

hawo



LIFE SCIENCE 4.0

**hpl 460-1300 AP-V**

V.1.0

# hpl 460-1300 AP-V

hald

SEMI-AUTOMATED HIGH-TECH IMPULSE BAR SEALERS  
FOR INDUSTRIAL, PHARMACEUTICAL  
AND MEDICAL PACKAGING.

## **hpl 460/660 AP-V** **hpl 800/1100/1300 AP-V**

The validatable impulse bar sealers are ideal for sealing thermo-plastic polymer films and aluminium laminate films, as well as for sealing medical packaging in accordance with ISO 11607-1 (EN 868-4/5/9/10). The process is validation-compatible in accordance with the requirements of ISO 11607-2:2019/ISO/TS 16775.

The machines with stainless steel housings are designed for high volumes in multi-shift operation and are ideally suited for sealing all kind of medical products, implants, pharmaceutical products of all kinds and industrial products in clean rooms (e.g. semiconductors).

The impulse sealer fulfills the requirements of the guideline of the World Health Organisation (WHO) as well as the new guideline of the World Federation for Hospital Sterilisation Sciences (WFHSS). Validatable sealing process according to EN ISO 11607-2:2019 and the international guidance ISO/TS 16775.

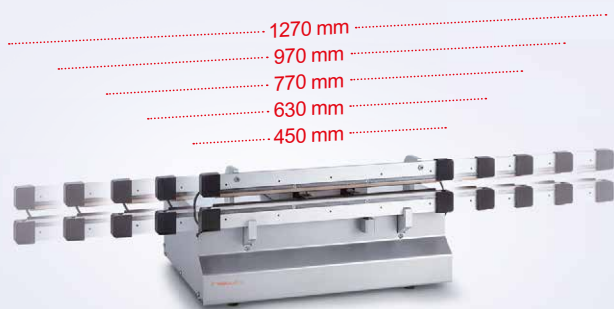
### **AIR PURITY CLASS.**

An individual certified clean room measurement with classification for each device is available.



*hpl 460 AP-V*

*hpl 660 AP-V  
with SealCom PRO*



Available in  
five bar widths.

### FLEXIBLE IN SIZES.

The sealers are available in bar widths of 450, 630, 770, 970 and 1,270 mm (18, 25, 30, 38 and 50 inches).

### Examples of use:

> Packaging of all industrial products, medical products, implants, medicines, pharmaceutical products of all kinds (e.g. header bags), packaging of spare parts in all industries, office requirements, foods, laboratory products, commercial products in whole-sale and retail and animal nutrition.

### FLEXIBILITY AND PERFORMANCE.

hawo impulse bar sealers have a number of features ensuring that sealing is user-friendly, safe and easy. The 8 mm (0.3 inch) wide seal and sealing seam and the customisable settings options for the process parameters therefore offer maximum flexibility when it comes to choosing packaging materials, such as:

- > Polymer materials (e.g. polyethylene, polypropylene, polyolefins, PVC)
- > Sealable paper pouches (EN 868-4)
- > Sealable paper/plastic pouches and reels (EN 868-5)
- > Uncoated nonwoven materials of polyolefins (EN 868-9)
- > Adhesive coated nonwoven materials of polyolefins (EN 868-10)
- > All types of laminate, including aluminium laminate
- > Header bags

### DocLink – COMMUNICATION.

The impulse bar sealer features RS 232 interfaces as standard for bidirectional communication.

### 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 stand allows machines also to be set up at an angle or vertically. The housing is made from stainless steel and is suitable for use in clean-room environments (special models on request). An individual certified clean room measurement with classification for each device is available.



### 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.



### ProDoc

#### DOCUMENTATION SOFTWARE.

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.



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### SEALING MATERIALS

Thermoplastic pouches, header bags (PP, PE, PVC)	x	x
All types of laminate, including aluminium laminate	x	x
Sealable paper/plastic pouches and reels (EN 868-5)	x	x
Uncoated nonwoven materials of polyolefines (EN 868-9)	x	x
Adhesive coated nonwoven materials of polyolefines (EN 868-10)	x	x

### TECHNICAL DATA

Mains connection	230/115 V	230/115 V
Mains frequency	50/60 Hz	50/60 Hz
Power consumption (only during the packaging process)	2,800 W (16 A, characteristic curve G (K))	2,800 W (16 A, characteristic curve G (K))
Compressed air connection 1/4 inch	min. 6 bar	min. 6 bar
Dimensions W x D x H	hpl 460: 515 x 490 x 280 mm (20.3 x 19.3 x 11 inch) hpl 660: 700 x 490 x 280 mm (27.6 x 19.3 x 11 inch)	hpl 800: 880 x 490 x 280 mm (34.6 x 19.3 x 11 inch) hpl 1100: 1,070 x 490 x 280 mm (42.1 x 19.3 x 11 inch) hpl 1300: 1,370 x 490 x 280 mm (53.9 x 19.3 x 11 inch)
Housing	Stainless steel AISI 304	Stainless steel AISI 304
Weight	hpl 460: 35 kg (77 lbs) hpl 660: 36 kg (80 lbs)	hpl 800: 43 kg (95 lbs) hpl 1100: 62 kg (137 lbs) hpl 1300: 63 kg (140 lbs)
Seal seam width	8 mm (0.3 inch)	8 mm (0.3 inch)
Seal seam length	hpl 460: 450 mm (17.7 inch) hpl 660: 630 mm (24.8 inch)	hpl 800: 770 mm (30.3 inch) hpl 1100: 970 mm (38.1 inch) hpl 1300: 1,270 mm (50 inch)

### PROCESS VARIABLES AND PARAMETERS

Sealing temperature	max. 250°C (482°F)	max. 250°C (482°F)
Sealing time	0,5 – 10 s	0,5 - 10 s
Contact pressure	> 80 N	> 80 N
Cooling temperature	50 – 250°C (122 – 482°F)	50 - 250°C (122 - 482°F)
Cooling time	0,5 – 10 s	0,5 - 10 s

### ACCESSORIES

Tray	x	x
Clamping lever (foil holder)	x	
Label printer	x	x
Stand for conversion to a floor mounted machine	x	x
Operation via IntelligentScan	x	x
SealCom Pro (optional communication module)	x	x
PC-documentation software ProDoc	x	x
Cutting device	on demand	on demand

Technical modifications reserved  
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