



Vetter: Hazardous Material Program

PROTECTION FOR PEOPLE AND THE ENVIRONMENT

2



Other Vetter product catalogues being prepared:

Vetter: Pneumatic Tents

Vetter: Pipe Sealing and Testing Bags

Vetter: Industry

Vetter: Aircraft Recovery

Vetter: Mobile Inspection Service

CONTENTS

Leak Sealing Program

- High-Pressure Leak Sealing System	2	Leak Sealing Program
- Leak Sealing Bags	4	
- Mini Leak Sealing Bags	10	
- Flange Drainage Bag	12	
- Vacuum Leak Sealing Bags	14	
- Leak Sealing Lance	16	
- Leak Sealing Bandages and Pneumatic Lifting Sleeve	18	
- Pipe Sealing Sleeves and Leak Sealing Paste	20	
- System accessories	22	

Gully Sealing Bags

- Universal Gully Sealing Bags	24	Gully Sealing Bags
- Compact Gully Sealing Bags	24	

Pneumatic Collection Containers and Tanks

- Pneumatic Collection Containers	27	Pneumatic Collection Containers and Tanks
- Pneumatic Collection Tanks	27	
- System accessories	28	

Oil Barrier Set

	29	Oil Barrier Set
--	----	-----------------

Hazardous Material Program, GFRP

- Hazardous Material Container	30	Hazardous Material Program, GFRP
- Hazardous Material Scoop	30	
- Hazardous Material Gutter	30	

Resistance charts and material charts

	32	Resistance charts and material charts
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Vetter High-Pressure Leak Sealing System

NEW



When fire services have to deal with hazardous materials in companies producing and processing materials which are dangerous for water and the environment, it is very often the case that existing materials and equipment reach their limits with respect to sealing.

Sealing of leaks on pressurized pipelines, structural parts and fittings is not possible, or very difficult, using standard Leak Sealing Bags.

A sealing hose system was developed in cooperation with the Industrial Fire Brigade of Henkel KGaA Düsseldorf. This system enables sealing of positions which are difficult to access and which have operating pressures of up to a maximum of 10 bar (145 psi).

It has very good adaption characteristics to the various pipe diameters due to the different hose lengths.

There are two set variations supplied: Premium Set and Base Set. Both sets are contained in a practical transport case and are easy to use.



Advantages

- Universally applicable
- Easy to use
- For back pressures up to max. 9 bar (130 psi/90 m water head)
- Especially applicable on T-pieces, pipe bends or difficult connection joints
- Supplied as Base Set and Premium Set
- With additional sealing plates made of different materials (Nitrile Butadiene Rubber, Ethylen Propylen Dien Rubber, Fluoropolymer Rubber) – increased resistance

Safety

- Pressure release valve between pressure regulator and inflation hose
- Metal parts on sealing hoses are made of stainless steel
- 1.6 times the test pressure to the maximum operating pressure
- Continuous electrostatic conductivity of the sealing hoses (DIN ISO 8031/8.97)
- Ground connection on both sides on sealing hose couplings

Technical data for the High-Pressure Leak Sealing System

Art. No.	Unit	Sealing hose 1,500 mm (59 in.)	Sealing hose 2,500 mm (98 in.)	Sealing hose 3,500 mm (138 in.)
1500015900				
Max operating pressure	bar psi	10.0 145.0	10.0 145.0	10.0 145.0
Test pressure	bar psi	16.00 232.0	16.00 232.0	16.00 232.0
Max back pressure	bar psi	9.0 130.5	9.0 130.5	9.0 130.5
Nominal content	l cu. ft.	0.74 0.03	1.33 0.05	1.86 0.07
Air requirement at 10.0 bar (145 psi)	l cu. ft.	8.14 0.29	14.63 0.52	20.40 0.72
Approximate weight*	kg lbs	1.14 2.51	1.38 3.04	1.77 3.90

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* Weight for Premium Set: 10.5 kg/23.15 lbs
Weight for Base Set: 6.0 kg/13.23 lbs



Art. No. 1500019000 – Base Set



Art. No. 1500015800/1500019100 – Premium Set

High-Pressure Leak Sealing System, consisting of:

Art. No.	Description	Art. No. 1500019000 Base Set	Art. No. 1500015800 Premium Set	Art. No. 1500019100 Premium Set USA version
1500015900	Sealing hose, 1.5 m (59 in.)		1	1
1500016000	Sealing hose, 2.5 m (98 in.)	1	1	1
1500016100	Sealing hose, 3.5 m (138 in.)		1	1
1500016200	Inflation valve for sealing hose	1	1	1
1500016301	Inflation hose for sealing hose	1	1	1
1600000200	Pressure regulator 200/300 bar (3,000/4,500 psi)		1	
1600005301	Pressure regulator 4500 psi			1
1500016400	Sealing plate, Nitrile Butadiene Rubber, 150 x 100 mm (6 x 4 in.)		1	1
1500016500	Sealing plate, Ethylen Propylen Dien Rubber, 150 x 100 mm (6 x 4 in.)		1	1
1500017900	Sealing plate, Fluoropolymer Rubber, 150 x 100 mm (6 x 4 in.)	1	1	1
1500018700	Transport case for Premium Set 600 x 400 x 135 mm (24 x 16 x 5.5 in.)		1	1
1500018900	Transport case for Base Set 400 x 300 x 183 mm (16 x 12 x 7 in.)	1		
1500019400	Air escape valve for High-Pressure Leak Sealing System	1	1	1

Vetter Leak Sealing Bags



LEAK SEALING MADE EASY!

The range of Vetter Leak Sealing Bags has been field-proven in practise throughout the world with respect to leaks on tanks, barrels, pipes, tank and container trucks. The consistent further development of these successful versions has improved them even more therefore achieving increased ease in application.

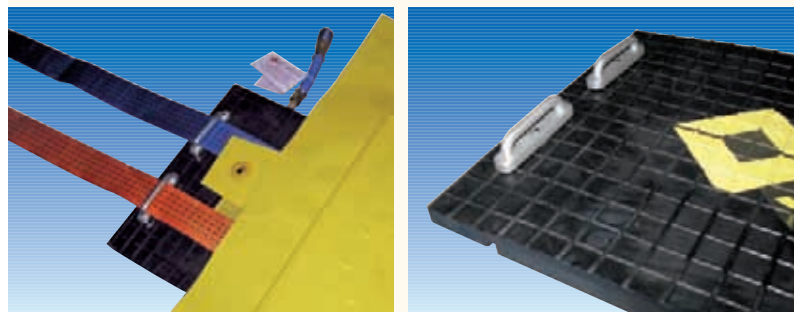
For example, there is the Vetter Loop Leak Sealing Bag, an innovative version compared to the present versions with slits or swivel eyes to fix the fastening belts.

In order to seal leaks quicker, it can remain in the transport protection bag. The low air requirement enables a foot pump, contained in the set, to be used and has a safety valve and manometer. This means that it is completely independent of any other air supplies.

Leak Sealing Bag, Type LD 50/30 B with guiding loops

NEW

- Quickly operational because the bag is already in the transport and acid protection bag
- Easy attachment of belts
- Moveable loops



Advantages of the Leak Sealing Bags

- Patented, reinforced, low expansion cover plate – sealing pressure is therefore concentrated on the sealing area
- The metal plates at both ends serve as tension distributors over the complete bag area
- Low air requirement
- Flat design, therefore it can be used in narrow limited spaces

Safety factors of the Leak Sealing Bags

- Smooth sealing area, rippled surface – for easy location of areas in the dark
- Anti-static and self-extinguishing characteristics
- Lashing strap enables tension release to be made in small steps when loosening the belt

Art. No. 1500015701 – Set LD 50/30 B



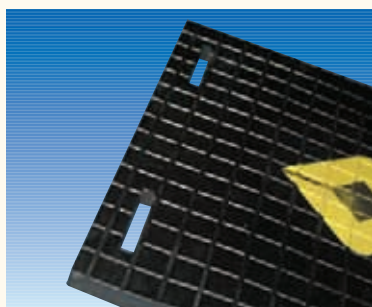
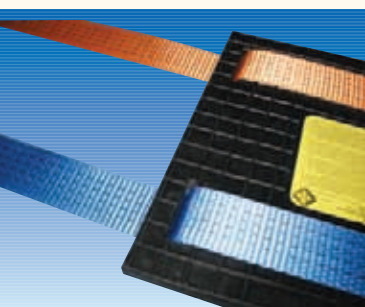


Leak Sealing Bag Type LD 50/30 S with belt guide slits

- No danger of spark generation due to tension belts being fed through guide slits
- The ratchet belts press the bag onto the leak
- Flat design

Leak Sealing Bag Type LD 50/30 W with swivel eyes

- It is possible to tension the belt at all angles due to the large movement area of the swivel eyes
- The bag is tensioned onto the leak
- Can be used in narrow confined spaces



