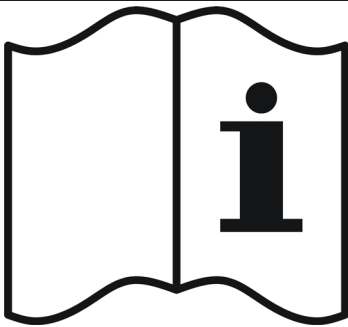


Translation of the original operating instructions

Vetter Pneumatic Hazmat Container PAB



Keep in a safe place for future use



Contents

1. Important preliminary remarks	2
2. Description of the product	2
2.1 Inventory check	2
2.2 Area of application.....	2
2.3 Safety instructions	2
2.4 Correct handling and usage.....	3
3. Preparing the product for use	3
3.1 Preparations for operation	3
4. Operating instructions	3
4.1 Operation with compressed air.....	3
4.2 Pumping off the collected fluid.....	4
4.3 Deflation	4
5. Cleaning.....	4
6. Inspection.....	5
7. Storage.....	5
8. Taking the product out of operation	6
9. Technical data	6
10. Material and resistance list	6
10.1 Material list.....	6
10.2 Temperature resistance limits	6
10.3 Resistance chart	7

1. Important preliminary remarks

Only an understanding and exact observance of this operating manual can guarantee correct and perfect operation, achieve the greatest possible use and meet the requirements contained within the scope of the Vetter guarantee.

Every application/operation of the Hazmat Container PAB requires an exact understanding and adherence to these operating 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 Inventory check

Article No.	Description	PAB 3000	PAB 5000
151000302	Pneumatic stiffening frame	x	
1510004301	Pneumatic stiffening frame		x
1510000200	Special flexitank 3000 l/106 cu.ft., PVC-coated on both sides	x	
1510004600	Special flexitank 5000 l/1077 cu.ft., PVC-coated on both sides		x
1600034000	Pressure regulator 200/300 bar/4500 psi	x	x
3110000700	Valise (110 x 72 x 30 cm/43 x 28 x 12 inch)	x	
1520004200	Valise (110 x 85 x 40 cm/ 43 x 33 x 16 inch)		x
0050004500	Set repair material	x	x

2.2 Area of application

Contaminated extinguishing water, chemicals, oil and dirty water must be quickly collected and temporarily stored in cases of fire, floods, storms, pipe bursts and accidents.

To do this, the Vetter Pneumatic Hazmat Container is now available.

2.3 Safety instructions

All relevant national regulations regarding work safety and accident prevention are to be just as equally observed as those regulations generally recognized in the engineering field. Work protection clothing is to be worn during operational conditions.

2.4 Correct handling and usage

The Pneumatic Hazmat Container PAB is only allowed to be used with compressed air. Only original Vetter inflation fittings are to be used in order to avoid over-inflation of the Hazmat Container.

3. Preparing the product for use

3.1 Preparations for operation

Only perfectly working Hazmat Containers are to be used having original Vetter inflation fittings. Before being used, the chemical resistance of the PVC foldable container is to be tested against the liquid or substance to be collected.

4. Operating instructions

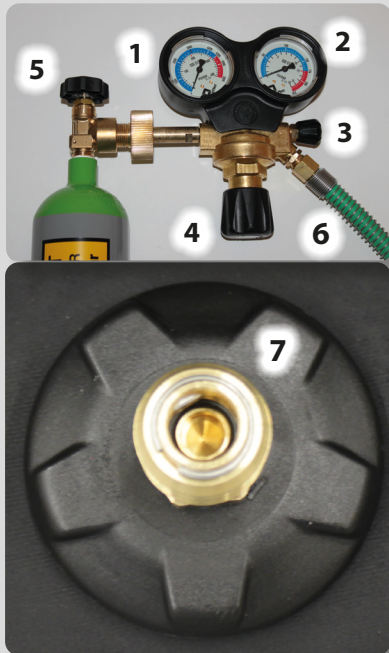
Open the packing cover. Lay out the Pneumatic Hazmat Container at the required location. The ground area must be free of any sharp-edged or pointed objects!

4.1 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 compressed air cylinder (5) slowly. The manometer (1) indicates the pressure in the bottle. Adjust the back-pressure to approximately 10 bar/145 psi using the adjustment wheel (4). The set pressure can be checked on the back-pressure manometer (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 Pneumatic Hazmat Container during the inflation process. 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 valve of the compressed air cylinder (5) for this purpose. Now the filling hose can be separated from the filling connection.

The Vetter Pneumatic Hazmat Container is now operational.

Do not inflate outer frame! The valve is only for air compensation when the container is upright or folded.



4.2 Pumping off the collected fluid

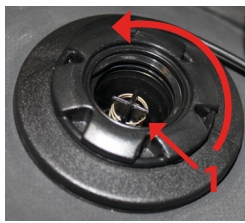
To pump off the collected fluid, use a commercially available immersion pump (comply with the resistance), e.g. item no.: 1520041600 dewatering pump. For complete vacuum withdrawal, if necessary the suction nozzle (Item no.: 1700014701) can be used in combination with a Vetter aspirator.

