

Emergency Pneumatics.



HazMat product range

Product catalogue



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Contents

HazMat product range

Sealing leaks	Page	6
High-pressure solutions	Page	19
Sealing and controlled drainage	Page	26
Sealing pipelines and gullies	Page	32
Collection and storage	Page	38
Accessories – dangerous goods product range	Page	44

Vetter Resistance List

Temperature resistance, material and resistance list	Page	48
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Emergency Pneumatics

Equipped for emergencies

Vetter has products for professionals:

For decades, we have been the leading supplier of emergency pneumatics. Our entire portfolio is especially developed and tested for use in rescues. We therefore guarantee you the maximum functionality of our products – even under extreme conditions. You can rely on that.





Vetter knows you.

For more than 50 years, we have been the reliable partner for fire services and rescue services all over the world. Our know-how and the experience of our customers is incorporated into the continuous development of our products. In this way you always receive well thought-through emergency pneumatics from Vetter, which you trust. This means that you can fully concentrate on your assignment.



Vetter supports you.

Highly specialised pneumatics is our core business. You benefit from a full range of emergency pneumatics, completely developed by our engineers in Germany. Vetter has a broad portfolio across all pressure ratings, materials and designs. We always consider the needs of our customer. Thus, our 12 bar lifting bags already represent the next generation of modern rescue technology.



Vetter listens to you.

Together with you, we select the equipment that precisely suits your operational scenarios. Our worldwide dealer network is there for you – before, during and after your purchase. Vetter also offers you a test service, with which our products are tested regularly on site. This means you remain operational at all times.



You can trust Vetter.

Controlled manual work and high-quality raw materials are the basis for the success of our emergency pneumatics. Each product is tested individually before it is delivered, so that nothing goes wrong during its use. You can see this for yourself thanks to our inspection seal. By the way: almost all Vetter's rescue products are made in Germany.



Leak sealing bags

Seal large areas reliably

- › sealing area up to 86 x 57 cm (34 x 22 inch)
- › for containers from 50 cm (20 inch) diameter
- › work quickly and easily
- › sealing of leaks in tanks

Every second counts when hazardous liquids escape from tanks, pipes or drums. Vetter leak sealing bags are therefore optimally designed for fast and easy use at the accident site. You inflate the bag within the shortest possible time with a foot pump. The uniform pressure distribution of the sealing bags protects the structures around the leaks and thus reduces the risk of the leak enlarging. The acid protective covers have an integrated belt pocket and suitable belt slots. You therefore do not have to remove the cover and belts for storage and save valuable time in operation.



Acid protective cover for safe use and safe storage

Reliable sealing thanks to the convenient solution with belt slots



Vetter leak sealing bags are available in two versions:

SWIVEL EYES

Particularly flexible in operation:

- › can be braced at an angle at temperature up to 90 °C
- › therefore, almost unlimited positioning options



BELT SLOTS

The safe solution in case of a risk of explosion:

- › no metal parts on the belt slot
- › sparking therefore not possible



In operation ...

- › to cover large areas
- › to seal leaks in tank trucks and wagons
- › to seal large drums and pipes
- › to seal cracks



Good reasons:

- › reinforced, low-expansion cover plate
- › can be used in narrow gaps
- › built-in metal plates for tensile load distribution over the entire bag width



Guaranteed quality:

- › Individually tested (inspection seal)
- › very resistant acid protective cover (PVC)

Leak sealing bag sets

All sets listed here include these components:

- › Foot pump with safety valve, 1.5 bar (21.75 psi)
- › Inflation hose, 1.5 bar (21.75 psi), 10 m (32 ft.), blue
- › 4 tension and extension belts with ratchet, 10 m (32 ft.), orange and blue
- › Acid protective cover, PVC, yellow
- › 2 sealing plates, 60x30x3 cm (24x12x1.2 inch)
- › Transport case, 80x60x22 cm (32x24x9 inch)



leak sealing bags with swivel eyes



leak sealing bags with belt slots

Sealing bags with swivel eyes

Sealing area of 50 x 30 cm (20 x 12 inch)



The leak sealing bag, Type LD 50/30 W, 1.5 bar (21.75 psi), is available as a set with the accessories listed above. In addition, this set includes 2 ratchet belts (2 m/6.6 ft.), 2 attachment belts (5 m/16.4 ft.) and 2 tension and extension belts (10 m/32 ft.).

1500000103



Sealing bags with belt slots

Sealing area of 50 x 30 cm (20 x 12 inch)



The leak sealing bags, Type LD 50/30 S, 1.5 bar (21.75 psi), are available as a set with the accessories listed above on Page 8.

1500005302



Use the sealing plates supplied for sharp-edged leak openings. They extend the life of your leak sealing bags.