Art. No. 1500005301 – Set LD 50/30 S



Art. No. 1500000102 – Set LD 50/30 W





Leak Sealing Bag Type LD 50/30 S, 10 bar (145 psi) with guide belt slits

- For thick walled containers up to an inside pressure of 9 bar (130 psi/90 m water head)
- Tear-proof belt, tensile strength of 5,000 kg (11,035 lbs)
- Flat design – height is only 2 cm (0.8 inch)
- Low weight

NOTE:

Not to be used on plastic containers, only on metal containers which permit a load from 10 kg/cm² (22 lbs/0.155 in²)

Leak Sealing Bag Type LD 110/60 S XL with guide belt slits

NEW

- Easy sealing of leaks even on large leakages due to a sealing area of 86 x 57 cm (34 x 23 in.). This therefore increases the application possibilities
- Tear-proof belt

Art. No. 1500011101 – Set LD 50/30 S, 10,0 bar (145 psi)



Art. No. 1500018301 – Set LD 110/60 S XL





Leak Drainage Bag Type DLD 50/30

- Simultaneously fulfils 2 functions:
seals the leak and enables controlled draining of the liquid through the drainage chamber
- Inflatable sealing area around the drainage chamber
- Can be inflated with a hand pump or foot pump owing to the low air requirement (2.8 l/0.1 cu. ft.)
- Coupling on the bag made of stainless steel
- Blocking valve contained in the set is also made of stainless steel

Art. No. 1500005901 – Set DLD 50/30



Sealing Bags Sets, consisting of:

Art. No.	Description	Art. No. 1500015701 Set LD 50/30 B	Art. No. 1500005301 Set LD 50/30 S	Art. No. 1500000102 Set LD 50/30 W
1500005101	Leak sealing Bag, Type LD 50/30 W 1.5 bar (21.75 psi)			1
1500005400	Leak sealing Bag, Type LD 50/30 S 1.5 bar (21.75 psi)		1	
1500015100	Leak sealing Bag, Type LD 50/30 B 1.5 bar (21.75 psi)	1		
0150002800	Foot air pump with safety valve 1.5 bar (21.75 psi)	1	1	1
0150000101	Inflation hose 1.5 bar, 10 m, blue (21.75 psi, 32 ft.)	1	1	1
1500000501	Ratchet belt, 2 m long, orange (6.4 ft.)			1
1500000601	Ratchet belt, 2 m long, blue (6.4 ft.)			1
1500000701	Attachment belt, 5 m long, orange (16.4 ft.)			1
1500000801	Attachment belt, 5 m long, blue (16.4 ft.)			1
1500005701	Tensioning and extension belt, 10 m long, orange, with ratchet (32 ft.)	2	2	1
1500005801	Tensioning and extension belt, 10 m long, blue, with ratchet (32 ft.)	2	2	1
1500001700	Sealing plate 600 x 300 x 30 mm (24 x 12 x 1.2 in.)	2	2	2
1500001800	Sealing plate 1000 x 300 x 30 mm (40 x 12 x 1.2 in.)	1	1	1
1500001900	Acid protection cover for LD 50/30 W, PVC, yellow			1
1500005500	Acid protection cover for LD 50/30 S, PVC, yellow		1	
1500015500	Acid protection cover for LD 50/30 B, PVC, yellow	1		
1500020600	Transport case, 800 x 600 x 220 mm (32 x 24 x 9 in.)	1		
1500020700	Transport case, 800 x 600 x 220 mm (32 x 24 x 9 in.)		1	
1500020800	Transport case, 800 x 600 x 220 mm (32 x 24 x 9 in.)			1

Technical data for Leak Sealing Bags

	Unit	LD 50/30 B	LD 50/30 S	LD 50/30 W
Art. No.		1500015100	1500005400	1500005101
Dimensions (L x W x H)	cm	61.5 x 30 x 2	61.5 x 30 x 2	61.5 x 30 x 2
	inch	24 x 12 x 0.8	24 x 12 x 0.8	24 x 12 x 0.8
Sealing area	cm	50 x 30	50 x 30	50 x 30
	inch	20 x 12	20 x 12	20 x 12
Max. operating pressure	bar	1.5	1.5	1.5
	psi	21.75	21.75	21.75
Test pressure	bar	1.95	1.95	1.95
	psi	28.50	28.50	28.50
Sealing pressure	m WH	14	14	14
	psi	20.3	20.3	20.3
Nominal content	l	7.0	7.0	7.0
	cu. ft.	0.25	0.25	0.25
Air requirement at 1.5 bar (21.75 psi)	l	17.5	17.5	17.5
	cu. ft.	0.62	0.62	0.62
Weight of individual bag	kg	4.9	4.3	6.9
	lbs	10.8	9.5	15.2
Weight of set	kg	28.0	25.0	28.0
	lbs	61.7	55.1	61.7

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Leak Sealing Bags Sets, consisting of:

Art. No.	Description	Art. No. 1500011201 Set LD 50/30 S, 10.0 bar (145 psi)	Art. No. 1500018301 Set LD 110/60 S XL	Art. No. 1500005901 Set DLD 50/30
1500011201	Leak Sealing Bag, Type LD 50/30 S 10 bar (145 psi)	1		
1500014500	Leak Sealing Bag, Type LD 110/60 S, XL 1.5 bar (21.75 psi)		1	
1500006000	Leak Drainage Bag, Type DLD 50/30 1.5 bar (21.75 psi)			1
0150002800	Foot pump with safety valve 1.5 bar (21.75 psi)			1
0150002101	Single controller, 1.5 bar, fitting (21.75 psi)		1	
0150000101	Inflation hose, 1.5 bar, 10 m, blue (21.75 psi/32 ft.)		1	1
1000000201	Single controller, 10 bar, fitting (145 psi)	1		
1000000401	Inflation hose, 10 bar, 10 m, green (145 psi/32 ft.)	1		
1500005701	Tensioning and extension belt, 10 m, orange, with ratchet (32 ft.)	1	3	2
1500005801	Tensioning and extension belt, 10 m, blue, with ratchet (32 ft.)	1	3	2
1500001700	Sealing plate 600 x 300 x 30 mm (24 x 12 x 1.2 in.)	1		
1500018400	Sealing plate 1000 x 500 x 30 mm (40 x 20 x 1.2 in.)		2	
1500005500	Acid protection cover for LD 50/30 S, PVC, yellow	1		
1500018100	Acid protection cover for LD 110/60 S, PVC, yellow		1	
1500006400	Blocking valve, Size D, stainless steel			1
1500007100	Acid outlet hose, 5 m (16.4 ft.), with D-suction coupling V4A			1
1500021400	Transport case, 800 x 600 x 120 mm (32 x 24 x 5 in.)	1		
1500021500	Transport case, 800 x 600 x 220 mm (32 x 24 x 9 in.)			1

Technical data for Leak Sealing Bags

Art. No.	Unit	LD 50/30 S 10.0 bar (145 psi)	LD 110/60 S XL	DLD 50/30
Dimensions (L x W x H)	cm	61.5 x 30 x 2	110 x 60 x 7	62 x 30 x 6
	inch	24 x 12 x 0.8	43 x 24 x 2.7	24 x 12 x 2.4
Sealing area	cm	50 x 30	86 x 57	50 x 30
	inch	20 x 12	34 x 22	20 x 12
Drainage space	cm			40 x 20 x 3.5
	inch			15.7 x 7.9 x 1.4
Maximum operating pressure	bar	10.0	1.5	1.5
	psi	145.00	21.75	21.75
Test pressure	bar	13.00	1.95	1.95
	psi	188.50	28.50	28.50
Sealing pressure	m WH	90	14	10
	psi	130.5	20.3	14.5
Nominal content	l	9.0	76.0	1.2
	cu. ft.	0.32	2.68	0.04
Air requirement	l	99.0	190.0	2.8
	cu. ft.	3.49	6.71	0.10
Weight of individual bag	kg	4.6	16.0	8.2
	lbs	10.1	35.3	18.1
Weight of set	kg	21.5	39.5	25.3
	lbs	47.4	87.1	55.8

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Vetter Mini Leak Sealing Bags

Vetter Mini Leak Sealing Bags are suitable for quick and reliable sealing of leaks on small drums, pipes, rolling hoop drums and containers from 10 cm to 90 cm (4 in. to 35 in.) diameter. Velcro fasteners on the metal-free tension belts enable easy use of the small leak plug. Just a few strokes of the foot pump are enough to reach the maximum operation pressure of 1.5 bar (21.75 psi).

The Mini Leak Sealing Bags are supplied in a handy transport case, 600 x 400 x 135 mm (24 x 16 x 5 in.) (refer to figure on the right).



