

# hawo

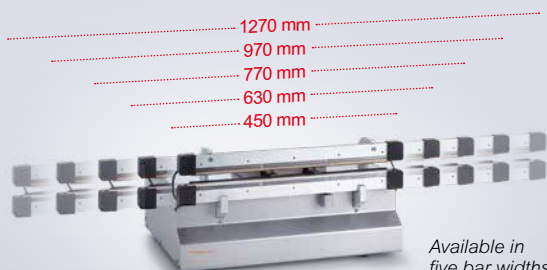
## hv 460/660 AP2

## hv 800/1100/1300 AP2/4-V



### NOZZLE STYLE IMPULSE VACUUM SEALERS FOR INDUSTRIAL, PHARMACEUTICAL AND MEDICAL PACKAGING.

Nozzle style vacuum sealers with and without gas purge of vacuumable film and aluminium materials of all kinds with validatable sealing process compliant with ISO 11607-2. The machines with stainless steel housings are designed for high volumes in multi-shift operation and are ideally suited for sealing medical products, implants, pharmaceutical products of all kinds and industrial products in clean rooms (e.g. semiconductors).



### OPERATION.

- > Programming and data input is easy via the control panel, the IntelligentScan system or the optional SealCom Pro communication module.
- > The machines can be equipped with the hawo ProDoc software for legally secure recording of the sealing process.
- > The optionally available 'bag support device' allows machines also to be set up at an angle or vertically.

### AIR PURITY CLASS.

- > The hv 460 AP2-V impulse vacuum sealer in particular has been certified in accordance with the Fraunhofer IPA qualification mark for clean rooms of air purity class 6, compliant with ISO 14644-1

	hv 460/660 AP2-V	hv 800/1100/1300 AP2-V hv 800/1100/1300 AP4-V
<b>SEALING MATERIALS</b>		
Thermoplastic pouches, header bags (PP, PE, PVC), Peelable films made of PA/PE, All types of laminate, including aluminium laminate	x	x
Film thickness	max. 2 x 0,4 mm	max. 2 x 0,4 mm
<b>TECHNICAL DATA</b>		
Seal seam length	hv 460: 450 mm / 17.7 inch hv 660: 630 mm / 24.8 inch	hv 800: 770 mm / 30.3 inch hv 1100: 970 mm / 38.1 inch hv 1300: 1,270 mm / 50 inch
Seal seam width	8 mm (0.3 inch)	8 mm (0.3 inch)
Number of suction nozzles	2	AP2V: 2, AP4V: 4
Pump output	220 N/min (13,2 m³/h)	220 N/min (13,2 m³/h)
Maximum air consumption	90 – 126 N/min	90 – 126 N/min
Minimum air pressure	6 bar	6 bar
Vacuum time	0 – 60 s, optionally: unlimited	0 – 60 s, optionally: unlimited
Maximum vacuum	- 85 kpa (- 637,5 mm Hg)	- 85 kpa (- 637,5 mm Hg)
Pressure (during gas flushing, connection only with corresp. pressure reducer)	5 bar	5 bar
Gas flushing time	0 – 15 s	0 – 15 s
Permissible inert gases	N <sub>2</sub>	N <sub>2</sub>
Ventilation or cleaning time	0 – 15 s	0 – 15 s
Compressed air connection 1/4 inch	min. 6 bar	min. 6 bar
Dimensions W x D x H	hv 460: 515 x 490 x 280 mm hv 660: 700 x 490 x 280 mm	hv 800: 880 x 490 x 280 mm hv 1100: 1.070 x 490 x 280 mm hv 1300: 1.370 x 490 x 280 mm
Housing	Stainless steel AISI 304	Stainless steel AISI 304
<b>ACCESSORIES</b>		
Power Kit 554 N/min instead of 220 N/min	x	x
Positioning tray	x	x
Clamping lever (foil holder)	x	x
Label printer	x	x
Tripod for conversion to standalone HV ST	x	x
Digital vacuum switch	x	x
Operation via IntelligentScan	x	x
SealCom Pro (optional communication module)	x	x
PC-documentation software ProDoc	x	x

### ProDoc

#### DOCUMENTATION SOFTWARE.

With the hawo ProDoc PC-documentation software, legally compliant process documentation is seamlessly and completely possible. The software automatically receives the parameter data of the process variables as well as other relevant protocol data (e.g. machine number, personnel number, etc.). The sealing protocols are digitally signed and legally archived in a PDF format protected against unauthorized changes.

### SealCom PRO

#### OPTIONAL COMMUNICATION MODULE.

Optional the communication module SealCom PRO with 10.4 inch colour touchscreen is available, resolution 1024 x 768 XGA. The system allows create and backup of 50 function lists with process parameters and operating modes. The process parameters are recorded to a USB stick by DataMatic automatically and transferred to an external computer for further data savings.