

## Vacuum Chamber Model No. VMS 153

### General

The VMS 153 is one of the larger vacuum chambers we offer. It has the largest vacuum pump, which can run from a standard 240 volt supply making it a quick, efficient machine, without 3-phase requirements. The VMS 153 has a high standard specification, and also offers many optional extras. The VMS 153FH is a free standing version, on castors. The chamber and body is stainless steel, making it perfect for most applications.

### Specifications

- 10 digital programs
- Vacuum pump 21m<sup>3</sup>/hr
- Filler plates supplied
- Soft air

### Options

Trim Seal  
8mm Seal  
2<sup>nd</sup> Seal Bar  
Vacuum Sensor  
Multi-Cycle  
Gas Flush



<b>Specifications of VMS 153</b>	
Machine Size (LxWxH) mm	490 x 525 x 445
Chamber size (LxWxH) mm	420 x 420 x 180
Effective_chamber sizemm	410 x 370
Weight	72Kg approx
Seal length mm	1 x 410
Seal width mm	3.5 parallel seal
Vacuum Pump	21m <sup>3</sup> /h
Consumption	0.75 – 1.0 kW
Power requirements	240 Volt 13 amp supply

# **VACUUM CHAMBER MACHINES**

## **Operation**

A vacuum chamber removes the air out of a bag by use of a vacuum pump. Once the air has been removed the bag is then sealed. The models start with a small tabletop model and progress through various sizes. The cabinet of every model is made of stainless steel, while the chamber is either constructed of stainless steel (VMS machines) or aluminium (VM machines). All models come with filler plates so that the working height inside the chamber can be adjusted for the product.

## **OPTIONS**

### **Gas Flushing**

Adding gas to the package is a way of extending the shelf life of the product. The product, and the space around it in the chamber are vacuumised as normal. Usually after the vacuuming process the bag is sealed; but with gas flushing the pouch is injected with a gas or gas mixture. When the desired volume of gas is reached the bag is then sealed. This gives a very low residual oxygen percentage and the product is no longer under vacuum pressure.

### **Soft Air**

Soft-air is the ideal function to enable fragile (e.g. fish) or sharp (e.g. T-bone) products to be packed without damage. The air enters the vacuum chamber very gently after the sealing process giving the vacuum bag time to form around the fragile or sharp product. The result is that the product or the vacuum bag will not be damaged.

An additional benefit is that the product looks neater with a better formed package.

### **Sensor**

When it is important to obtain an exact vacuum or gas level we recommend a sensor. The standard machine normally relies on a time cycle for the vacuum and gas levels, which is accurate enough for most applications. However, when dealing with products that vary in volume or density, a sensor ensures that each package is under the same level of vacuum.

### **Multi-cycles**

Sometimes it may be necessary to have a repeated sequence of vacuuming and gassing. The multi-cycles option makes this possible with up to 8 processes in one cycle. All models (except VMS 43,53,113 and 133) can be equipped with the multi-cycle option. It is not possible to combine the multi-cycle with the sensor option