Art. No. 1500009400 Set for Mini Leak Sealing Bags

Advantages

- Can be used on small drums with diameters from 10 cm (4 in.)
- Flat design – only 1.2 cm (0.5 in.)
- Low air requirement – 5 to 15 strokes of the foot pump are sufficient

Safety

- Brief operating instructions are on the bag
- Anti-static and self-extinguishing material
- High resistance against chemicals



Set Mini Leak Sealing Bags, consisting of:

Art. No.	Description	Art. No. 1500009400 Set for Mini Leak Sealing Bag
1500008300	Mini Leak Sealing Bag, Type LDK 10/10	1
1500008500	Mini Leak Sealing Bag, Type LDK 10/25	1
1500008600	Mini Leak Sealing Bag, Type LDK 20/20	1
0150002800	Foot pump with safety valve, 1.5 bar (21.75 psi)	1
1500009000	Tension belt, blue, 150 cm long (6 in.)	2
1500009200	Tension belt, blue, 300 cm long (12 in.)	3
1500008800	Transport case for Mini Leak Sealing Bag	1

Technical data for Mini Leak Sealing Bags

	Unit	LDK 10/10	LDK 10/25	LDK 20/20
Art. No.		1500008300	1500008500	1500008600
Dimensions (LxWxH*)	cm	15 x 15 x 1.2*	15 x 31 x 1.2*	25 x 25 x 1.2*
	inch	6 x 6 x 0.5	6 x 12 x 0.5	10 x 10 x 0.5
Sealing area	cm	9.5 x 9.5	9.5 x 25.5	19.5 x 19.5
	inch	3.7 x 3.7	3.7 x 10	7.7 x 7.7
Maximum operating pressure	bar	1.5	1.5	1.5
	psi	21.75	21.75	21.75
Test pressure	bar	1.95	1.95	1.95
	psi	28.50	28.50	28.50
Sealing pressure	m WH	14	14	14
	psi	20.3	20.3	20.3
Nominal content	l	0.3	0.5	2.0
	cu. ft.	0.01	0.02	0.07
Air requirement at 1.5 bar (21.75 psi)	l	0.8	1.3	5.0
	cu. ft.	0.03	0.05	0.18
Weight of individual bag	kg	0.5	0.8	1.1
	lbs	1.1	1.8	2.4

Weight of set: ca. 8.6 kg/19 lbs

* in the valve area + 6 mm (0.2 in.)

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Vetter Flange Drainage Bag

In cases of defects, leaks on flanges or pipe joints cannot always be sealed with normal leak sealing bags. Therefore flange drainage bags are positioned over the leak area so that the pneumatic sleeve fully encloses the flange and the pipe on both sides. The Flange Drainage Bag can be quickly closed using the gas-proof and liquid-proof zip fastener. The drainage space is created by inflating the sleeve. The hazardous material can be drained away without difficulty via the stainless steel ball valve and the acid outlet hose after the bag has been inflated.

The flexible gel plates, contained in the delivery package, can be fixed underneath the inflatable sleeve on the pipe and therefore correct any possible unevenness.

Further sizes are in preparation.



Art.-No. 1500019600/1500019900 Set for Flange Drainage Bag

Advantages

- 2 in 1: sealing the leakage and controlled drainage of the liquid
- Easy to apply

Safety

- 1.3 times the test pressure to the maximum operating pressure
- Acid outlet hose with stainless steel blocking valve



Set Flange Drainage Bags, consisting of:

Art. No.	Description	Art. No. 1500019600 Set DN 50	Art. No. 1500019900 Set DN 80
1500006600	Flange Drainage Bag DN 50, 1.5 bar (21.75 psi) incl. 4 gel plates	1	
1500019200	Flange Drainage Bag DN 80, 1.5 bar (21.75 psi) incl. 4 gel plates		1
0150000101	Inflation hose, 1.5 bar, 10 m, blue (21.75 psi/32 ft.)	1	1
0150002800	Foot pump with safety valve, 1.5 bar (21.75 psi)	1	1
1500007100	Acid outlet hose, 5 m (16.4 ft.), with D-suction coupling V4A	1	1
1500022600	Transport case 800 x 600 x 120 mm (32 x 24 x 5 in.)	1	
1500022700	Transport case 800 x 600 x 120 mm (32 x 24 x 5 in.)		1

Technical data of Flange Drainage Bags

	Unit	DN 50	DN 80
Art. No.		1500006600	1500019200
Outside diamensions	cm	Ø 21	Ø 21
	inch	Ø 8.3	Ø 8.3
Length	cm	90	90
	inch	35	35
Maximum operating pressure	bar	1.5	1.5
	psi	21.75	21.75
Test pressure	bar	1.95	1.95
	psi	28.5	28.5
Sealing pressure	m WH	10	10
	psi	14.5	14.5
Nominal content	l	0.5	0.5
	cu. ft.	0.02	0.02
Air requirement at 1.5 bar (21.75 psi)	l	1.25	1.25
	cu. ft.	0.05	0.05
Weight of individual bag	kg	3.1	3.1
	lbs	6.8	6.8
Weight of set	kg	15	15
	lbs	33	33

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Vetter Vacuum Leak Sealing Bags



Vacuum Leak Drainage Bag Type DLD 50 VAC

LEAK SEALING WITHOUT TENSION BELTS

on clean areas having a slight curvature and smooth structure
– The Vacuum leak sealer does not have cumbersome belt guides. They seal the leak by vacuum suction power. The sealing bags are supplied in two versions:

Leak sealing by the LD 50/30 VAC is made by flexible suction cups.

Two problems are solved with the round Vacuum Leak Drainage Bag: the leak is sealed and the liquid drained away via the drainage chamber.
Both bags are used on tanker vehicles, large containers and storage tanks.



Vacuum Leak Drainage Bag Type LD 50/30 VAC

Advantages – DLD 50 VAC

- Sealing and controlled drainage of hazardous material
- The round shape produces the best flow results
- Stainless steel connections
- Can also be used for large containers

Safety – DLD 50 VAC

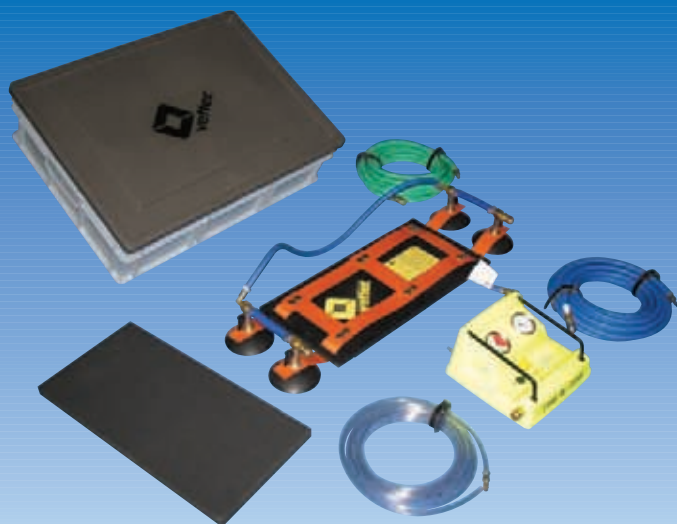
- Ventilation and drainage hose to drain residual liquid out of the vacuum area into a container
- Manometer for reading the vacuum value

Advantages – LD 50/30 VAC

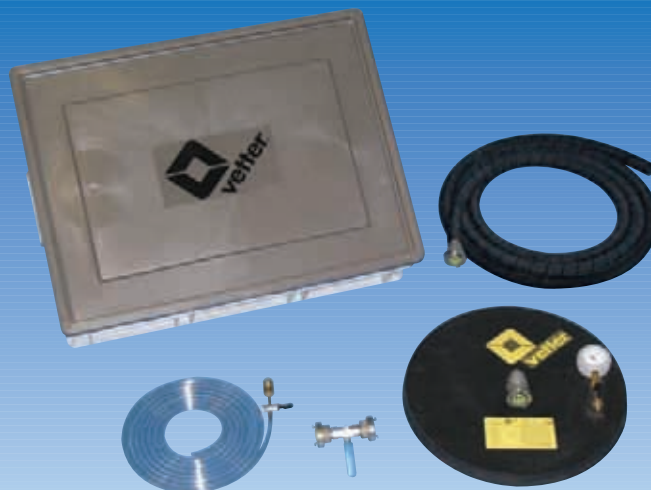
- No cumbersome belt guides
- Individual flexible suction cups
- Anti-static and self-extinguishing material characteristics

Safety – LD 50/30 VAC

- Individual controllable suction cups
- Deadman controller
- High resistance against chemicals



Art. No. 1500011401 – LD 50/30 VAC



Art. No. 1500019700 – DLD 50 VAC

Set Vacuum Sealing Bags, consisting of:

Art. No.	Description	Art. No. 1500011401 Set LD 50/30 VAC	Art. No. 1500019700 Set DLD 50 VAC
1500011500	Vacuum Leak Sealing Bag, Type LD 50/30 VAC, 1.5 bar (21.75 psi)	1	
1500012300	Controller for LD 50/30 VAC, deadman	1	
0150000101	Inflation hose, 1.5 bar, 10 m, blue (21.75 psi/32 ft.)	1	
1600013401	Air supply hose, 10 m, green (32 ft.)	1	
1500001700	Sealing plate, 600 x 300 x 30 mm (24 x 12 x 1.2 in.)	1	
1500013100	Ventilation and drainage hose, 5 m (16.4 ft.), transparent	1	
1500007501	Vacuum Leak Drainage Bag, Type DLD 50 VAC		1
1500007100	Acid outlet hose, 5 m (16.4 ft.), with D-suction coupling V4A		1
1500006400	Blocking valve, Size D, stainless steel		1
1500022100	Transport case, 800 x 600 x 120 mm (32 x 24 x 5 in.)		1
1500022000	Transport case, 800 x 600 x 220 mm (32 x 24 x 9 in.)	1	

Technical data for Vacuum Leak Sealing Bags

	Unit	LD 50/30 VAC	DLD 50 VAC
Art. No.		1500011500	1500007501
Size	cm inch		Ø 50 Ø 19.7
Dimensions (L x W x H)	cm inch	95 x 32 x 16 37 x 13 x 6	
Drainage space	cm inch		Ø 20 Ø 7.9
Size of sealing area	cm inch	50 x 30 20 x 12	
Maximum operating pressure for vacuum generator	bar psi	5.0 72.5	6.0 87
Vacuum	bar psi	0.80 11.60	0.45 6.53
Maximum operating pressure for Leak Sealing Bag	bar psi	1.5 21.75	
Nominal content	l cu. ft.	7 0.25	
Air requirement	l/min. cu. ft./min.	25 0.88	200 7.00
Weight of individual bag	kg lbs	7 15.44	5.2 11.5
Weight of set	kg lbs	17.2 37.9	12.7 28.0

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Vetter Leak Sealing Lance

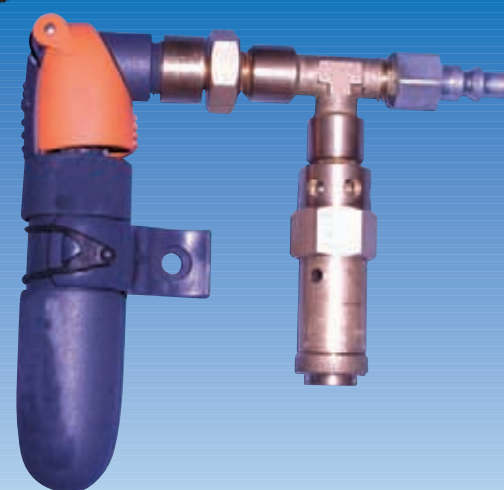
Designed for quick, one-man leak sealing on storage tanks and tanker vehicles. Cracks from 15 mm to 60 mm (0.6 in. to 2.4 in.) and holes from 30 mm to 90 mm (1.2 in. to 3.5 in.) can be quickly sealed with wedge bags and cone bags and therefore avoid leakage of hazardous liquids.

The Leak Sealing Lance set is supplied in two versions: inflation using a foot pump and rapid inflation of the wedge bags and cone bags with the **new CO₂ inflator**. Even existing sets using a foot pump can be modified to the inflator version. The required cartridges for the CO₂ inflator are supplied as accessories.

CO₂ cartridges cannot be sent by air freight.



NEW



Advantages

- One-man operation
- Rapid sealing
- Very low air requirement max. 7.8 l (0.3 cu.ft.)
- Selectable air inflation: foot pump or CO₂ Inflator
- Low weight of sets: 5 kg and 6.8 kg (11 lbs and 15 lbs)

Safety

- Anti-slip surface on bag
- Due to the lance length the safety distance to the area of danger is guaranteed at 140 cm (55 in.)
- A blocking valve avoids pressure drops and air losses when uncoupling

Art. No. 1500019500 – Set with CO₂-Inflator

Art. No. 1500009600 – Set with foot pump

Set Leak Sealing Lances, consisting of:

Art. No.	Description	Art. No. 1500019500 Set with CO ₂ -Inflator	Art. No. 1500009600 Set with foot pump
1500009800	Wedge bag 6, 1.5 bar (21.75 psi)	1	1
1500010000	Wedge bag 8, 1.5 bar (21.75 psi)	1	1
1500010100	Wedge bag 11, 1.5 bar (21.75 psi)	1	1
1500010200	Cone bag 7, 1.5 bar (21.75 psi)	1	1
1500010300	PVC hollow rod (Lance 35 cm long) (14 in.)	3	3
1500010500	PVC hollow rod with chain and nipple	1	1
1500010600	Blocking valve for Leak Sealing Lance	1	1
0150002800	Foot air pump with safety valve, 1.5 bar (21.75 psi)		1
0150003600	CO ₂ Inflator (without CO ₂ cartridge)	1	
1500010800	Transport case 400 x 300 x 183 mm (16 x 12 x 7 in.)	1	1
1500011000	Liquid drop protector for Leak Sealing Lance	1	1

Technical data for Leak Sealing Lance

	Unit	Wedge Bag 6	Wedge Bag 8	Wedge Bag 11	Cone Bag 7
Art. No.		1500009800	1500010000	1500010100	1500010200
Dimensions (L x W x H*)	cm	23 x 6 x 5	23 x 8 x 5.5	23 x 11 x 7	23 x Ø 7
	inch	9 x 2.4 x 2	9 x 3 x 2.2	9 x 4.3 x 2.8	9 x Ø 2.8
Maximum operating pressure	bar	1.5	1.5	1.5	1.5
	psi	21.75	21.75	21.75	21.75
Test pressure	bar	1.95	1.95	1.95	1.95
	psi	28.5	28.5	28.5	28.5
Nominal content	l	0.6	1.4	3.1	1.2
	cu. ft.	0.02	0.05	0.11	0.04
Air requirement at 1.5 bar (21.75 psi)	l	1.5	3.5	7.8	3.0
	cu. ft.	0.05	0.12	0.28	0.11
Approximate weight	kg	0.2	0.3	0.42	0.2
	lbs	0.4	0.7	0.9	0.4

* in the area of the valve + 6 mm (0.2 in.)

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Vetter Leak Sealing Bandages, Lifting and Sealing Sleeve

LEAK SEALING BANDAGES

The quick and easy solution when sudden pipeline defects occur causing hazardous liquid to escape and therefore posing a dangerous threat to people and the environment.

Even large leaks are no difficulty any longer with the Leak Sealing Bandage XL. With the Leak Sealing Bandage LB 5-20 XL the area of application is considerably increased from a sealing area width of 19 cm to 38 cm (7.5 in. to 15 in.).

However, with bandages you are not only able to carry out leak sealing on pipes and round containers with diameters from 5 cm to 48 cm (2 in. to 19 in.) but also longitudinal cracks can be sealed by applying the bandage longitudinally and fixing it with a strip of timber and a ratchet belt.

Advantages

- Inflatable with foot pump
- Easy to use
- Sealing a pipe around the circumference
- Extensive area of application

Safety

- 1.3 times the test pressure to the maximum operating pressure
- Brief operating instructions on the bandages
- Anti-static and self-extinguishing characteristics



LIFTING AND SEALING SLEEVE

Two functions in one. With the pneumatic Lifting and Sealing Sleeve you are not only able to seal damaged roller hoop drums but you can also easily deposit them in safety drums for temporary storage.

Even with minimal storage space, you can lift up individual drums from their positions without any difficulty.



Advantages

- Large area distribution of pressure therefore no danger of any point damage as is the case with mechanical lifting devices
- Maximum operating pressure can be regulated up to 0.5 bar (7.25 psi)

Safety

- A controller (0.5 bar/7.25 psi) with safety valve avoids any unintentional over-inflation of the lifting sleeve



Technical data of
Leak Sealing Bandages
and the Pneumatic
Lifting Sleeve

	Unit	LB 5-20	LB 20-48	LB 5-20 XL	PM 600
Art. No.		1500013900	1500014000	1500018200	1110001100
Dimensions	cm	98 x 21	177 x 21	100 x 40	Ø 62/40 high
	inch	38.6 x 8.3	69.9 x 8.3	39.4 x 15.7	Ø 24/15.7 high
Sealing area	cm	19 wide	19 wide	38 wide	-
	inch	7.5 wide	7.5 wide	15 wide	-
Maximum operating pressure	bar	1.5	1.5	1.5	0.5
	psi	21.75	21.75	21.75	7.25
Test pressure	bar	1.95	1.95	1.95	0.65
	psi	28.5	28.5	28.5	9.40
Sealing pressure	m WH	14	14	14	-
	psi	20.30	20.30	20.30	-
Nominal content	l	9.0	16.0	30.0	23.8
	cu. ft.	0.30	0.60	1.00	0.84
Air requirement	l	22.5	40.0	75.0	35.7
	cu. ft.	0.80	1.40	2.70	1.26
Load capacity at 0.5 bar (7.25 psi)	kg	-	-	-	400
	lbs	-	-	-	882
Weight of individual bags	kg	2.3	4.0	5.5	5.6
	lbs	5.0	8.8	12.3	12.3

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Vetter Pipe Sealing Sleeves and Leak Sealing Paste



PIPE SEALING SLEEVES

Small cracks and holes in the pipeline system can cause considerable damage where there are aggressive liquid leaks. The frequent answer to this problem is the Vetter Pipe Sealing Sleeve. They enable mechanical sealing to be made on pressurized pipelines up to 16 bar (232 psi). Even leaks in the smallest pipe nominal size of 1/2" can be sealed without difficulty.

