

## DeLaval vacuum pumps DVP & DVPF

Modern, trouble-free solutions



### **Forget your old vacuum pump**

Frequent belt changes, high oil consumption, regular maintenance and costly performance-related service are common annoying reminders that many old vacuum pumps will give you. You can forget these problems by replacing your old vacuum pump with one of the efficient options from the DeLaval vacuum pump range.

### **Two versions**

DeLaval vacuum pump DVP is available in the standard version and the F-version. The F-version allows you to regulate the vacuum pump's speed, to save energy and reduce noise.

# Forget vacuum pump hassles, remember DeLaval DVP & DVPF

## Optimise your milking system

DeLaval vacuum pump DVP gives a very stable vacuum level to help ensure regulators, pulsators and milking clusters optimally function within a smooth, comfortable milking process. This can result in better milk quality and higher farm productivity.

## Reliable performance

Vacuum drives your milking system and a reliable vacuum pump is crucial to efficient milk extraction. DeLaval vacuum pump DVP has reliability built in from the beginning.

Direct-drives eliminate the worries associated with belt-driven pumps. Operation is more precise and tolerances are reduced, to give smoother running with less oil consumption. You never experience vacuum fluctuations caused by loose-fitting, badly aligned transmission belts and you never have to adjust or replace them.

## Efficient operation

Our direct-drive system efficiently combines with precise pump tolerance to deliver more vacuum per kW output. Smooth, easy operation means fewer headaches and can improve your energy consumption savings.



# DeLaval vacuum pump DVPF

## – saves energy and reduces noise

### Save energy

An average milking session uses 30 to 50 percent of the vacuum pump's full capacity, but cleaning uses up to 100 percent. The DVPF vacuum system controller adjusts the pump's speed to meet the system's requirements. This action is customer proven to save between 30 to 60 percent of energy costs.

### Lower noise

DeLaval vacuum pump DVPF allows you to hold a conversation in the milking parlour without having to compete against noise from the vacuum pump. The pump is quiet because it's running at a lower speed during milking.

### Made for milking

DeLaval vacuum pump DVPF continually adapts the vacuum level to your milking system. You set the vacuum level on the vacuum controller and the unit then reduces the overall speed of the pump to precisely match your milking needs. The vacuum controller is pre-programmed for milking. Just set the vacuum level and start milking.

### In combination with VMS

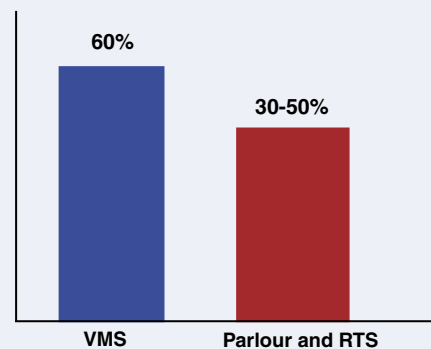
Operating DVPF together with VMS can optimize your systems performance. For instance when there is no cow in the VMS-station, the pump stops.

### Vacuum stability

DVPF gives vacuum stability. The complete system with vacuum sensor, controller and motor reacts quickly to any kind of vacuum level fluctuations. As extra security if something should go wrong, the vacuum regulator will cut vacuum.



Energy saving



Adjusting vacuum pump speed saves energy



### Flexible positioning

The vacuum controller can be positioned wherever you want. It could be convenient to have the controller close to the cleaning unit in your milk room, so that you can see the vacuum level and any alarms from the controller.



