

TEROSON[®]

TEROSON ET Multipress

Order Code: IDH 142241

Operating Manual



Henkel Adhesive Technologies

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TEROSON ET Multipress

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1 PLEASE OBSERVE THE FOLLOWING



Before installing the system: For safe and successful operation of the unit, read these instructions completely. If instructions are not observed, the manufacturer will not accept any liability.
Be sure to keep the manual close at hand for further reference.

1.1 Emphasized Sections



Danger!

Refers to safety regulations and requires safety measures that protect the equipment operator or other persons from injury or danger to life.



Caution!

Emphasizes what must be done or avoided so that the unit or other property shall not be damaged.



Note!

Gives recommendations for better handling of the unit during operation or adjustment as well as for service activities.

- The point emphasizes an instruction step.

The numbers printed in bold in the text refer to the corresponding item numbers in the illustration on pages 5.

1.2 Items Supplied

- 1 pc TEROSON ET Multipress, order no. 142241 incl.
- 1 pc. Black screw collar for standard applications
- 1 pc. Blue screw collar for sprayable seam sealant



Note

As a result of technical development, the illustrations and descriptions in this operating manual may deviate in detail from the actual unit delivered.

1.3 For your Safety

Please refer to the relevant Technical Data Sheet for the TEROSON® product to be processed at <https://www.henkel-adhesives.com> or request the Technical Data Sheet and the Safety Data Sheet (in accordance with REACH Regulation (EC) No. 1907/2006) from your Henkel Technical Service.

INSTRUCTIONS given in these data sheets must be strictly followed!

While under warranty, the unit may be repaired by an authorized Henkel service representative only.



Danger!

Improper handling of chemicals may result in potential health hazards!

Observe general safety regulations for the handling of chemicals!

Follow the manufacturer's instructions! Request a safety data sheet for the LOCTITE® product to be processed!

Only non-flammable cleaning agents are allowed!

Always wear goggles when working with compressed air!

We cannot be held responsible for damage or injury of any kind because of failure to observe the instructions in this Operating Manual.

Before using TEROSON ET Multipress, always check that the nozzle ring is tightly in place. If necessary, tighten it further.

Only change cartridge when pistol disconnected from air mains.

Do not use damaged cartridges.

Do not aim TEROSON ET Multipress at people.

Does not function when nozzle ring is incorrectly fitted.

1.4 Field of Application (Intended Use)

The TEROSON ET Multipress is a 1 component handheld device usable for low viscose adhesives and sealants for spray seam and spray coating (UBC) application from aluminium cartridges and for bead applications from aluminium or plastic cartridges. The TEROSON ET Multipress has a dual-circuit air system to be usable for spraying TEROSON products. Sprayable products are silane-modified polymers.