This is how it works:

- position the inside of the sealing next to the leak
- place the sealing sleeve over it
- adjust the screws so that the pipe sealing sleeve can be moved over the leak
- tighten the Allan screws
- problem solved



Art. No. 1500002200 – Set Pipe Sealing Sleeve

Advantages

- Long duration heat resistance up to 80° C (176° F)
- Internal Ethylen Propylen Dien Rubber sealing
- Packed in a practical transport case

Safety

- Suitable for permanent use
- Can be used up to a counter-pressure of 16 bar (water) (232 psi)

Set Pipe Sealing Sleeves, consisting of:

Art. No.	Description	Art. No. 1500002200 Set for Pipe Sealing Sleeve
1500002300	Pipe Sealing Sleeve 1/2"	1
1500002400	Pipe Sealing Sleeve 3/4"	1
1500002500	Pipe Sealing Sleeve 1"	1
1500002600	Pipe Sealing Sleeve 1 1/4"	1
1500002700	Pipe Sealing Sleeve 1 1/2"	1
1500002800	Pipe Sealing Sleeve 2"	1
1500002900	Pipe Sealing Sleeve 2 1/2"	1
1500003600	Transport case 400 x 300 x 183 mm (16 x 12 x 7 in.)	1
1500003000	Pin wrench, hex socket	1
1500003100	Allan key	1
1500003200	Pipe Sealing Sleeve 3"	1
1500003300	Pipe Sealing Sleeve 4"	1

LEAK SEALING PASTE

The ideal first aid package for sealing leaks in difficult positions on the smallest valve sockets and flanges of pipeline systems in which chemical or petrochemical products flow, e.g. oil, petrol, hydrocarbons, alkali solutions and acids, solvents and cleaning agents.

This paste cannot be used with water leaks because it is water soluble.

The set for the Leak Sealing Paste consists of eight 500 ml (0.02 cu.ft.) tins.



Advantages

- Quick and easy to apply
- Withstands a counter-pressure up to 0.4 bar (5.8 psi)
- Can be used on rusty, greasy or dirty surfaces

Safety

- Non-poisonous
- Non-inflammable



Art. No. 1500004600 – Leak Sealing Paste Set

Technical data for the Pipe Sealing Sleeves

	Unit	1/2"	3/4"	1"	1 1/4"	1 1/2"
Art. No.		1500002300	1500002400	1500002500	1500002600	1500002700
Nominal size	mm	21.3	26.9	33.7	42.4	48.3
	inch	0.84	1.06	1.33	1.67	1.90
Dimensions (L x W x H)	mm	140 x 82 x 40	140 x 88 x 46	140 x 95 x 49	140 x 107 x 52	140 x 114 x 52
	inch	5.5 x 3.2 x 1.6	5.5 x 3.5 x 1.8	5.5 x 3.7 x 1.9	5.5 x 4.2 x 2	5.5 x 4.5 x 2
Weight	kg	0.93	1.10	1.20	1.38	1.50
	lbs	2.0	2.4	2.6	3.0	3.3

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	Unit	2"	2 1/2"	3"	4"
Art. No.		1500002800	1500002900	1500003200	1500003300
Nominal size	mm	60.3	76.1	88.9	114.3
	inch	2.37	3.00	3.50	4.50
Dimensions (L x W x H)	mm	140 x 127 x 81	140 x 146 x 105	150 x 163 x 116	160 x 214 x 142
	inch	5.5 x 5 x 3.2	5.5 x 5.7 x 4	6 x 6.4 x 4.6	6.3 x 8.4 x 5.6
Weight	kg	1.73	2.55	3.35	5.70
	lbs	3.8	5.6	7.4	12.6

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Weight of set: 17.8 kg/39.25 lbs

Systematic safety. Vetter system accessories 1.5 bar/10 bar (21.75 psi/145 psi)

Inflation hose 1.5 bar (21.75 psi)



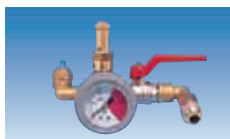
Art. No. 0150000101
Inflation hose
1.5 bar, 10 m, blue
(21.75 psi, 32 ft.)

Inflation and safety hose 1.5 bar (21.75 psi)



Art. No. 0150002201
Inflation and safety hose
1.5 bar, 10 m, blue
(21.75 psi, 32 ft.)

Controller 1.5 bar (21.75 psi)



Art. No. 0150002101
Single fitting controller,
1.5 bar (21.75 psi)



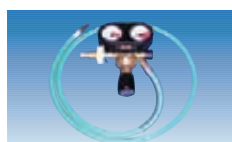
Art. No. 0150001801
Dual fitting controller,
1.5 bar (21.75 psi)



Art. No. 0150001400
Dual fitting controller
1.5 bar, deadman
(21.75 psi)

Select your additional accessories according to the type of air supply

Compressed air cylinder



Art. No. 1600000200
Pressure regulator
200/300 bar
(3,000/4,500 psi)

US version: 1600005301
FR version: 1600004700

Compressor



Art. No. 1600013401
Air supply hose,
10 m (32 ft.), green

Truck brake line

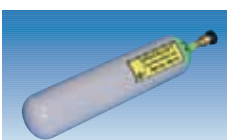
or as an alternative

Tyre inflation system



Art. No. 1600013601
Air supply hose,
10 m (32 ft.), green,
with blocking valve

Tyre



Compressed air cylinder
Art. No. 1600010100
1 l/200 bar
(0.04 cu.ft./3,000 psi)
Art. No. 1600010800
6 l/300 bar
(0.2 cu.ft./4,500 psi)
Art. No. 1600019900
9 l/300 bar
(0.3 cu.ft./4,500 psi)
Art. No. 1600010500
10 l/200 bar
(0.35 cu.ft./3,000 psi)



Art. No. 1600011600
Safety carrier rack for
compressed air cylinders,
6 l/300 bar
(0.2 cu.ft./4,500 psi),
Dual cylinder module



Art. No. 1600011600
Safety carrier rack for
compressed air cylinders,
6 l/300 bar
(0.2 cu.ft./4,500 psi)
(this article will be
required twice for the
four cylinder module)
Art. No. 1600011800
Trolley for safety
carrier rack
Four cylinder module

Compressed air cylinders
are not contained in the
standard delivery package



Art. No. 1600012000
Adapter for construction
site compressor



Art. No. 1600008200
Adapter for portable
compressor



Art. No. 1600007500
Truck brake connector,
2-way



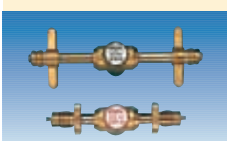
Art. No. 1600012600
Blind coupling



Art. No. 1600007800
Adapter for tyre inflation



Art. No. 1600012900
Tyre valve connector



Art. No. 1600009100
Dual connector
300 bar (4,500 psi)
Art. No. 1600008400
Dual connector
200 bar (3,000 psi)



Art. No. 1600012500
Adapter set, complete

Inflation hose 10 bar (145 psi)



Art. No. 1000000401
Inflation hose,
10 bar, 10 m, green
(145 psi, 32 ft.)

Controller 10 bar (145 psi)



Art. No. 1000000201
Single fitting controller,
10 bar (145 psi)

Foot air pump and CO₂ inflator



Art. No. 0150002800
Foot air pump,
1.5 bar (21.75 psi),
with safety valve and
monometer

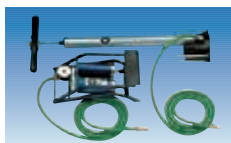


Art. No. 0150003600
CO₂ inflator,
1.5 bar (21.75 psi)
(without cartridge)

Normal
hand/foot pump

Local compressed air
network

Hand/foot pump



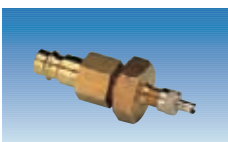
Art. No. 1600008700
Hand air pump,
520 ccm/stroke
(31.7 cu.in.)
Art. No. 1600009400
Foot air pump,
420 ccm/stroke
(25.6 cu.in.)