4.3 Deflation

The deflation of the Pneumatic Hazmat Container happens over the inflation connection. To deflate the Pneumatic Hazmat Container, close the compressed air cylinder and disconnect the pressure reducer. Screw the cap off of the filling connection in the counter-clockwise direction. The deflation valve is opened by pressing-in and turning the pin (1) counter clockwise.



Pin before locking



Pressing-in + turning



Valve open

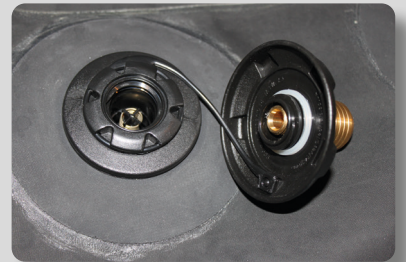
Fold the Pneumatic Hazmat Container s in the way, that the air can escape (Folding to the direction of the inflation connection). Residual emptying can be carried out with the aid of a vacuum adapter (Art. No.: 1600016301).

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, optimum 4 bar. Using the vacuum adapter the air is sucked out of the Hazmat container which can then be quickly packed without difficulty.

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

5. Cleaning

The Hazmat Container and its fittings are to be cleaned after use. Cleaning of the Hazmat Container is normally made using warm water (max. 30 °C) together with a soap solution and dried at room temperature.



6. Inspection

The collecting container and accessories must undergo a visual and function test by a specialist person before and after each operation, but at least once annually. For this purpose, inflate the collecting container to approx. 50% of the max. operating pressure (0.25 bar / 3.63 psi).

- ✓ The support frame and the PVC collapsible container are free of damage, such as: cracks, cuts, stabs, splitting, hardening or softening caused by chemical or thermal influences.
- ✓ If the pressure does not drop significantly within one hour, the collecting container is ready for use again.
- ✓ Visual and function test of the pressure reducer

In event of major damage or if you have any questions, please contact the manufacturer.

7. Storage

When stored and handled properly, the properties of PVC 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.

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

Protect the PVC 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 PVC 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 PVC products.

For more information please refer to DIN 7716.

8. Taking the product out of operation

In case the Pneumatic Hazmat Containers are taken out of operation then this must be disposed of as special waste. If required, the manufacturer can supply you with more detailed information regarding this.

9. Technical data

Type		PAB 3000	PAB 5000
Art.-No. (set)		1510000101	1510004001
Size (internal) Ø	cm	225	280
	inch	88	110
Size (external) Ø	cm	265	320
	inch	104	126
Height	cm	95	95
	inch	37	37
Operating pressure	bar	0.5	0.5
	psi	7.25	7.25
Test pressure	bar	0.65	0.65
	psi	9.4	9.4
Air requirement	l	705	843
	cu.ft.	25	30
Capacity	l	3,000	5,000
	cu.ft.	106	177
Weight	kg	33	44
	lbs	73	97

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10. Material and resistance list

10.1 Material list

Products	Material	Support material
Support frame collection container	CR	Polyester
Inner basin collection container	PVC	Polyester

10.2 Temperature resistance limits

Products	Cold resistance	Heat resistance, long term
Support frame collection container	-40 °C	+70 °C
Inner basin collection container	-25 °C	+100 °C

10.3 Resistance chart

Description of material	Material	
	CR	PVC
Acetone	o	-
Acetylene	+	o
Alum watery	+	+
Aluminum chloride	+	o
Aniline	-	-
ASTM-Oil 1	o	n.d.
Petrol	o	-
Benzene	-	-
Boric acid	+	+
Bromine (moist)	-	-
Butyric acid	-	o
Chlorine gas (moist)	-	-
Chorine, wet	o	n.d.
Diesel fuel	o	o
Iron chloride	+	+
Crude oil	o	o
Acetic acid	o	o
Fatty acid	+	n.d.
Formaldehyde	+	n.d.
Glucose	+	+
Heating oil	+	+
Potassium chloride	+	o
Calcium chloride	+	o
Calcium nitrate	+	n.d.
Carbon dioxide	+	+
Carbon monoxide	+	-
Copper sulphate	+	o
Adhesive	+	n.d.
Methyl chloride	-	o
Sea water	+	o
Mineral oil	+	+
Sodium carbonate	+	-
Ozone	+	n.d.
Paraffin	+	n.d.
Perchloric acid	o	n.d.
Phenol (watery)	-	-
Phosphoric acid (consentrated)	-	+
Mercury	+	o
Nitric acid (fuming)	-	+
Sulphur dioxide (dry)	-	o
Sulphuric acid (50%)	+	o
Nitrogen	+	n.d.
Carbon tetrachloride	-	o
Animal fat	+	n.d.
Toluene	-	-

+ resistant 0 conditionally resistant - non-resistant
n.d. no details

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

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