

# Translation of the Original- Operating Instructions

## VETTER PPE Changing Tent



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## 1. Important preliminary remarks

These instructions must be read carefully and complied with at all times to ensure this product is used properly and as intended, to ensure this product provides the greatest possible benefit, and that the entitlements within the scope of the Vetter warranty are preserved.

Each use/operation of the PPE changing tent requires detailed knowledge and compliance of these instructions.

The operating instructions given here are to be regarded as part of the product and are to be kept for the complete life duration of the product. In case the product should be passed on to a successive user then the operating instructions must also be included.

## 2. Description of the product

### 2.1 Scope of delivery

#### Descriptions

<b>Set PPE Changing tent (Article No. 1520059700), consisting of:</b>	<b>1</b>
Tent frame 0.5 bar (7.25 psi) and tent floor (with grab handles and coat hanger holders)	1
Tent cover Changing tent	1
Entry cover Changing tent	2
Separation wall Changing tent, removable	1
Pegs	14
Bag, red, for tent pegs	1
Set Repair material	1
Valise for Changing Tent	1

### 2.2 Intended use

Changing tents offer emergency services the possibility to lay down their contaminated PPE after operation in troops as soon as possible.

Always use compressed air with the PPE changing tents - never ever use flammable or aggressive gases. Only Vetter original fittings and parts may be used for the PPE Changing tents.

### 2.3 Safety instructions

Only trained, reliable, and responsible employees are permitted to use and operate this product. Wear the required protective gear and clothing. Please contact the manufacturer or authorized retailer when detecting cracks, fissures, holes, or leakages on the pneumatic supporting frame during the product inspection. Such defects can lead to bursting. Always avoid contact with hot or sharp-edged materials.



**Always fasten tents with anchoring ropes or depending on the wind, use ballast containers (filled with water).**



## 3. Preparing the product for use

### 3.1 Preparations for operation

Inspect the PPE changing tent before and after each operation to ensure correct and perfect condition. It is imperative, that the recommended folding instructions will be observed.

## 4. Operating Instructions

Open the valise. Lay out the tent at the required location. The ground area must be free of any sharp-edged or pointed objects!

The PPE Changing tents are designed to be inflated with a blower or with compressed air.

### 4.1 Operation with blower (see operating instructions blower)

The inflation connection for blowers is opened, when air flows through. Connect the inflation hose of the blower to the inflation connection of the tent. Unscrew the cap from the inflation connection in a counter-clockwise direction and check whether the valve is closed. Make certain there is perfect locking of the couplings of the inflation hose with the tent coupling and the blower.

Start the blower and fill the PPE Changing tent until the maximum permitted operating pressure. The tent erects automatically. The safety valve integrated into the support frame avoids over-inflation. As soon as you can hear the safety valve actuating, the filling can be ended. To do this, switch off the blower fan, separate the filling hose from the fill connection and re-secure the cap (by turning clockwise).

**Note! Should parts of the support frame become caught up during erection then switch off the blower immediately and rectify the problem. Inflation can then be continued after doing this.**



e.g. Blower 0,14-0,4 bar  
(2.03-5.08 psi) 230 V  
(Art. No. 1523017700)



## 4.2 Operation with compressed air

Connect the pressure regulator with the knurled wheel on the compressed air bottle. Close the hand wheel (3) of the pressure regulator. Open the valve on the bottle (5) slowly. The manometer (1) indicates the pressure in the bottle. Adjust the output-pressure to approximately 10 bar (145 psi) using the adjustment wheel (4). The set pressure can be checked on the outlet-pressure gauge (2). Connect the air hose of the pressure regulator (6) with the brass coupling (7) of the inflation connection. Open the pressure regulator and start inflation. Observe the tent during the inflation process. The tent erects automatically. The built-in safety valve in the support frame prevents any filling in excess of the operating pressure. As soon as you can hear the safety valve actuating, the filling can be ended. Close the handwheel of the compressed air cylinder for this purpose. Now the filling hose can be separated from the filling connection.