Do not forget to order
the cartridges!



Art. No. 0150004000
One box with
6 CO₂ cartridges

Note:
CO₂ cartridges cannot
be sent by air freight!



Art. No. 1600008000
Valve for truck tyre



Art. No. 1600008200
Adapter for local
compressed air network



Art. No. 1600014500
Pressure regulator,
max. inlet pressure:
20 bar (290 psi)

If the inlet pressure of the
compressed air network
exceeds the permitted
inflation pressure, then
the adapter must be changed
for the pressure regulator.

Vetter Gully Sealing Bags

Ideal for initial measures when environmentally dangerous liquids find their way into the sewer network. Firstly, the outlets in road gullies are rapidly sealed and secondly, the gully can be used as a pump sump. A positioning rod enables exact positioning of the sealing bag. Gully sealing bags have a high resistance against oil and chemicals, are anti-static and ozone resistive.

In addition to the known, practical **Base Set for the Universal Gully Sealing Bag**, contained in a handy transport case, there is also a new **Premium Set** which consists of 2 Universal Gully Sealing Bags, Type 10/15, and 2 bags, Type 15/30 plus accessories. This now enables diameters up to 30 cm (12 in.) to be covered.

The **Compact Gully Sealing Bag** for sealing sewer inlets comes in two sizes: for diameters from 30 to 50 cm (12 to 20 in.) and from 50 to 80 cm (20 to 31 in.).

Advantages Universal Gully Sealing Bag

- Easy practical positioning system
- Good resistance against chemicals
- Can be used as sealing bag for pipes from 10 to 15 cm (4 to 6 in.) and from 15 to 30 cm (6 to 12 in.)
- The weave structure enables expansions in diameter but stops any expansion in the longitudinal direction

Safety Universal Gully Sealing Bag

- Back pressure of 10 m WH (14.5 psi)
- Very high bursting pressure of at least 8 bar (116 psi)
- Distance to the area of danger is guaranteed by integrated inflation hose
- The sewer can be closed with the grating during operation



Advantages Compact Gully Sealing Bag

- Operationally ready in a small transport case
- Inflation fitting can be uncoupled and is useable for many other bags
- Compressed air bottle capacity enables inflation of the sealing bag twice (bottle can be refilled)

Safety Compact Gully Sealing Bag

- A 2 m (3.3 ft.) hose enables inflation to be made at a distance
- Inflation fitting with safety valve and manometer
- Securing lines for lowering and fixing the sealing bag



Art. No. 1470000100 – Base set for the Universal Gully Sealing Bag
Art. No. 1470001400 – Premium set for the Universal Gully Sealing Bag



Art. No. 1460001001 – Set for Compact Gully Sealing Bag

Set Gully Sealing Bags, consisting of:

Art. No.	Description	Art. No. 1470000100 Base set for Universal Gully Sealing Bag	Art. No. 1470001400 Premium set for Universal Gully Sealing Bag	Art. No. 1460001001 Set for Compact Gully Sealing Bag 30/50
1470000200	Universal Gully Sealing Bag, Type 10/15, 2.5 bar (36.25 psi)	4	2	
1470001300	Universal Gully Sealing Bag, Type 15/30, 2.5 bar (36.25 psi)		2	
1460000101	Compact Gully Sealing Bag 30/50, 0.5 bar (7.25 psi)			1
1470000500	Positioning rod, L = 1500 mm (59 in.), exchangeable, aluminium	1	1	
0250002300	Foot pump with safety valve 2.5 bar (36.25 psi)	1	1	
1460001500	Inflation and safety fitting for Compact Gully Sealing Bag			1
1600010100	Compressed air bottle 1 l/200 bar (0.04 cu.ft./3,000 psi) (unfilled)			1
1470001000	Transport case, size: 600 x 400 x 185 mm (24 x 16 x 7 in.)	1		
1460000700	Transport case, size: 600 x 400 x 185 mm (24 x 16 x 7 in.)			1
1470001700	Transport case, size: 800 x 600 x 220 mm (32 x 24 x 9 in.)		1	

Technical data for the Gully Sealing Bag

Art. No.	Unit	Universal Gully Sealing Bag 10-15	Universal Gully Sealing Bag 15-30	Compact Gully Sealing Bag 30-50	Compact Gully Sealing Bag 50-80
Gully outlet, min-max	cm inch	10 – 15 4 – 6	15 – 30 6 – 12	30 – 50 12 – 20	50 – 80 20 – 32
Maximum operating pressure	bar psi	2.5 36.25	2.5 36.25	0.5 7.25	0.5 7.25
Test pressure max.	bar psi	3.25 47.1	3.25 47.1	0.65 9.4	0.65 9.4
Back pressure	m WH psi	10 14.5	10 14.5	2 2.9	2 2.9
Cylinder length	cm inch	26.5 10.4	35.0 13.8	41.0 16.0	41.0 16.0
Total length	cm inch	30.0 11.8	39.0 15.4	46.0 18.1	46.0 18.1
Diameter	cm inch	9.0 3.5	14.5 5.7	29.5 11.6	45.0 17.7
Nominal content	l cu. ft.	3.7 0.13	14.3 0.50	85.0 3.00	284.0 10.00
Air requirement at 0.5 bar/2.5 bar (7.25 psi/36.25 psi)	l cu. ft.	13 0.46	50 1.77	128 4.52	426 15.04
Weight ca.	kg lbs	1.3 2.87	1.9 4.20	3.7 8.20	8.3 18.30
Weight ca. (set)	kg lbs	12.10 26.68	13.30 29.33	10.30 22.70	– –

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Vetter Pneumatic Collection Containers and Tanks

Vetter pneumatic collection containers are the solution for quick, reliable and safe collection or temporary storage of environmentally dangerous liquids. The insertion tanks can be supplied in two different qualities (PVC and Alcryn). The difference is to be found in the chemical resistance. PVC is resistant against: nitric acid, hydrochloric acid, caustic soda etc.

Alcryn is resistant against: ASTM Oil No. 1-3, gear oil, kerosene, petrol (unleaded) etc.

Being prepared for cases of emergency is of special importance today. In order to avoid epidemics it is not only the emergency services and their equipment which have to be decontaminated but also their vehicles. Even here Vetter has the answer: the Collection Tank (length: 10 m and 20 m/32 ft. and 64 ft.).

Special sizes can be supplied on request.



Advantages

- High resistance
- Self-erecting support frame
- Quick assembly
- Wide range of use

Safety

- Tear-proof material
- Built-in safety valve (0.5 bar/7.25 psi) avoids excessive inflation
- Low operating pressure of 0.5 bar (7.25 psi)



Set Collection Containers and Tanks

NEW

Art. No.	Description	Art. No. 1510003800 Set PAB 1,000	Art. No. 1510003900 Set PAB 1,500	Art. No. 1510000100 Set PAB 3,000	Art. No. 1510004000 Set PAB 5,000	Art. No. 1510001000 Set DAW 1,100	Art. No. 1510006100 Set for truck tank 10 m (32 ft.)	Art. No. 1510005800 Set for truck tank 20 m (64 ft.)
1510004100	Pneumatic frame PAB 1.000	1						
1510004200	Pneumatic frame PAB 1.500		1					
1510000300	Pneumatic frame PAB 3.000			1				
1510004300	Pneumatic frame PAB 5.000				1			
1510000400	Pneumatic support frame DAW 1.100					1		
1510005900	Support frame for collection tank, 10 m (32 ft.)						1	
1510002400	Support frame for collection tank, 20 m (64 ft.)							1
1510004400	Special flexible tank 1,000 l (35 cu.ft.)	1						
1510004500	Special flexible tank 1,500 l (53 cu.ft.)		1					
1510000200	Special flexible tank 3,000 l (106 cu.ft.)			1				
1510004600	Special flexible tank 5,000 l (177 cu.ft.)				1			
1510000500	Insertion collection tank DAW 1,100					1		
1510006000	Insertion tank, 10 m (32 ft.), alcryn						1	
1510002200	Insertion tank, 20 m (64 ft.), alcryn							1
0050002201	Single fitting controller, 0.5 bar (7.25 psi)	1	1	1	1	1		
0050000701	Inflation hose, 0.5 bar, 5 m, yellow (7.25 psi, 16.4 ft.)	1	1	1	1	1		
1520016401	Inflation hose, 1 m (3.2 ft.), yellow, for direct inflation						1	1
1600014500	Pressure regulator, 20 bar (290 psi)						1	1
3110000700	Packing bag 110 x 72 x 30 cm (43 x 28 x 12 in.)	1	1	1				
1520004200	Packing bag 110 x 85 x 40 cm (43 x 33 x 16 in.)				1			
3110000600	Packing bag 80 x 56 x 23 cm (32 x 22 x 9 in.)					1		
0050004500	Repair set, 0.5 bar (7.25 psi)	1	1	1	1	1	1	1