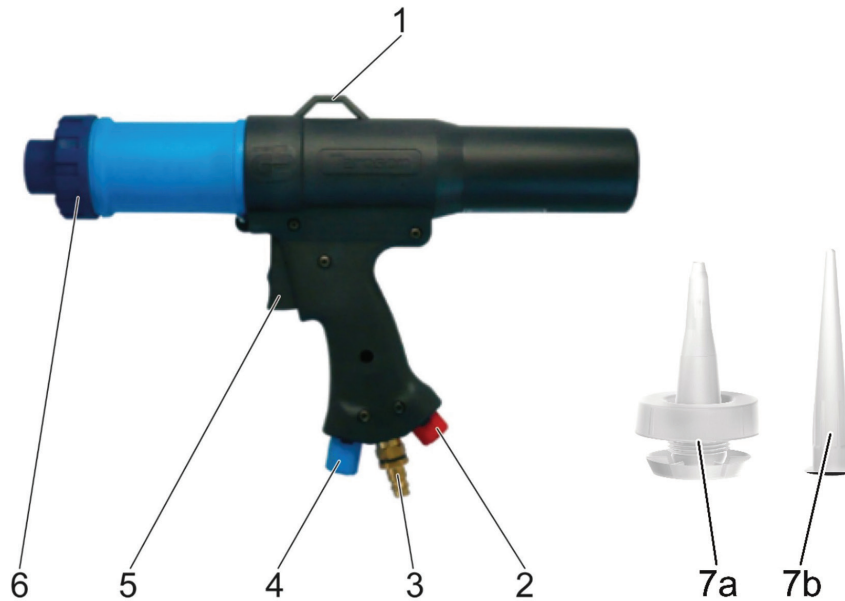
2 DESCRIPTION

2.1 Theory of Operation

With separate control valves, the spray air and the material feed rate can be adjusted. They enable an infinitely variable fine adjustment according to the respective application. The telescopic cylinders guarantees the hermetic separation of sealant and compressed air, whereby the medium evenly on the surface to be coated without air bubbles, or is sprayed.

By pulling the trigger a compressed air cushion is built up behind the telescopic piston and the cartridge is squeezed out.

2.2 Operating Elements and Connections



1 Eyelet for balancer suspension

2 Red adjusting screw (Compressed air control) to adjust sealant flow

3 Air pressure connector to connect air pressure supply. Use quick coupling DN 7.2 (Standard).

4 Blue adjusting screw (Atomizing air control) to adjust atomizing air

5 Trigger

6a Blue screw collar spray dispensing version

6b Black screw collar bead dispensing version

7a TEROSON Spray Nozzle supplied with the product cartridge

7b TEROSON Bead Nozzle supplied with the product cartridge

3 TECHNICAL DATA

Air supply pressure	Min. 7 bar, max. 10 bar
Recommended dispensing pressure	0-7 bar
Compressed air quality	Free of dirt, dry, lightly oiled
Compressed air connection	Plug for air coupling system DN 7.2
Operating temperature	0°C to +60°C (+32°F to +140°F)
Cartridge Dimensions (L x Dia.)	220 mm max. x 50 mm max, up to 310 ml
Weight	1,65 kg

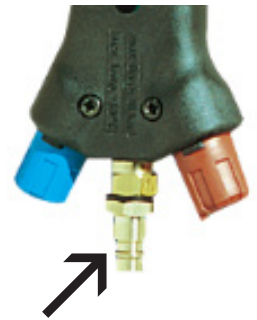
4 INSTALLATION

4.1 Environmental and Operating Conditions

- Avoid exposure to direct sunlight and UV radiation!
- The equipment should be installed in a dry, dust-free place.

4.2 Connection

- Connect the air pressure supply here. Use a quick coupling DN 7.2 (Standard).



5 OPERATION

5.1 Prepare the surface for dispensing/spraying

- Clean all contamination from the surfaces and pre-treat sealing area using approved TEROSON cleaner.



5.2 Prepare the cartridge

- ! Caution!** The thread on nut and cartridge tube must be free from contamination. Before each use, check the tightness of the cartridge nut.

- Pierce the bottom cover of aluminum cartridges with a suitable tool and remove the desiccant material therein.
- Pierce the cartridge tip with an appropriate tool.

5.2 Prepare the cartridge

Spray application:

- Screw dispensing nozzle **7a** hand-tight onto cartridge.
- Insert cartridge into the air dispenser.
- Screw blue collar **6a** onto dispenser and tighten it when spraying is recommended.



5 OPERATION

5.2 Prepare the cartridge

Bead application:

- Screw dispensing nozzle **7b** hand-tight onto cartridge.
- Insert cartridge into the air dispenser.
- Screw black collar **6b** onto dispenser and tighten it when dispensing a bead is recommended.



5.3 Start-up for spray dispensing

The TEROSON ET Multipress has a dual-circuit air system. Supply pressure should be at least 7 bar (100 p.s.i.). Higher air pressure is reduced automatically.

- Screw air nozzle **7a** onto blue screw collar **6a**.

Flow of material and flow of air can be adjusted independently of one another by means of the adjusting knobs.

