

## **SHRINKFAST-HEAT TOOL TYPE 998**

### **Operating Manual**

#### **I. Preparations**

- The pressure reducer is connected to the stationary propane gas cylinder (never use motor gas, which is used for fork lift trucks!) and tighten it with an open-end wrench (please check the condition of the seal on the pressure reducer beforehand).
- Connect gas hose (still without heat tool - attention: left-hand thread).
- Blow out the hose by briefly opening the cylinder tap, since impurities in the hose could clog the fine nozzle of the unit.
- Connect the heat tool with the swivel coupling to the gas hose and tighten it firmly with a counter wrench.
- Check the tightness: open the tap on the liquid gas cylinder and close it again. The pressure should remain constant for 3 minutes, otherwise the connections or the hose are leaking. Check with soapy water or leak detection spray.

#### **II. Commissioning**

- Open the tap on the liquid gas cylinder. Push the red button of the hose rupture protection.
- Press in the rear lock (safety clip) on the handle of the gun, then slowly press the trigger in the front (trigger clip) until gas can be heard flowing out. Then press all the way down until ignition occurs. If ignition does not occur, repeat the procedure.

#### **III. Shutdown**

- The flame is extinguished by releasing the safety and the trigger (i.e. dead-man-trigger).
- After finishing the work as well as in case of a longer interruption of the work, the tap of the liquid gas cylinder must be closed tightly. The remaining gas, which is in the hose, must be flamed off (actuate the igniter again).

## Operating Manual for SHRINKFAST-Heat Tool Type 998

### IV. Rules for shrinking

- Place pallet on 2 skids (approx. 5 - 10 cm high) so that the pallet is not directly on the floor and the corners of the pallet are free. First shrink the film overhang all around under the pallet.
- Move the device evenly over the surfaces in a fan-like manner at a distance of approx. 15 - 20 cm with large and slow strokes.
- Finally, also shrink the top of the pallet.
- When the gas pressure decreases (the sound of the unit becomes quieter), i.e. when the gas run out, the flame pattern changes for a short time. It is then advisable to change the gas cylinder