Technical data for Collection Containers and Tanks

Art. No (set)	Unit	PAB 1,000	PAB 1,500	PAB 3,000	PAB 5,000	DAW 1,100	Truck tank 10 m (32 ft.)	Truck tank 20 m (64 ft.)
Size, inner	cm	Ø 145	Ø 170	Ø 225	Ø 280	190 x 190	1,000 x 300	2,000 x 300
	inch	Ø 57	Ø 67	Ø 88	Ø 110	75 x 75	394 x 118	787 x 118
Size, outer	cm	Ø 185	Ø 210	Ø 265	Ø 320	250 x 250	1,060 x 360	2,060 x 360
	inch	Ø 73	Ø 83	Ø 104	Ø 126	98 x 98	417 x 142	811 x 142
Height	cm	95	95	95	95	30	30	30
	inch	37	37	37	37	12	12	12
Operating pressure	bar	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	psi	7.25	7.25	7.25	7.25	7.25	7.25	7.25
Test pressure	bar	0.65	0.65	0.65	0.65	0.65	0.65	0.65
	psi	9.4	9.4	9.4	9.4	9.4	9.4	9.4
Nominal content	l	284	340	470	562	622	2,090	3,700
	cu. ft.	10.00	12.00	16.60	19.80	22.00	74.00	131.00
Air requirement at 0.5 bar (7.25 psi)	l	426	510	705	843	933	3,135	5,550
	cu. ft.	15	18	25	30	33	111	196
Capacity	l	1,000	1,500	3,000	5,000	1,100	9,000	18,000
	cu. ft.	35.0	53.0	106.0	177.0	39.0	318	636
Weight of set ca.	kg	23	27	33	44	10	85	170
	lbs	51.0	60.0	73.0	97.0	22.0	187.0	375.0

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Systematic safety. Vetter system accessories 0.5 bar (7.25 psi)

Inflation hose 0.5 bar (7.25 psi)



Art. No. 0050000701
Inflation hose,
0.5 bar, 5 m, yellow
(7.25 psi, 16.4 ft.)



Art. No. 0050001500
Inflation hose,
0.5 bar, 5 m, red
(7.25 psi, 16.4 ft.)



Art. No. 0050001801
Inflation hose,
0.5 bar, 10 m, yellow
(7.25 psi, 32 ft.)



Art. No. 0050002001
Inflation hose,
0.5 bar, 10 m, red
(7.25 psi, 32 ft.)

Direct inflation 0.5 bar (7.25 psi)



Art. No. 1520016401
Inflation hose, 1 m
(3.2 ft.), yellow, with ball
valve for direct inflation,
0.5 bar (7.25 psi)

Controller 0.5 bar (7.25 psi)



Art. No. 0050002201
Single fitting controller,
0.5 bar (7.25 psi)

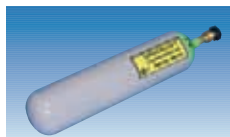


Art. No. 0050000801
Dual fitting controller,
0.5 bar (7.25 psi)



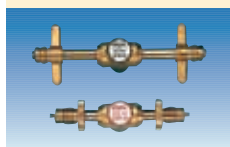
Art. No. 1600000200
Pressure regulator
200/300 bar
(3,000/4,500 psi)

US version: 1600005301
FR version: 1600004700



Compressed air cylinder

Art. No. 1600010800
6 l/300 bar
(0.2 cu.ft./4,500 psi)
Art. No. 1600019900
9 l/300 bar
(0.3 cu.ft./4,500 psi)
Art. No. 1600010500
10 l/200 bar
(0.35 cu.ft./3,000 psi)



Dual connector

Art. No. 1600009100
300 bar (4,500 psi)
Art. No. 1600008400
200 bar (3,000 psi)



Art. No. 1600011600
Safety carrier rack for
compressed air cylinders,
6 l/300 bar
(0.2 cu.ft./4,500 psi),
two cylinder module.

Cylinders are not
contained in the standard
delivery package.



Art. No. 1600011600
Safety carrier rack for
compressed air cylinders,
6 l/300 bar
(0.2 cu.ft./4,500 psi)
(this item will be
required twice with the
4 cylinder module)
Art. No. 1600011800
Trolley for safety carrier
rack
(for 4 cylinder module).

Cylinders are not
contained in the standard
delivery package.

Accessories for draining the collection containers and tanks



Art. No. 1700014600
Suction jet for the decontamination
tank with Storz 38, for draining
containers and tanks, for connection
to Vetter oil/water aspirators



Art. No. 1700018300
Vacuum adapter for rapid deflation
of the support frame.
Connection of snap-coupling to the
air source, pressure should be between
4 and 6 bar (58 and 87 psi)

Vetter Oil Barrier

NEW



When dealing with environmentally dangerous, leaking liquids (e.g. oil, petrol etc.) it is imperative that the first fire service group arriving at the scene immediately takes counter-measures. If there is a danger that such liquids could flow into open waters then the oil barrier set offers a good possibility to react quickly with the material and staff available. In this way, further spreading and damage to people and environment can be limited.

Vetter offer a set of accessories for this purpose which can be combined with existing fire service material. The fire hoses existing on the fire engines are combined with the connection and inflation accessories in the set. This forms a unit, when positioned in water, which is a barrier for liquids floating on the surface.



Art. No. 1700031000 – Set for oil barrier

Advantages

- Quickly operational
- Small pack size:
600 x 400 x 185 mm (24 x 16 x 7 in.)
- The adapters enable the assembly of C-hoses as well as B-hoses

Safety

- Automatic deflation valve

Oil Barrier Set, consisting of:

Art. No.	Description	Art. No. 1700031000 Set for Oil Barrier
1600000200	Pressure regulator 200/300 bar (3,000/4,500 psi)*	1
1600013601	Air supply hose, 10 m (32 ft.), green, with blocking valve	1
1700009300	C-Storz adapter with snap-coupling	2
1700016600	C-blind coupling with chain	2
1700022400	B-blind coupling with chain	2
1700011400	Adapter B-C	5
1700007900	Blocking valve Size C	1
1700030900	Blind coupling C with automatic deflation	1
1700035400	Transport case 600 x 400 x 185 mm (24 x 16 x 7 in.)	1

* Pressure regulator US version: 1600005301
Pressure regulator FR version: 1600004700

Vetter Collection Container

HAZARDOUS MATERIAL CONTAINER, SQUARE

Vetter Hazardous Material Containers are made of fibreglass reinforced polyester. In order to cover a wide range of possible accidents involving hazardous materials, an especially acid resistant polyester resin is used. The containers enable collection and storage of aggressively acting liquids such as acids, caustic soda and oils which can leak with any hazardous material accidents, e.g. leakages on tanks or leakage defects occurring during transport or operation.

Advantages

- Extremely resistant against acids
- Space-saving due to the fact that all 9 containers fit into each other
- Total capacity of the 9 containers: 9,740 l (344 cu.ft.)
- High resistance against chemicals
- Easy to repair
- Light in weight as opposed to stainless steel containers
- Containers with or without covers can be supplied
- Extremely long life duration

Safety

- Equipped with a stable sealing cover
- Cover fitted with circumferential sealing





Art. No. 4000000200



Art. No. 4000002600



Art. No. 4000000700

HAZARDOUS MATERIAL CONTAINER 100 l (3.5 CU.FT.), ROUND

Collection and storage container, fitting into each other, GFRP, smooth inside and outside surfaces, transparent, fitted with carrying lugs, including tension ring sealing cover.

Diameter: 59 cm (24 in.)

Height: 54 cm (21 in.)

Weight: 7.5 kg (16.5 lbs)

SCOOP FOR HAZARDOUS MATERIAL

For scooping up very flat areas of liquid, GFRP, with handle, smooth inside and outside surfaces.

Dimensions 31 x 33 x 13 cm

(L x W x H): (12 x 13 x 5 in.)

Weight: 1 kg (2.2 lbs)

HAZARDOUS MATERIAL GUTTER

For draining of liquids at difficult-to-access positions, GFRP, fitting into each other, connection of individual elements by ratchet locking and clamps. The gully consists of a head piece (length: 1.13 m/44.5 in.) and 3 individual elements (length of each one: 1.09 m/43 in.). The total length when ready for operation: 4 m (6.5 ft.).

Dimensions 113 x 58 x 13 cm

(L x W x H): (44.5 x 23 x 5 in.)

