electronic pulsation	X
Duovac	X
Comfort start	X
Automatic cluster removal	X
Adjustable retraction speed at removal	X
Air filtration	X
Integrated in a cabinet	X

### Timers

Vacuum on delay (sec)	X
Premilking phase (0-240 sec)	X
Auto forced vacuum timer (sec)	X
Post milking phase (sec)	X
Proceed to retraction delay (sec)	X
Proceed to milk sweep delay (sec)	X
Milk sweep (sec)	X
Shut off pulsation after milking (sec)	X
Retract/release button toggling	

### User indication during milking

Indicate flow	X
Indicate manual mode	X
Indicate removed after premilking phase	X
Indicate post milking phase	X
Indicate cow finished milking, in manual mode	X
Indicate removal phase	X

### Operation

Start up session with milking points up or down	O
Cleaning position of all milking points per parlour at once	O
Cleaning position without vacuum	X

### Indicators / Milketers

FI2	O
FI5	O
MM25	O
Combicover	O



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