

# hd 680 DE / DE-V

haldor

THE GENERATION EASY ROTARY SEALERS FOR THE  
PACKAGING OF SEALABLE POUCHES AND REELS



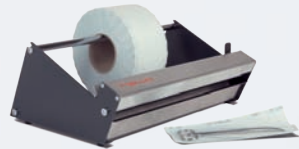
# GENERATION EASY

hawo

THE ROTARY SEALERS HD 680 DE AND HD 680 DE-V ARE THE HIGH PERFORMANCE DEVICES OF THE HAWO GENERATION EASY PRODUCT LINE. WE'VE DEVELOPED THE EQUIPMENT IN THIS NEW GENERATION OF PRODUCTS FOR THE HIGH DEMANDS ON PROFESSIONALISM, AESTHETIC AND SOLIDITY IN MEDICAL PRACTICES AND CLINICS. THE PURIST AND MEDICAL PRACTICE-SUITED DESIGN, THE HIGH QUALITY AND ROBUST MATERIALS AND OBSERVANCE OF THE HIGHEST SAFETY GUIDELINES, MAKE THE GENERATION EASY EQUIPMENT INTO THE PERFECT COMPANION FOR DAILY HYGIENE IN THE MEDICAL PRACTICE. IMMEDIATELY THE NEW HD 680 DE-V IS VALIDATABLE.



\*In 2007 the basic device hd 680 DE was singled out with the "Good Design Award" from the Chicago Athenaeum—Museum of Architecture and Design. It is assigned annually for outstanding products of industrial, product, and graphic design. In addition the hd 680 DE device was nominated for the "German Design Award 2009"—the highest design award in Germany.



Foil roll holder hd 611 S



> **hd 680 DE / hd 680 DE-V**

The rotary sealers hd 680 DE and hd 680 DE-V accomplish the automatic sealing of sterile barrier systems (SBS) in doctors' and dentists' practices and laboratories. Due to a rotary speed of 10 m/min they are ideal for a high turnover of instruments.

> **DESIGN**

The restrained and clear impression, the sophisticated combination of the materials plastic and stainless steel, as well as the electronic high tech lend the devices a comfortable haptic and aesthetic optic.

> **VALIDATION (ONLY HD 680 DE-V)**

The device hd 680 DE-V thereby fulfils all necessary requirements for process validation according to EN ISO 11607-2 as well as the therefrom resulting specifications of the German Society for Sterile Supply DGSV detailed in the 'Guideline for the Validation of the Sealing Process'.

> **ECOLOGY**

During development, value was placed on a minimum use of material, reduced abrasion and low energy use (hawa „Green Tek™“). Due to a novel sealing system on the devices hd 680 DE and hd 680 DE-V, only 300 watt is needed, which is considerably less power current than before. In addition, a stand-by function exists which turns the motor off when not in use.

> **ERGONOMICS**

Work processes in the preparation of instruments should be as simple and comfortable as possible. That's why the unit is aligned for the ideal utilization of the work area—a storage tray is, for example, not necessary.

> **FUNCTIONALITY**

Quickly graspable functions and thought through solutions make perfect operation possible. Due to the patented hawoflex™ sealing system of the hd 680 DE-V the device conforms to every material (sealable pouches/reels (even gusseted pouches) and Tyvek® (HDPE).

> **MAINTENANCE**

The high quality plastic and stainless steel surface guarantees high durability and makes cleaning truly simple. Maintenance is reduced to a minimum; worn parts are easily replaceable.

# hd 680 DE / DE-V

**hawo**

TECHNICAL DATA	hd 680 DE	hd 680 DE-V
Validatable process according to EN ISO 11607-2		x
Sealing system	permanently heated	permanently heated
Microprocessor system	x	x
CE sign	x	x
GS-Proven safety	x	in preparation
Calibration certificate	x	x
Conformity with DIN 58953-7:2003	x	x
Conformity with EN ISO 11607-2		x
Sealing speed/sealing time	10 m/min	10 m/min
Sealing temperature max.	220°C/428° F (monitored)	220°C/428° F (monitored)
Contact pressure	self adjusted	100 N (monitored)
Temperature tolerance ± 5°C (DIN 58953-7:2009)	x	x
Machine stop in case the process parameters exceed predetermined limits		x
Energy-saving function (stand-by)	optional	optional
Seal seam width	12 mm/0.5 in	12 mm/0.5 in
Seal seam length	endless	endless
Piece counter	optional	optional
Overheat protection	x	x
Mains connection, frequency	115/230 V, 50/60 Hz	115/230 V, 50/60 Hz
Power max.	300 Watt	300 Watt
hawo "Green Tek™"	x	x
Dimensions WxDxH (for installation)	505 x 255 x 145 mm / 19.8 x 10.0 x 5.7 in (incl. infeed section)	505 x 255 x 145 mm / 19.8 x 10.0 x 5.7 in (incl. infeed section)
Weight (approx.)	12 kg/26,5 lbs	12 kg/26,5 lbs
Stainless steel casing cover AISI 304	x	x
Seal distance from edge 0 - 35 mm	x	x
Distance to medical product predefined > 30 mm (DIN 58953-7:2003)	x	x
Shape of sealing seam	multi-line (fluted)	hawoflex™ / multi-line fluted, optional
Patented hawoflex™ contact pressure system		x
Reverse feed	x	x
Sealing materials: EN 868-4 (sealable paper pouches), EN 868-5 (sealable pouches and reels), aluminium-laminate film, gusseted pouches	x	x (plus tyvek® (HDPE))
Sealing process	automatic/reproducible	automatic/reproducible
Interface for data transfer		in preparation
Automatic start of motor by photocell	x	x
<b>ACCESSORIES</b>		
Tray hd 650 T	x	x
Roll conveyor hm 500 RT	x	x
Wall mounting hd 680 W	x	x
Film roll dispenser hd 611 S	x	x
Seal Check med	x	x
See-through packaging reels (hawomedpack) (L x W: 200 m x 50, 100, 150, 200, 420, 750 mm)	x	x

## GENERATION EASY

More about GENERATION EASY and other equipment of the new generation of products can be found at [www.generationeasy.com](http://www.generationeasy.com)

## SERVICE

Maintenance, calibration, validation service and seal seam strength test according to prEN 868-5:2009.

## SUPPORT

As the operator you are always responsible for your processes. Ask your authorized dealer or us for the possibilities for process control and routine documentation.

## ADDITIONAL PRODUCTS AND APPLICATIONS

**SEAL CHECK MED** An easy to use seal indicator for the daily control of your sealing processes. Occasional problems or errors in quality properties can be easily recognized through this feature. Furthermore, the Seal Check med can be used for the routine documentation of the sealing process.

**SEAL SEAM STRENGTH TEST** For the regular checking of the seal seam resistance according to the guidelines of prEN 868-5:2009 we offer a Peel Test Service for seal seam strength test. This standard recommends a minimum seal seam resistance of 1.5 N before and after sterilization, which is certified by an appropriate certificate.



**hawo** GmbH  
Obere Au 2-4  
74847 Obrigheim/Germany

T +49 (0) 6261 / 9770-0  
F +49 (0) 6261 / 9770-69  
[info@hawo.com](mailto:info@hawo.com)  
[www.hawo.com](http://www.hawo.com)