

HemoWeld - SLIM™

HemoWeld-Slim™ is a stand-alone, benchtop, automatic device that manages sealing procedures of medical grade tubing having an outer diameter up to 6.35 mm (1/4") and features the unique (EU Patented) tube positioning system with an integrated splash guard.

The device is designed to be used in blood bank laboratories, but it must not be used during the blood collection process with the donor/patient still connected to the needle.

HemoWeld-Slim™ is equipped with a secondary RF output where an optional sealing handgun can be connected.

This bench top sealer can be easily configured in a cascade configuration down to a 60mm segmentation pitch.

HemoWeld-Slim™ autodetects the cascade configuration and it is designed to perform a blood pressure proof clamping sequence towards the bag. In the cascade configuration, an automatic LED signal informs the user of the correct bag side positioning. The cascade connection is simple and linear, with no dummy plugs or false cables. To disconnect one unit from the chain, you simply must turn off that specific unit: the cascade sealing will still work properly. You can even turn off all the devices in a chain and work with a single sealer without detaching any cable.

The optical detection of the tube starts the automatic clamping and radio frequency (RF) sealing; however, an optional dedicated foot switch can be connected to start the sealing procedure in place of the automatic option.

The equipment has been designed for medium- and heavy-duty jobs.

Delcon S.r.l.

Via Zanica 19 F/I, 24050 Grassobbio (BG) -

T (+39) 035 45 22 336 - www.delcon.it

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1. MAIN FEATURES OF THE DEVICE

- Unique advanced tube positioning system integrated in the cap
- Unique effective splash guard integrated with the tube positioning system
- Optical tube detection
- Automatic selection of the sealing time according to the tube
- Quick sealing procedure in less than 2 seconds according to the tube size
- Slide-in tube design for easy tube insertion
- Secondary RF output for optional sealing handgun connection
- Optical and acoustic signals for humidity or dirt presence on the electrodes
- USB connection.
- Easily removable cap for cleaning with automatic detection of cap removal
- Acoustic and multicolor visual signaling
- International and standardized icons on the main panel
- Main panel oriented to the operator for easy tube insertion and better visualization
- Works on single-phase line with a wide range voltage input: 100-240VAC 50-60Hz

2. COMMERCIAL AND REGULATORY DATA

Tradename:	HemoWeld-Slim™	**Manufacturer:**	Delcon S.r.l.
Sales code:	HWELDC.DB.00		
Class of protection:	1 (According to IEC 60601-1)	**Applied part:**	No applied part
Classification – MDR 2017/745:	Class1 Medical device	**Reference standard:**	Safety: IEC 60601-1, EMC: IEC 60601-1-2
Listing FDA & Class:	D316978, Class I (according to 21 CFR 864.9750)		

3. TECHNICAL DATA

Dimensions:	400 x 220 x 58mm (main body) (15,8 x 8,7 x 2,3 inch)	**Weight:**	3,7 kg (8,2 lbs)
Max RF output power:	80 W	**Working frequency:**	40.68MHz
Power consumption:	315 VA max	**Line frequency:**	50÷60 Hz
Power supply:	100/240Vac		
Sealing time:	1 to 2 s depending on temperature and tubing outer diameter, thickness and hardness		
Can seal:	standard PVC tubing medical grade up to 6.35 mm (1/4”) at 20°C		
USB standard.	USB 2.0 (FAT32 file system) for settings and read log data (LinkSeal external SW is available optionally)		
Conditions of use:	Temperature: 10° ÷ 40°C (50° ÷ 104° F); Humidity: 10 ÷ 90% RH non-condensing; Altitude: -380 ÷ 5000 m (-1246 ÷ 16404 ft)		
Conditions for storage and transportation:	Temperature: 0° ÷ 40°C (32° ÷ 104° F); Humidity: 10 ÷ 90% RH non-condensing; Altitude: -380 ÷ 5000 m (-1246 ÷ 16404 ft)		

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