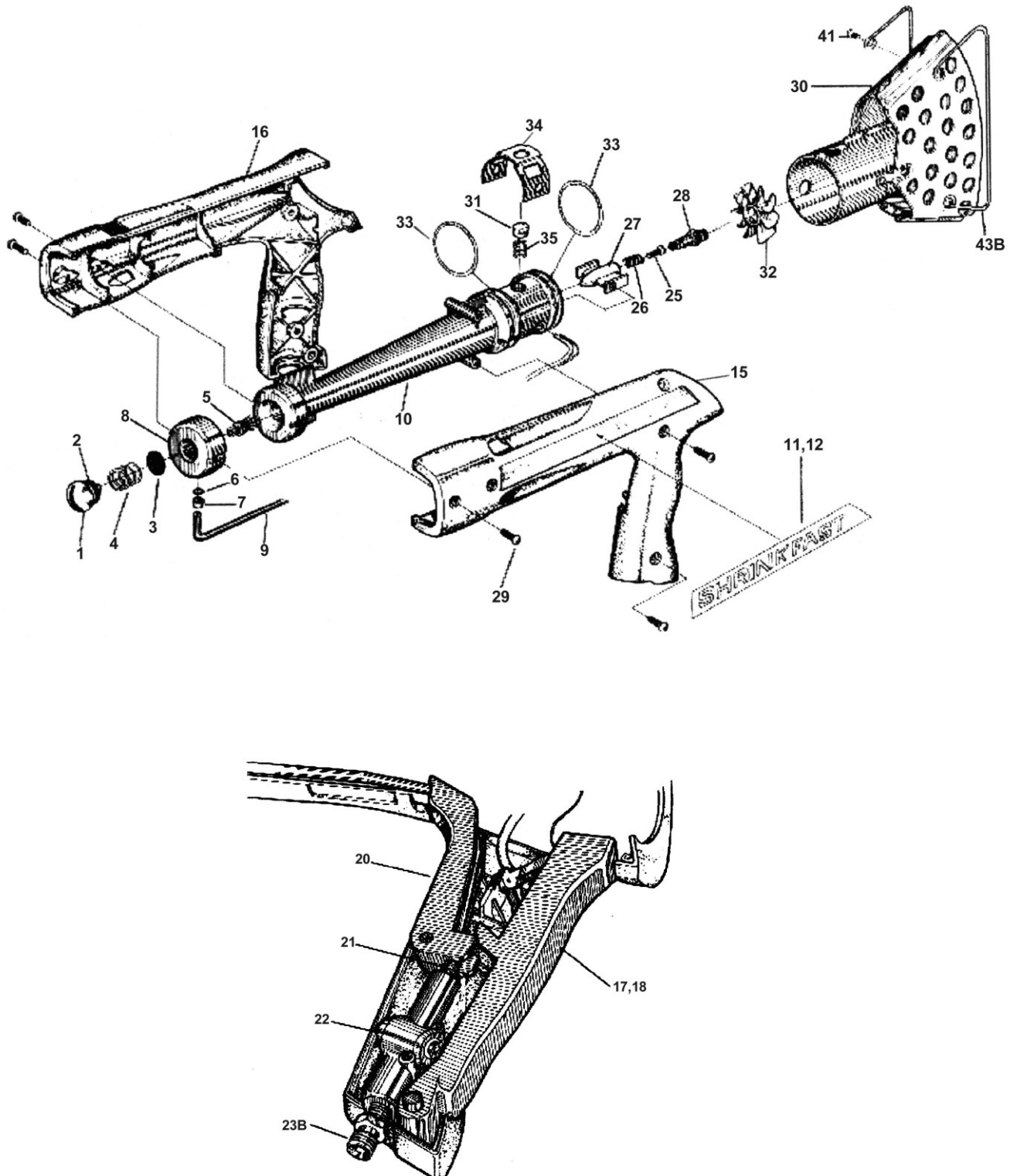
### V. Precautions

- The relevant liquid gas guidelines and the accident prevention regulation BGV D 34 (previously VBG 21) must be considered. In particular, the place of work should be well ventilated. The gas containers must not be set up in rooms or recesses that are below ground level or from which gas can flow into rooms below ground level.
- To prevent fires, no combustible objects or flammable or explosive materials are to be stored near the site. A fire extinguisher must be within reach.
- Repair work on the heat tools may only be carried out by trained specialists or within a specialist workshop.
- Damaged and leaking gas hoses must be replaced immediately.
- Only specified spare parts from the following spare parts list for the SHRINKFAST heat tool may be used.
- For special attention: In the event of a sharp drop in pressure, change the gas cylinder or end the shrinking process, as the flame will then change. Attention, in this case the combustor can heat up - danger of burns!  
Our pressure reducer is preset at 1.5 bar, this is the optimum operating pressure.

**Spare Part List for SHRINKFAST-Heat Tool Type 998**

<u>Item-Nr.</u>	<u>Item</u>	<u>Pos. Nr. (in drawing)</u>
1000010	Filter Holder	1
1000020	O-Ring	2
1000030	Filter Disc	3
1000040	Filter Spring	4
1000050	Orifice	5
1000060	O-Ring	6
1000070	Retainer	7
1000080	Inlet	8
1000090	Fuel Line	9
1000100	Body – not available as spare part	10
1000110	Label, Right Hand	11
1000120	Label, Left Hand	12
1000150	Housing, Right Hand	15
1000160	Housing, Left Hand	16
1000530	Trigger-Igniter-Assembly	17 + 18
1000200	Safety	20
1000210	Spring under Safety	21
1000220	Valve Assembly	22
1000231	Hose Adapter	23B
1000250	Contact Screw	25
1000260	Contact Spring	26
1000270	Socket	27
1000280	Spark Plug	28
1000290	Assembly Screw	29
1000300	Combustor	30
1000310	Button	31
1000320	Flameholder	32
1000330	O-Ring	33
1000340	Strap	34
1000350	Button Spring	35
1000410	Guard Screw	41
1000431	Guard (per piece)	43B
1000361	Gas Hose, 8 m long	--
1000520	Pressure Reducer 1,5 bar with integrated hose rupture protection	--

**Explosion Drawing of SHRINKFAST-Heat Tool Type 998**



## **Recommended safety measures for SHRINKFAST heat tool type 998**

The following must be observed when using mobile or hand-operated shrinking machines for packing pallets:

- the operating personnel must be thoroughly instructed
- shrinkable PE films of suitable dimensions must be used
- make sure that there is a distance of approx. 15 - 20 cm between the shrinking device and the shrink film
- from the lower edge of the pallet, there must be sufficient film (approx. 20 cm) for the so-called “undershrink”, in order to avoid direct impact of the shrink temperature, e.g. on the wooden pallet, and in order to obtain a good shrinkage (securing the packaged goods)
- the shrink film must not be tightly wrapped around the packaged goods prior to shrinking
- the hot shrink film must not be touched with bare hands, we recommend heat-resistant work gloves here
- the prescribed gas pressure and the type of gas (propane gas) must not be changed
- always only use propane gas from gas cylinders that are in an upright position (never use motor gas, which is used for forklifts!)
- the gas pressure is 1.5 bar and fixed due to our pressure reducers
- the working place for using the heat tool should have following ramifications:
  - foundation not combustible
  - free space of approx. 3 meters
  - this free space must be free from other packaging materials and should be clean
  - the space must be well ventilated
  - do not shrink below ground level
  - there should be a suitable fire extinguisher in the shrink area

### **Recommended safety measures for SHRINKFAST heat tool type 998**

- after shrinking, the heat tool should be hung up on a suitable device or stored safely
- during long breaks or at the end of work, the gas cylinder valve must be closed and the residual gas in the gas hose must be flamed off by activating the igniter again
- the heat tool and the gas cylinder should be locked away and stored in a safe place.
- the heat tool must never be pointed at a person or a flammable object
- working with a defective device is prohibited and must be stopped immediately!
- repairs may only be carried out by trained specialists

UVV safety inspection: Heat tools must be inspected every two years by an expert in accordance with DGUV regulation 79! We carry out these UVV tests on our premises. You are welcome to contact us.

#### General:

In addition to constructional technical equipment measures, the functioning of the entire safety catalog must be guaranteed by organizational precautions. The respective in-house regulations have priority when it comes to using a hand shrink device.

If you have any questions about the use of the equipment on the one hand and the safety precautions on the other, we would be pleased to advise you in detail.