hawo

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PATIENT SAFETY 4.0

hm 460/660 AS-V

V.1.0

MORE INFO:

https://www.valdamarkdirect.com/heat-sealers/medical-sealers/hawo-hm-validatable-impulse-sealers/

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 sealing seam and the customisable settings options for the process variables 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 polyolefines (EN 868-9)*
> *Adhesive coated nonwoven materials of polyolefines (EN 868-10)*
> *All types of laminate, including aluminium laminate*

OPERTATION.

> *Programming and data input is easy via the control panel, the IntelligentScan system or the optional Seal-Com 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 sealers are available in bar widths of 450 mm and 630 mm (cutting lengths 360 mm and 540 mm).
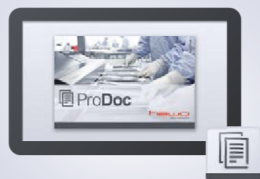
ProDoc DOCUMENTATION SOFTWARE.

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.

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 furhter data savings.

DYE PENETR
hawo InkT

The hawo InkTest is a classic test method for detecting seal leaks in porous medical packaging by dye penetration as per ISO 11607-1 and ASTM F1929. To do this, a special test fluid is pipetted into the pouch or film tube. Any irregularities (e.g. channels) therefore become immediately visible. Thanks to the practical pipette, sealing seams can be tested from both sides. The hawo InkTest comes in a 75 ml bottle with the eyedroppers and a drip container.

hawo InkTest ASTM F3039-15.

While the traditional ASTM F1929 ink test is used for porous packaging materials, the ASTM F3039-15 is intended for non-porous packaging materials.

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APPLICATION AND CERTIFICATIONS

industry Life Science, medical industry suitable for use in Life Science, medical	Particularly	x	x
Compliance with EN ISO 11607-2:2019		x	x
Compliance with CEN ISO/TS 16775		x	x
Compliance with DIN 58953-7:2010		x	x
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))

TECHNICAL DATA

Dimensions W x D x H	530 x 330 x 220 mm	700 x 330 x 220 mm
	(20.9 x 13 x 8.7 in)	(27.6 x 13 x 8.7 in)
Weight	25 kg (55.1 lbs)	25,5 kg (56.2 lbs)
Seal seam width	8 mm (0.3 in)	8 mm (0.3 in)
Cutting lenght	360 mm (14.2 in)	540 mm (21.6 in)

SEALING MATERIALS

Sealable paper pouches according to EN ISO 11607-1/EN 868-4	x	x
Sealable pouches and reels according to EN ISO 11607-1/EN 868-5 made of fi lm and paper according to EN 868-3	x	x
Sealable pouches and reels according to ISO EN 116071/EN 868-5 made of fi lm and uncoated materials made of polyolefi ne according to EN 868-9 (e. g. Tyvek®1)	x	x
Sealable pouches and reels according to ISO 11606-1/	x	x
EN 868-5 made of PP fl eece or PP nonwoven		
All types of laminate, including coated aluminium laminat	x	x
Polymer materials (e.g. polyethylene, polypropylene, polyolefi ns, PVC)	x	X

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	fi x > 80 N	fi x > 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
Label printer	x	x
Stand for conversion to a fl oor mounted machine	x	x
Operation via IntelligentScan	x	x
SealCom Pro (optional communication module)	x	x
PC-documentation software ProDoc	x	x

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