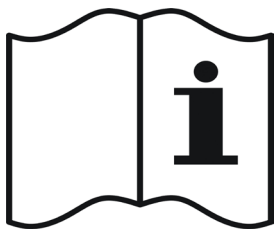
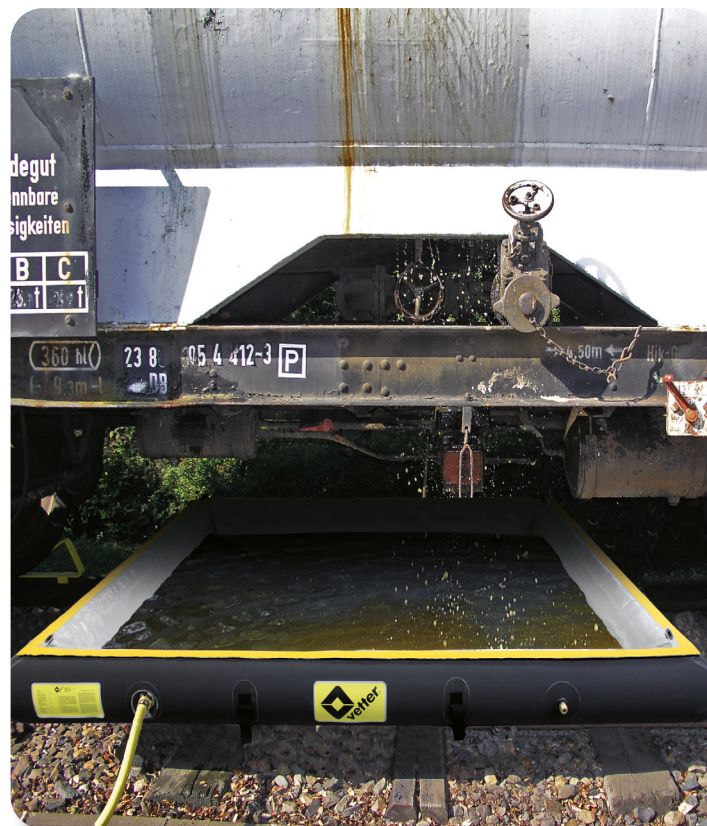


Translation of the original operating instructions

VETTER Collection tubs 0.3 bar / 4.35 psi



Keep in a safe place for future use



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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 Collecting Tub 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	Collection tub	Collectiion tub for trucks 10 m / 32 ft.	Collectiion tub for trucks 20 m / 64 ft.
1513000601	Pneumatic stiffening frame	1		
1513002901	Pneumatic stiffening frame		1	
1513003001	Pneumatic stiffening frame			1
1513000700	Hazmat tub with yellow top marking (PVC)	1		
1510006000	Collecting tub insert 10 m (32 ft.), Alcryn		1	
1510002200	Collecting tub insert 20 m (64 ft.), Alcryn			1
1530006901	Valise	1		
1600034000	Pressure regulator 200/300 bar (2,900/4,350 psi)		1	1
1513004300	Set repair material	1	1	1

2.2 Area of application

Leaking tanks, containers, bottles etc. are simply placed in the collecting tub. The object causing the danger is then secure.

The inside insertion collection tub can be exchanged using Velco fasteners. Other qualities of material can be supplied if required.

A decontamination capability is very quickly available in combination with the Vetter shower.

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 Collecting Tub 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 Collecting Tub.

3. Preparing the product for use

3.1 Preparations for operation

Only perfectly working collecting tubs are to be used having original Vetter inflation fittings. Before being used, the chemical resistance of the collecting tub is to be tested against the liquid or substance to be collected.

4. Operating Instructions

Lay out the collection tub at the required location. The ground area must be free of any sharp-edged or pointed objects! The collection tubs 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 collection tub. 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 collection tub coupling and the blower.

Start the blower and fill the collection tub until the maximum permitted operating pressure. The collection tub 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. To do this, switch off the blower fan, separate the filling hose from the fill connection and re-secure the cap (by turning clockwise).

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 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.



eg. Tent blower 0.14-0.4 bar 230 V
(Art. no. 1523017700)



Open the pressure regulator and start inflation. The pneumatic collection tubs 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 valve of the compressed air cylinder (5) for this purpose. Now the filling hose can be separated from the filling connection

The Collecting tub is now ready for use.

4.3 Application of the pneumatic collecting tub for trucks

Connect the inflation device as described before. Lay out the deflated truck collecting tub on even, smooth ground.

Remember! Sharp edged foreign bodies beneath the collecting awning can cause damage when driven over by the truck!



Drive the defective truck onto the collecting tub.

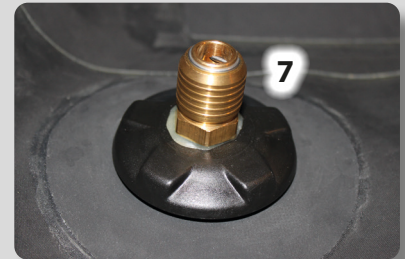
The walls of the pneumatic collecting tub must remain free and must not be loaded in any way!

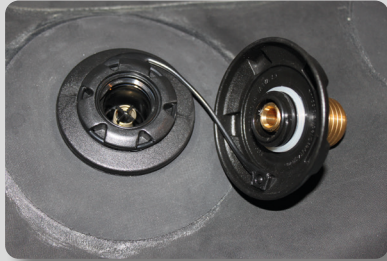


Open the pressure regulator and start inflation. Close the hand valve when the operating pressure is reached.