### Displayed information

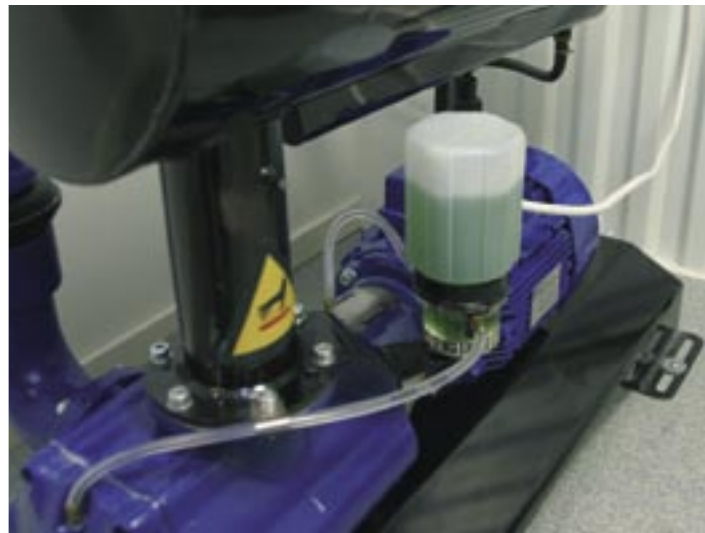
The vacuum controller's display panel gives you all relevant information. You can see the current vacuum level and specific information like low oil warning, high vacuum level, low vacuum reserve or a 'time for service' reminder.



### Integrated solution

The frequency controller and motor are integrated in one unit to eliminate electrical disturbances.





### Attractive design and easy installation

A DeLaval vacuum pump DVP is compact and ergonomic. The absence of exposed moving parts removes the need for bulky protective casings and it's easy to place your DeLaval vacuum pump close to the parlour. This increases your choice of location and reduces the amount of piping needed.

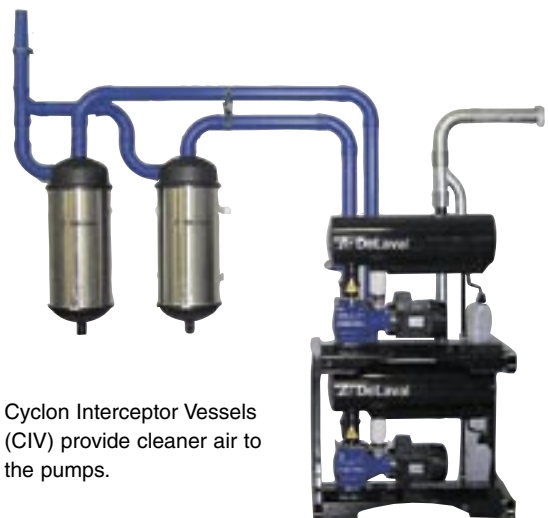
This reliable solution is simple to install because most of the components are factory-fitted. In addition to the pump and motor – DeLaval vacuum pump DVP is supplied with a Cyclon Interceptor Vessel (CIV), check valve, lubricator, piping and an oil reclaimer/silencer.

### Improved safety

DeLaval vacuum pump DVP is safer than belt-driven vacuum equipment and because there are no belts, you don't have to worry about belt tensioning.

### Double the capacity and security

Many farmers prefer a two-pump system. To meet this demand, while still retaining the installation advantages of a single pump – two DeLaval vacuum pumps can be installed in the floor space normally needed for one.



Cyclon Interceptor Vessels (CIV) provide cleaner air to the pumps.

Double-assembly of two DeLaval vacuum pump DVP systems combines extra capacity and security with the installation advantages of a single pump.



DeLaval xxx.  
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Dealer address



**A DeLaval vacuum pump DVPF can:**

- Reduce energy consumption by 30 to 60 percent
- Heavily reduce noise, especially in your milking environment
- Give flexible positioning of the controller – even in the milk room
- Communicate directly with VMS
  - VMS is in full control of the pump
  - All alarms will show up on the VMS PC
- Be easily operated via a display that shows present vacuum level and gives you alarms when:
  - oil level is too low
  - vacuum level is too high
  - you have insufficient vacuum reserve
  - it is time to do service
- Be pre-installed with auto-calibration of the controller
- Eliminate electrical disturbances

TECHNICAL DATA				
Model	Capacity (litre/min)			Motor kW
	50 kPa	Pipeline milking 48 kPa	Parlours and VMS, lowline 42 kPa	
DVP800	800	834	936	2,2
DVP1200	1 200	1 251	1 404	3,0
DVP1600	1 600	1 668	1 872	4,0
DVP900F	900	938	1 053	2,2
DVP1400F	1 400	1 460	1 638	4,0
DVP2000F	2 000	2 100	2 400	5,5