

## Heat Sealing Device, Type HSD



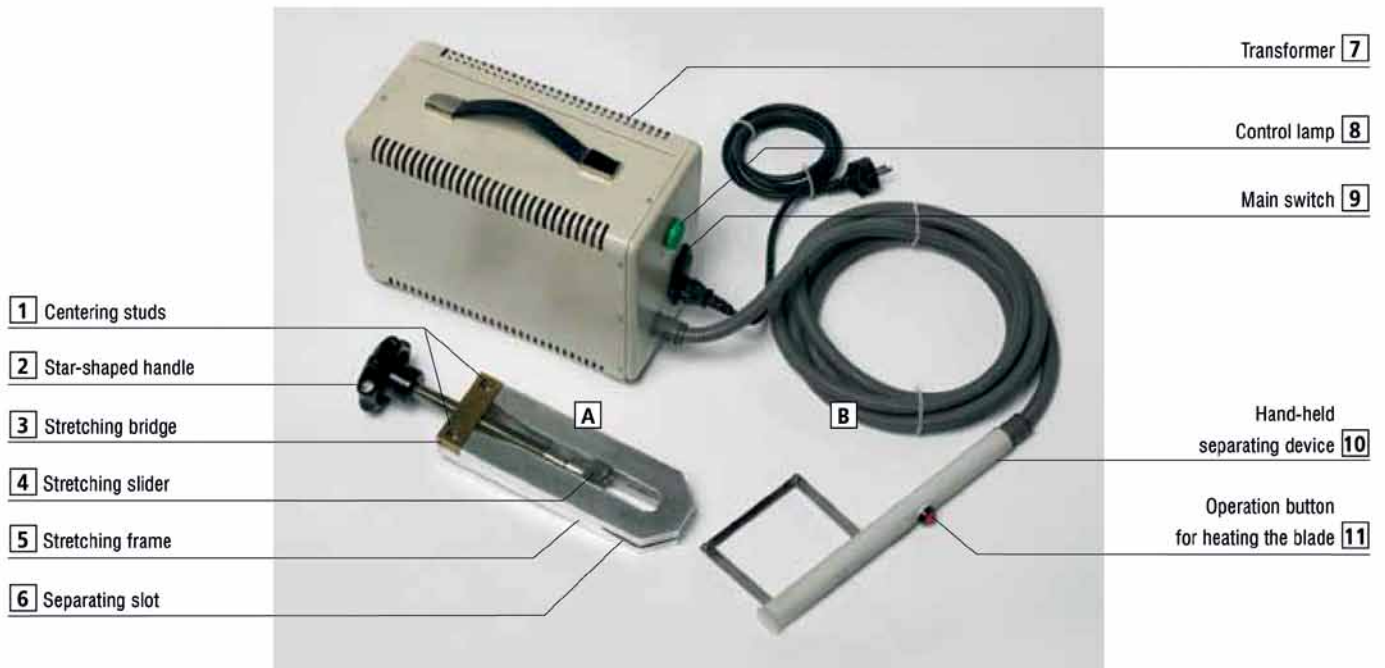
### Range of Application

Due to the exceptionally high safety requirements in regard of changing filter elements in nuclear facilities, laboratories etc., Krantz has developed a unique “safe change” procedure – system FZK – utilizing the heat sealing device.

The Krantz heat sealing device provides ease of handling and guarantees optimum safety. The maintenance bag is gathered clamped tightly and heat sealed so that the contents of the maintenance bag and the inside of the filter housing be sealed and separated in one simple process.

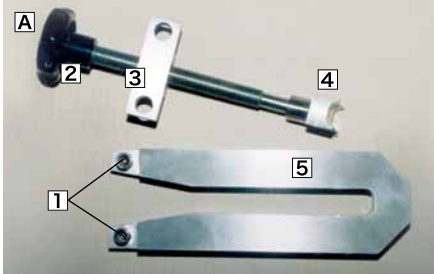
### Design

The Krantz heat sealing device consists of the clamping device **A** for the bag, heated element **B**, transformer **7** and a separating device **10**.

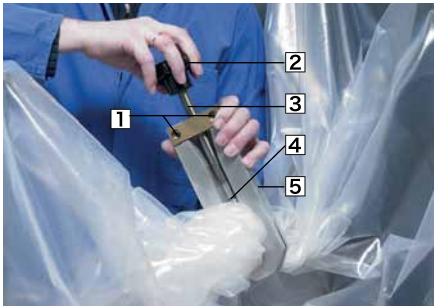


Heat seal device, type HSD with clamping device for plastic bag

**Operation**



- Displace the stretching slider **4** by turning the star-shaped handle **2** of the clamping device **A** in order to have an opening slot of about 10 cm.
- Lift out the stretching bridge **3** from the centering studs **1** and pull out the stretching slider **4** from the stretching frame **5**.



- Snatch up the maintenance bag at the separating position, implement it into the stretching frame **5**. Slide the stretching slider **4** into the stretching frame **5** and snap in stretching bridge **3** into centering studs **1**.
- Compress maintenance bag tight by turning the star-shaped handle **2**. Only a very tight compressing is inducing a faultless separating procedure.

- Switch on transformer **7** with main switch **9**, control lamp **8** is active.
- Switch on hand-held separating device **10** by pressing the operation button **11**, electric current is only active when button **11** is pressed.
- Wait until hand-held separating device **10** is shining red in front of a dark background.

**! Attention:**  
Do not touch hot parts of the separating device and do not touch flammable or heat-sensitive parts with it.

- After cutting the maintenance bag lead the separating device sometimes on both sides of the bag up and down in order to seal both ends of the bag properly.

**! Attention:**  
Do not inhale gas from the sealing process!

- Take out separating device **10** of the separating slot **6** and unhand operation button **11**.

**! Attention:**  
Separating device is still hot and might not be contacted with flammable and heat sensitive parts.



- Implement hand-held separating device **10** into separating slot **6** of the stretching frame. Put the separating device through the compressed maintenance bag slowly with cutting movements without any pressure.

- Switch off transformer **7** with main switch **9**, control lamp **8** will go out.
- After 5 minutes of cooling time (hardening time for the sealed bag ends) open the clamping device **A**, the sealing procedure is finished.

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