4.4 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 withdra-





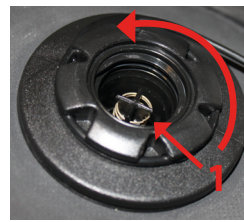
wal, if necessary the suction nozzle (Item no.: 1700014701) can be used in combination with a Vetter aspirator.

4.5 Deflating and Packing

The deflation of the support frame happens over the inflation connection. To deflate the tub, close the air source (compressed air cylinder, etc.) 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 collecting tub 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.

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 collecting tub and its fittings are to be cleaned after use. Cleaning of the collecting tub is normally made using warm water (max. 30°C) together with a soap solution and dried at room temperature. Store in cool dry place and avoid sun exposure.

6. Inspections

The collecting tub 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.

- ✓ The support frame and the collecting tub insert 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 collection tubs 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	Pneumatic Decontamination and Hazmat Tub		Pneumatic Decontamination and Hazmat Tub	
			10 m (32 ft.)	20 m (64 ft.)
Item No. (set)		1513 0005 01	1513 0032 01	1513 0031 01
Internal size	m	1.9 x 1.9	10 x 3	20 x 3
	inch	75 x 75	394 x 118	787 x 118
External size	m	2.5 x 2.5	10.6 x 3.6	20.6 x 3.6
	inch	98 x 98	417 x 142	811 x 142
Height	cm	20	30	30
	inch	8	12	12
Working pressure	bar	0.3	0.3	0.3
	psi	4.35	4.35	4.35
Test pressure	bar	0.39	0.39	0.39
	psi	5.7	5.7	5.7
Air requirement at 0.3 bar (4.35 psi)	l	404	2,717	4,810
	cu. ft.	14	96	170
Capacity	l	720	9,000	18,000
	cu. ft.	25	318	636
Folded size (L x W x H)	cm	140 x 30	110 x 85 x 40	110 x 85 x 85
	inch	55 x 12	43 x 33 x 18	43 x 33 x 33
Weight	kg	17	85	170
	lbs	37	187	375

All rights reserved for technical changes within the scope of product improvement.

10. Special sizes

If required, the pneumatic collecting tubs are also supplied in other sizes. For an increase in volumetric capacity there are collecting tubs available with double sided bolsters if required by the customer.

11. Material and resistance list

11.1 Material list

Products	Material	Support material
Hazmat tub	PVC	Polyester
Collecting tub insert	Alcryn	Polyester

11.2 Temperature resistance limits

Products	Cold resistance	Heat resistance, long term
Inner basin PVC	-25 °C	+100 °C
Inner basin Alcryn	-25 °C	+70 °C

11.3 Resistance charts

Description of material	Material	
	PVC	Alcryn
Acetone	-	-
Acetylene	o	n.d.
Alum, hydrous	+	n.d.
Aluminium chloride	o	n.d.
Aniline	-	n.d.
ASTM oil 1	n.d.	+
ASTM oil 2	n.d.	+
ASTM oil 3	n.d.	+
Benzene	-	o
Benzene	-	n.d.
Boric acid	+	n.d.
Bromine (moist)	-	n.d.
Butanoic acid	o	n.d.
Chlorine gas (moist)	-	n.d.
Chlorine (wet)	n.d.	n.d.
Diesel fuel	o	+
Iron chloride	+	n.d.
Mineral oil	o	n.d.
Acetic acid	o	n.d.
Acetic acid (10 %)	n.d.	+
Ethyl alcohol	n.d.	+
Ethylene glycol	n.d.	+
Ethyl acetate	n.d.	-
Fatty acids	n.d.	n.d.
Formaldehyde	n.d.	n.d.
Transmission oil	n.d.	+
Glucose	+	n.d.
Heating oil	+	n.d.
Isopropyl alcohol	n.d.	+
Potassium chloride	o	n.d.
Calcium chloride	o	n.d.
Calcium nitrate	n.d.	n.d.
Carbon dioxide	+	n.d.

Description of material	Material	
	PVC	Alcryn
Carbon monoxide	-	n.d.
Cupric sulphate	o	n.d.
Glue	n.d.	n.d.
Ocean water	o	+
Methyl alcohol	n.d.	+
Methyl chloride	o	n.d.
Mineral oils	+	n.d.
Methylene chloride	n.d.	-
Sodium chloride solution (20 %)	n.d.	+
Sodium hydroxide (2 % sodium lye)	n.d.	+
Sodium carbonate	-	n.d.
Ozone	n.d.	+
Paraffin	n.d.	n.d.
Perchloric acid	n.d.	n.d.
Phenol (aqueous)	-	n.d.
Phosphoric acid (concentrated)	+	n.d.
Mercury	o	n.d.
SAE low - 40 oil	n.d.	+
Nitric acid (fuming)	+	n.d.
Nitric acid (15 %)	n.d.	+
Hydrochloric acid (10 %)	n.d.	+
Lubricating oil	n.d.	+
Sulphur dioxide (dry)	o	n.d.
Sulphuric acid (15 %)	n.d.	+
Sulphuric acid (50%)	o	n.d.
Silicone lubricating grease	n.d.	+
Nitrogen	n.d.	+
Turpentine oil	n.d.	o
Tetrachloromethane	o	-
Animal fats	n.d.	+
Toluene	-	-

+ resistant 0 conditionally resistant - not resistant n. d. no details

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