

havo hv 300 K-V MediVac

VACUUM CHAMBER MACHINE
WITH TOUCHSCREEN FOR PACKAGING
INDUSTRIAL, MEDICAL AND
PHARMACEUTICAL DEVICES.



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VALIDATABLE VACUUM PACKAGING FOR THE MOST EXACTING DEMANDS.

Vacuum chamber machines in stainless steel for the evacuation and / or gas flushing of flexible plastic packaging. The hv 300 K-V MediVac vacuum chamber machine has been developed to address the specialist needs of the medical and pharmaceutical supplies (life sciences) as well as industrial and consumer goods. It guarantees GMP-compliant packaging in relation to packaging quality and process reliability. The vacuum and gas flushing time can be adjusted independently of each other. The sealing and cooling temperature can be set individually for the selected packaging material. Precise temperature control ensures consistent quality of the sealing seam. The machines are suitable for high volume use in multi-shift operation.

The sealing process can be validated in accordance with the requirements set out in EN ISO 11607-2.

Examples of use:

> *Packaging of industrial, consumer goods and medical devices, implants, pharmaceutical products of all kinds and industrial goods in clean rooms (e.g. semiconductors).*





Display of process parameters and the operating mode selected



Creation of a function list



Data input menu

AppCtrl – TOUCHSCREEN.

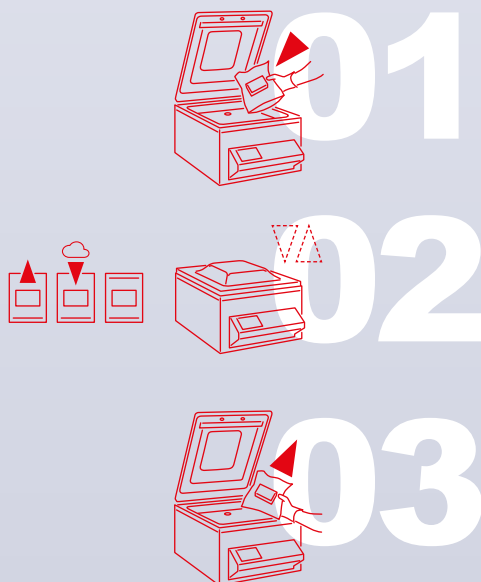
The communications module with a 4.3" TFT colour touchscreen has input applications developed especially by hawo that make operating the machine simplicity itself (AppCtrl). The following functions are also intuitive and easily grasped:

- > Display of process parameters
- > DataMatic: Recording of process parameters in the memory and on USB stick for transfer to an external PC
- > Creation and backup of 50 function lists with process parameters and operating modes
- > User statistics
- > Password-protected inputs

Operation is made even easier thanks to the hawo Intelligent-Scan function: individual specifications for the sealing and vacuum parameters can be programmed quickly and easily via the barcode scanner and barcode lists for the various materials. The barcode lists themselves can be generated individually using the software supplied (e.g. different temperatures).

DataMatic

With DataMatic, all process data can be saved to a USB stick, and transferred to an independent computer for further data processing.



PROCESS.

The filled pouches are placed in the open chamber and positioned with the unsealed side on the sealing bar.

Once the chamber cover is closed, the packaging process begins automatically. After evacuation, any gas flushing required and sealing of the packaging have taken place, the chamber opens automatically.

The finished packaging can be removed. The machine is ready for the next packaging process.

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GENERAL DATA

Mains connection	400 V / 3-phase + N + PE / 50 Hz or 230 V / 50 Hz
Power consumption (during the vacuum and gas-flushing process)	1078 W
Power consumption (only during the sealing process)	2800 W
Dimensions W x D x H	495 x 650 x 370 mm (19.5 x 25.6 x 14.6 inch)
Housing	Stainless steel AISI 304
Weight	74 kg (163 lb)
Seal seam width	8 mm (0.3 inch)
Seal seam length	400 mm (15.8 inch)

VACUUM AND GAS FLUSHING

Pump output	21 m ³ /h
Vacuum	10 - 99,9%
Gas/residual vacuum	10 - 99,9%
Permissible inert gases	CO ₂ , N ₂ , CO ₂ + N ₂ + Ar
Soft ventilation	10 - 99,9%

PACKAGING MATERIALS

Maximum pouch size	400 x 500 mm / 400 x 450 mm (15.6 x 19.7 inch / 15.6 x 17.7 inch)
Polyethylene, polypropylene	x
PVC	x
All types of laminate, including aluminium laminate	x
Film thickness	max. 2 x 0,4 mm (2 x 0.02 inch)

ELECTRONICS

Sealing system	Impulse
Control	Microprocessor

OPERATION AND COMMUNICATION

Operation	Touchscreen (optional IntelligentScan)
Interface	USB, RS 232, Ethernet

PROCESS PARAMETERS (monitored)

Sealing temperature	80 - 250 °C (176°F - 482°F)
Sealing time	0.5 - 10 s
Contact pressure	< 200N
Cooling temperature	50 - 250 °C (122°F - 482°F)
Cooling time	0.5 - 10 s

CONTROL FUNCTIONS AS PER EN ISO 11607-2

Process sequence	automatic / reproducible
Process parameters	monitored
Automatic switch-off in the event of process parameter deviation	x
Warning function in the event of process parameter deviation	x

ACCESSORIES

Label printer	x
IntelligentScan barcode scanner & software	x



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