Red adjusting knob 2 = Flow of material

Blue adjusting knob 4 = Flow of air



Before processing begins, the regulator for the medium to be processed and the regulator for the coating work must be set. If necessary, a test is carried out on a suitable surface.

The internal working pressure is controlled only by adjusting the blue and red adjusting screws on the pneumatic valve and can not be controlled by the position of the trigger.

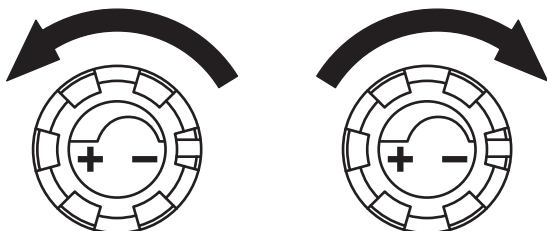
When you release the trigger 5 the pistol is vented—the media flow stops, it is vented with a hissing sound.

- Adjust knobs to produce required spray pattern.

For both adjusting knobs:

Turn left = Increase pressure

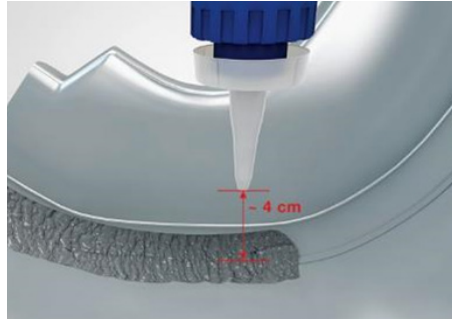
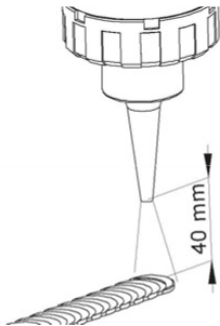
Turn right = Decrease pressure



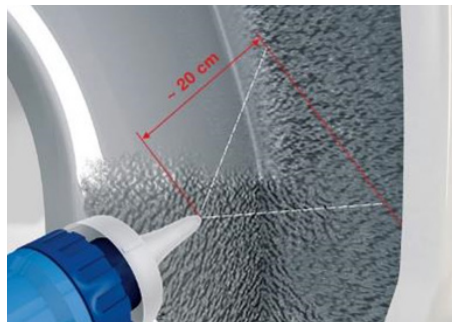
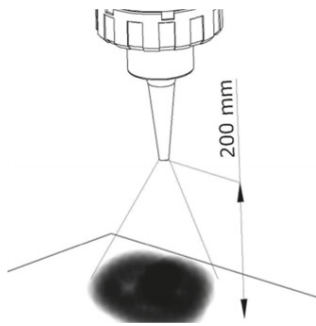
5 OPERATION

5.3 Start-up for spray dispensing

Narrow spray pattern for Seam Sealing:



Wide spray pattern for Surface Coating:



5.4 Start-up for bead dispensing

The TEROSON ET Multipress has a dual-circuit air system. Supply pressure should be at least 7 bar (100 p.s.i.). Higher air pressure is reduced automatically.

Flow of material can be adjusted by means of the red adjusting knob 2.

By turning the blue knob (spraying air) to the right turn off the spray air 4.



5.4 Start-up for bead dispensing

Before processing begins, the regulator for the medium to be processed and the regulator for the coating work must be set. If necessary, a test is carried out on a suitable surface.

The internal working pressure is controlled only by adjusting the red adjusting screw on the pneumatic valve and can not be controlled by the position of the trigger.

5 OPERATION

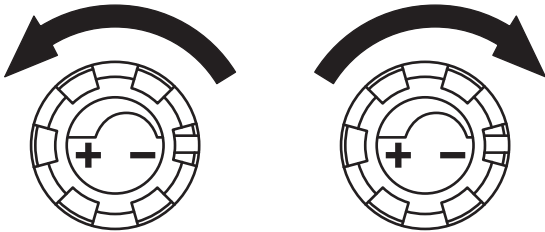
5.4 Start-up for bead dispensing

When you release the trigger 5 the pistol is vented—the media flow stops, it is vented with a hissing sound.