(fitted into each other)

Weight: 10 kg/22 lbs

Technical data for Hazardous Material Containers, square

	Unit	170 l / 6 cu.ft.	260 l / 9 cu.ft.	420 l / 15 cu.ft.	620 l / 22 cu.ft.	860 l / 30 cu.ft.
Art. No. with cover		4000002800	4000002900	4000003000	4000003100	4000003200
Art. No. without cover		4000004200	4000004400	4000004600	4000004800	4000005000
Size including rim	cm	89 x 49	101 x 59	117 x 73	128 x 89	141 x 101
	inch	35 x 19	40 x 23	46 x 29	50 x 35	56 x 40
Height	cm	61.5	66.5	71.5	76.5	81.5
	inch	24	26	28	30	32
Capacity	l	170	260	420	620	860
	cu. ft.	6.0	9.0	15.0	22.0	30.0
Weight with cover	kg	12.5	20.5	27.0	35.0	45.5
	lbs	27.6	45.2	59.5	77.2	100.3
Weight without cover	kg	9.0	16.0	21.0	27.0	34.0
	lbs	19.9	35.3	46.3	59.5	75.0

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	Unit	1,210 l / 43 cu.ft.	1,610 l / 57 cu.ft.	2,050 l / 72 cu.ft.	2,540 l / 90 cu.ft.
Art. No. with cover		4000003300	4000003400	4000003500	4000003600
Art. No. without cover		4000005200	4000005400	4000005600	4000005800
Size including rim	cm	157 x 117	168 x 135	178 x 147	194 x 164
	inch	62 x 46	66 x 53	70 x 58	76 x 65
Height	cm	87.5	92.5	97.5	104.5
	inch	34	36	38	41
Capacity	l	1,210	1,610	2,050	2,540
	cu. ft.	43.0	57.0	72.0	90.0
Weight with cover	kg	62.0	77.0	86.0	115.0
	lbs	136.7	169.8	189.6	253.6
Weight without cover	kg	48.0	59.0	65.0	90.0
	lbs	105.8	130.1	143.3	198.5

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Vetter

List for temperature resistances and materials



Tears in the cover caused by external mechanical effects

With resistance tests (DIN 53476 and 53521) material durability is mainly assessed with regard to the changes in their mass and hardness. The resistance of a rubber mixture is essentially, depending on the diffusion, influenced by the material thickness being used. Most of the stresses are caused by a combination of thermo-chemical actions and expansion factors.

A material subjected to expansion reacts quicker to chemicals as opposed to a material not subjected to expansion.

This means: the more the expansion, the less the chemical resistance. Therefore, this list should only be regarded as basic reference.

The data is based on laboratory tests, pragmatical values and are influenced by variable factors such as temperature, intensity, exposure duration etc.

This list was compiled according to the above factors and marked with the following symbols:

- + resistant
- o conditionally resistant
- non-resistant
- nd no details

The data represents the present state of our know-how and should be regarded as a basic reference.

We will gladly provide material samples should you wish to conduct your own chemical resistance tests.

Temperature resistance

Product	Cold resistance	Cold (flexible)	Heat resistance long term	Heat resistance short term
Hot-vulcanised	– 40° C	– 20° C	+ 90° C	+ 115° C
Cold-vulcanised	– 40° C	– 20° C	+ 70° C	+ 85° C
Rubber hoses	– 40° C	– 30° C	+ 90° C	
Packing bags	– 20° C		+ 50° C	
Packing covers, acid protection covers	– 20° C		+ 50° C	
Fitting controllers	– 20° C		+ 50° C	
Plastic controllers	– 20° C		+ 50° C	
Aluminium controllers	– 20° C		+ 50° C	

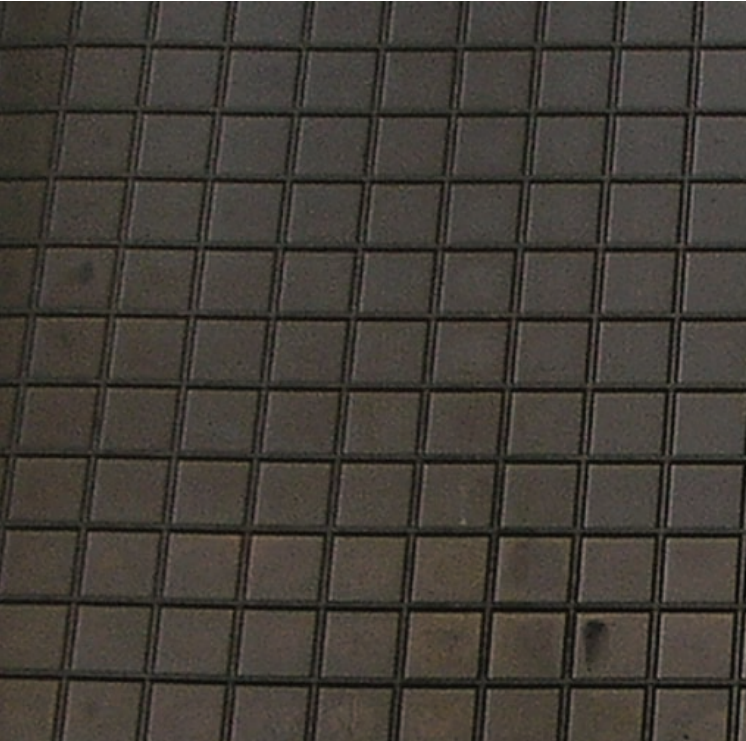
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Material list

Product	Material	Base material	Production
Support frame for decontamination tank	CR	Polyamide	Cold-vulcanised
Decontamination insertion tank	PVC	Polyester	–
Support frame f. collection container	CR	Polyamide	Cold-vulcanised
Insertion tank f. collection container	PVC	Polyester	–
Flange Drainage Bag	CR	CR	Hot-vulcanised
Leak Sealing Bandages	CR	Nylon cord	Hot-vulcanised
Leak Sealing Bags	CR	Nylon cord	Hot-vulcanised
Leak Sealing Lance	NR	Nylon cord	Hot-vulcanised
Mini Leak Sealing Bag	CR	Nylon cord	Hot-vulcanised
Vacuum Leak Drainage Bag	NR	Nylon cord	Hot-vulcanised
Pneumatic Lifting Sleeve	NR	Nylon cord	Hot-vulcanised
Acid protection cover	PVC	Polyester	–
Gully Leak Sealing Bags	CR	Nylon cord	Hot-vulcanised
GFRP article	GFRP	Fiber glass mats	–
Inflation hoses and air supply hoses	EPDM*	Polyester	–

* Ethylen Propylen Dien Rubber

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Surface in the new condition

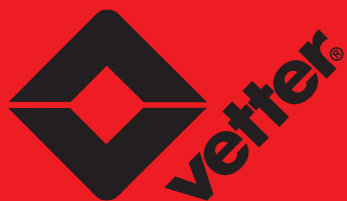
Porous surface caused by subjection to chemicals

Resistance charts

Name of the material	CR	NR	GFRp	PVC	EPDM
Acetone	o	+	-	-	-
Acetylene	+	+	+	o	-
Alum watery	+	+	+	+	-
Aluminium chloride	+	+	+	o	+
Aniline	-	nd	o	-	nd
ASTM-oil 1	o	-	+	nd	-
Petrol	o	-	+	-	nd
Benzene	-	-	o	-	-
Boric acid	+	+	nd	+	+
Bromine (moist)	-	-	o	-	-
Butyric acid	-	-	nd	o	nd
Chlorine gas (moist)	-	-	+	-	nd
Chlorine, wet	o	-	+	nd	o
Diesel fuel	o	-	nd	o	-
Iron chloride	+	+	+	+	+
Petroleum	o	-	+	o	-
Acetic acid	o	+	+	o	o
Fatty acid	+	o	+	nd	-
Formaldehyde	+	+	+	nd	+
Glucose	+	+	+	+	+
Heating oil	+	-	+	+	-
Potassium chloride	+	+	+	o	+
Calcium chloride	+	+	+	o	+

Name of the material	CR	NR	GFRp	PVC	EPDM
Calcium nitrate	+	+	nd	nd	+
Carbon dioxide	+	+	+	+	+
Carbon monoxide	+	+	nd	-	+
Copper sulphate	+	+	+	o	+
Adhesive	+	+	+	nd	+
Methyl chloride	-	-	nd	o	o
Sea water	+	+	+	o	nd
Mineral oil	+	-	+	+	-
Sodium carbonate	+	+	+	-	-
Ozone	+	-	+	nd	+
Paraffin	+	-	+	nd	-
Perchloric acid	o	nd	nd	nd	+
Phenol (watery)	-	-	o	-	+
Phosphoric acid (consentrated)	-	-	nd	+	-
Mercury	+	+	+	o	+
Nitric acid (fuming)	-	-	nd	+	-
Sulphur dioxide (dry)	-	o	nd	o	nd
Sulphuric acid (50%)	+	-	+	o	-
Nitrogen	+	+	nd	nd	+
Carbon tetrachloride	-	-	nd	o	-
Animal fat	+	-	nd	nd	+
Toluene	-	-	o	-	-

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