**Note! Should parts of the support frame become caught up during erection then switch off the blower immediately and rectify the problem. Inflation can then be continued after doing this.**



## 4.3 Deflation

The deflation of the support frame happens over the inflation connection. To deflate the tent, close the air source (compressed air cylinder, etc.) and disconnect the pressure reducer or the filling hose of the blower. The deflation valve is opened by pressing-in and turning the pin (1) counter clockwise.



Pin before locking



Pressing-in + turning



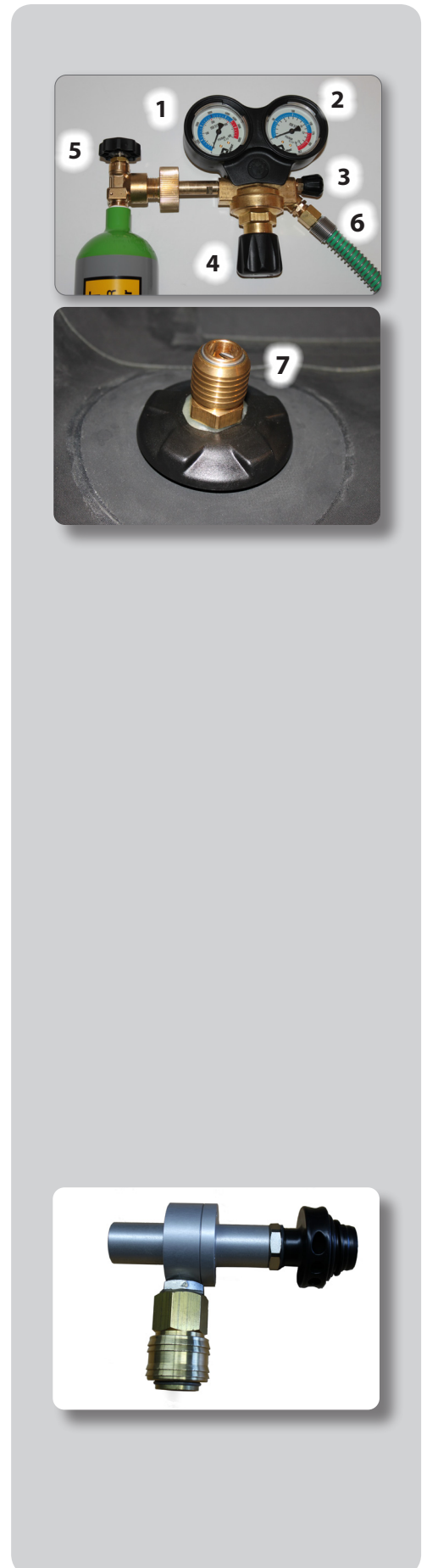
Valve open

Fold the tent in the way, that the air can escape (Folding to the direction of the inflation connection). Residual emptying can be carried out with the aid of a vacuum adapter (Art. No.: 1600016301).

To do this, screw the vacuum adapter (black filling connection) into the vent valve (not into the brass coupling). Connect the quick-action coupling to the connection hose of the pressure reducer. Slowly open the hand wheel of the pressure reducer. Inlet pressure max. 6 bar (87 psi), optimum 4 bar (58 psi).

It is also possible to deflate the support frame with a blower with deflate function. Follow the operating instructions of the blower.

**After deflation and before packing, the valve must be unlocked again in order to guarantee perfect inflation when it is next used!**



## 4.4 Folding plan

**Before packing, the tent frame must be completely empty.**



1. Fold lengthwise one time.



2. Fold both sides one time to the middle



3. Bring the left side to the right side



4. Fold the tent three times in the direction of the inflation connector.



5. Place the tent into the valise



## 5. Practical Tips

- ✓ The tent floor as well as the tent entry and exit covers are removed easily and quickly if it is needed. Hook and loop fasteners are used to attach the tarpaulin to the pneumatic supporting frame.
- ✓ When using tent heaters, avoid blowing heat directly onto parts of the tent.
- ✓ If needed, suitable lights can be suspended from the supporting frame.
- ✓ After use, clean the tent with a mild cleanser before packing. Allow the parts to dry at normal room temperature. Treat outer surfaces with commercially available impregnating agents.
- ✓ Follow the instructions of the folding plan to fold and pack the tent. Make sure that the tent is folded and packed in an orderly manner and as instructed to ensure the tent is easy to unpack next time it is needed.