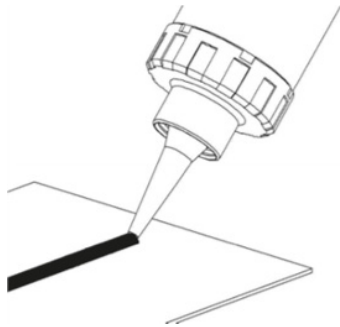
- Adjust red knob 2 to produce required bead pattern.

Turn left = Increase pressure

Turn right = Decrease pressure



Dispensing beads:



6 MAINTENANCE AND SERVICE

- Lightly grease the seal ring on the cartridge tube that seal against the cartridge nut.
- Occasionally clean the filter sieve in the air inlet. For this purpose unscrew the compressed air supply (plug-in pin) and remove the sieve.
- Keep the thread of the cartridge screw collar and the cartridge tube free of grease and clean.
- In case of contamination of the dispenser by sealants and adhesives from the processed cartridge the dispenser should be cleaned with appropriate cleaning tools.
- Do not use aggressive cleaning agents or solvents. Plastic parts may not be damaged.

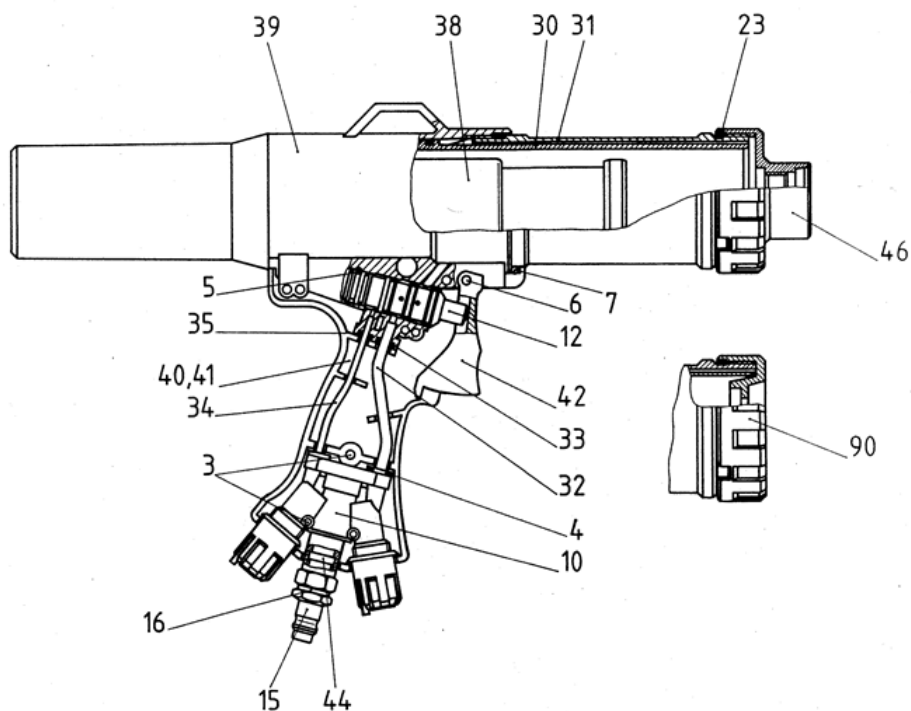
7 TROUBLESHOOTING

Malfunction	Possible Causes	Corrective Action
The medium is not sprayed, despite spraying air regulator completely open.	<ul style="list-style-type: none"> – The two part nozzle is not installed correctly. – The atomizing air channel in the cartridge tube is dirty / clogged. 	<ul style="list-style-type: none"> • Mount the two part nozzle correctly. • Clean the pipe replace if necessary.
The press out speed is too low.	<ul style="list-style-type: none"> – The compressed air control (red screw) is set incorrectly. – Pressure input is too low. – The filter in the compressed air supply is blocked/clogged. 	<ul style="list-style-type: none"> • Adjust settings correctly. • Check pressure input. • Clean filter, see section 6.
In working position air escapes from the dispenser.	<ul style="list-style-type: none"> – A leak can the working pressure in the dispenser drop. 	<ul style="list-style-type: none"> • Check the seal on the compressed air connection and tighten if necessary the plug-in pin. • Teroson service.