## 6. Storage

**When stored and handled properly, the properties of rubber products remain nearly constant for a long period of time. However when handled improperly and under unfavourable storage conditions, their physical properties and/or service life are shortened!**



Please comply with the following storage conditions:

Store in a place that is cool, dry, dust-free and moderately ventilated.

The storage temperature should be approx. 15 °C; never let it exceed 25 °C.

The temperature should also not fall below -10 °C.

If there are heating appliances and heating conductors in the storage room, they must be appropriately insulated so that the temperature of 25 °C is not exceeded. Maintain a minimum clearance between the heating appliances and the stored goods of 1 m (59.1 inch).

Do not store rubber products in moist storage rooms. The relative humidity should be less than 65 %.

Protect the rubber products from light (direct exposure to sunlight, artificial light with high proportion of UV). The windows in the storage room need to be correspondingly darkened.

Make sure that the storage room does not contain any appliances that cause ozone.

The storage room must be free of solvents, fuels, lubricants, chemicals, acids, etc.

Store rubber products without pressure, tensile stress or similar distortions since that can promote deformations or crack development.

Some metals such as copper and manganese can also have a damaging effect on rubber products.

For more information please refer to DIN 7716.

## 7. Repeated Inspections

The tents and their accessories should be subjected to a visual and functional inspection by a trained technician before and after each use but at least once a year. This requires inflating the tent to approx. 50 % of the max. working pressure (0.25 bar/3.6 psi). Check all pressurized parts for fissures, cracks, cuts, puncture holes, detached spots, and heat or chemical damage.

If the pressure does not experience a significant drop within one hour, the tent is ready for use.

Please contact the manufacturer in case of larger damage or if you have any questions.



## 8. Repair Instructions

Minor damage such as cracks, cuts, or punctures (max. 4 cm/1.6 inch) can be repaired by the operator with the enclosed repair kit. Please follow these steps:

1. Select the size of the patch, so that the patch extends approx. 4 cm/1.6 inch beyond the damaged area on all sides.
2. Mark patch area on the supporting frame.
3. Roughen the area of the patch on the surface of the supporting frame as well as one side of the patch.
4. Apply a thin layer of the special adhesive to the roughened spot on the supporting frame and the roughened side of the patch.
5. Allow special adhesive to dry for approx. 10-15 minutes until no longer sticky.
6. Press patch firmly onto the pretreated area of the supporting frame and smooth out.
7. Allow unpressurized supporting frame to rest for at least 48 hours.

**Only the manufacturer is able to repair damage that is more extensive.**

A trained technician must check the tent and its supporting frame for leaks after the repairs.

## 9. Technical data

Type	PPE Changing tent	
Article No.		1520059700
Colour		grey
Usable area	m <sup>2</sup>	6.84
Cabins		2
Cabin area (Width x Depth)	cm	190 x 180
	ft.	74.8 x 70.9
Setup time with compressed air bottle (back pressure 5 bar/72.5 psi), approx.	sec.	40
Setup time with blower, approx.	sec.	55
Width	cm	380
	ft.	149.6
Depth	cm	180
	ft.	70.9
Ridge height	cm	255
	ft.	100.4
Eaves height	cm	200
	ft.	78.7
Width of the doors	cm	150
	ft.	59.1
Air requirement at 0,5 bar (7.25 psi), approx.	l	1005
	cu.ft.	35.49
Working pressure	bar	0.5
	psi	7.25
Test pressure	bar	0.65
	psi	9.4
Folded size (L x W x H), approx.	cm	95 x 55 x 35
	inch	37.4 x 21.7 x 13.8
Weight, approx	kg	35
	lbs	77.2

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## **Place your trust in emergency pneumatics!**

We are the company who can help you, find a solution to your problem!

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