8 SPARE PARTS

Pos.-No.	Item No.	Amount	Description
3	040123856	11	Housing screw 4x12
4	040364161	2	Sealing ring for hose 6/4
5	040721161	1	Cylindrical pin mount for control valve
6	040721261	1	Cylindrical pin axis for trigger guard
7	040805546	1	Set screw M5x12
10	032075301	1	Pressure regulator
12	032075501	1	Control valve
15	041717131	1	Spigot incl. sealing ring
16	042058501	1	Sealing ring for spigot
23	042042011	4	O-ring 54x3 outer pipe
30	043633101	1	Internal pipe
31	043633201	1	Outer pipe
32	043804371	1	Air hose 6/4
33	042006251	2	O-ring 6x2.5 for hose 6/4
34	043849431	1	Air hose 4/2.5
35	042004221	2	Sealing ring for hose 4/2.5
38	032075101	1	Telescoping cylinder
39	045040161	1	Pistol body
40	045040811	1	Grip plate, right
41	045040821	1	Grip plate, left
42	045128182	1	Activation lever
44	045910181	1	Sieve
46	040239311	1	Cap nut M64x4 (blue)
90	040239281	1	Cap nut M64x4 (black)



When placing an order, be sure to indicate the article numbers.




9 CE AND UKCA DECLARATION OF CONFORMITY

Declaration of Conformity

TEROSON®

 EU Declaration of Conformity	
Original	
Designation of the unit:	TEROSON ET Multipress
Unit number:	Order no. (IDH): 142241
Function:	Pneumatic telescopic multifunction handgun to dispense single component adhesives and sealants, like Silicone, Polyurethane and MS polymer, out of 300 ml cartridges.
Manufacturer:	Henkel AG & Co. KGaA Henkelstraße 67 40589 Düsseldorf Germany
This declaration of conformity is issued under the sole responsibility of the manufacturer. The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:	
Applicable EC regulations	Directive 2006/42/EC Machinery Directive
Applicable harmonized standards	EN ISO 12100:2010
Authorized person in the EU for technical files:	Henkel AG & Co. KGaA Henkelstraße 67 40589 Düsseldorf Germany
Place and date of issue: Düsseldorf, 2024-07-18	Signed for and on behalf of Henkel AG & Co. KGaA:  Michael Brunner Business Development Manager Equipment

UK CA	UK Declaration of Conformity	
Original		
Designation of the unit:	TEROSON ET Multipress	
Unit number:	Order no. (IDH): 142241	
Function:	Pneumatic telescopic multifunction handgun to dispense single component adhesives and sealants, like Silicone, Polyurethane and MS polymer, out of 300 ml cartridges.	
Manufacturer:	Henkel AG & Co. KGaA Henkelstraße 67 40589 Düsseldorf Germany	
This declaration of conformity is issued under the sole responsibility of the manufacturer. The object of the declaration described above is in conformity with the relevant UK legislations:		
Applicable UK legislations:	S. I. 2008:1597 - The Supply of Machinery (Safety) Regulations 2008	
Applicable designated standards:	EN ISO 12100:2010	
Authorized person in the UK for technical files:	Henkel Ltd Wood Lane End Hemel Hempstead Herts HP2 4RQ	
Place and date of issue: Düsseldorf, 2024-07-18	Signed for and on behalf of Henkel AG & Co. KGaA:  Michael Brunner Business Development Manager Equipment	

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