Special leak sealing bag sets

XL leak sealing bags

Large sealing area of 86 x 57 cm



The XL leak sealing bag for large leaks. Suitable for all containers from diameter 90 cm.

- › Leak sealing bag, Type LD 110/60 S, XL, 1.5 bar, with belt slots
- › Single control device, 1.5 bar, fitting control
- › Inflation hose, 1.5 bar, 10 m, blue
- › 6 tension and extension belts with ratchet, 10 m, orange and blue
- › 2 sealing plates, 100 x 50 x 3 cm
- › Acid protective cover, PVC, yellow

1500018301



XL leak sealing bags with extra-large sealing area

Technical data*

Uniform sealing pressure of 14 mWC

Leak sealing bags	Size (L x W x H) cm	Sealing area cm	Air requirement at 1.5 bar litre	Single bag weight, approx. kg	Weight Set, approx. kg
LD 50/30 W 1500005102	61.5 x 30 x 2	50 x 30	17.5	6.9	31.7
LD 50/30 S 1500005401	61.5 x 30 x 2	50 x 30	17.5	4.3	29

* Subject to change without notice

Leak sealing bags:

Operating pressure: 1.5 bar | Test pressure: 1.95 bar

W: Swivel eyes | **S:** Belt slots

Special leak sealing bags	Size (L x W x H) cm	Sealing area cm	Sealing pressure mWC	Air requirement litre	Single bag weight, approx. kg	Weight Set, approx. kg
LD 110/60 S, XL 1500014500	110 x 60 x 2	86 x 57	14	190	16	39.5

* Subject to change without notice

Special leak sealing bags:

Operating pressure: 1.5 bar

Test pressure: 1.95 bar

Mini leak sealing bags

The small, fast leak stoppers

- › Fast fixing with Velcro® belts
- › Up to 1.4 bar (20.3 psi) counterpressure
- › For containers with 10–90 cm (4–35 inch) diameter
- › Supplied in a practical case

Whether liquids or gases – with our mini leak sealing bags you stop leaks in small containers (10–90 cm/4 and 35 inch), quickly and efficiently. And thanks to our safe to use Velcro® fastenings and metal-free tension belts, you can fix the sealing bags even in difficult positions without injuries. The maximum operating pressure of 1.5 bar (21.75 psi) is reached quickly, with only a few strokes of the foot pump – and everything is leaktight.



Mini leak sealing bags with practical Velcro® tension belts for fast and easy fixing

Technical data*

Uniform sealing pressure of 14 mWC (20.3 psi)

Mini leak sealing bags	Size (L x W x H) cm/inch	Sealing area cm/inch	Air requirement at 1.5 bar litre/cu. ft.	Weight Single bag, approx. kg/lbs
LDK 10/10 1500008300	15 x 15 x 1.2** 6 x 6 x 0.5	9.5 x 9.5 3.7 x 3.7	0.8 0.03	0.5 1.1
LDK 10/25 1500008500	15 x 31 x 1.2** 6 x 12 x 0.5	9.5 x 25.5 3.7 x 10	1.3 0.05	0.8 1.8
LDK 20/20 1500008600	25 x 25 x 1.2** 10 x 10 x 0.5	19.5 x 19.5 7.7 x 7.7	5 0.18	1.1 2.4

* Subject to change without notice | ** In valve area + 6 mm (0.2 inch).

Mini leak sealing bags:

Operating pressure: 1.5 bar (21.75 psi)

Test pressure: 1.95 bar (28.5 psi)

Set weight:

approx. 10.4 kg (23 lbs)



Sealing bags stop leaks in drums

Mini leak sealing bag set

- › Mini leak sealing bags, Type LDK 10/10, 10/25, 20/20
- › Foot pump with safety valve, 1.5 bar (21.75 psi)
- › 2 tension belts, 150 cm (59 inch) and 3 tension belts, 300 cm (117 inch), blue
- › Transport case, 600 x 400 x 183 mm (24 x 16 x 7 inch)

1500009400



Leak sealing lance (1.5 bar/21.75 psi)

The fast first-aider in case of leaks

- › Very quickly ready for use
- › Can be operated by one person
- › For sealing cracks and holes
- › Safe distance from the leak

As the first person on the scene, with the Vetter leak sealing lance you are ready for operation in seconds. It allows you to seal small leaks in storage tanks or tank trucks or wagons in seconds from a safe distance. The wedge and cone bags at the tip of the leak sealing lance reduce the flow rate effectively in 15–60 millimetre (0.6–2.3 inch) cracks and 30–90 millimetre (1.2–3.5 inch) holes. Anti-slip profiles on the bags ensure secure grip. Because it can be operated by only one person, the simply designed sealing lance is a valuable tool on site for the first person to arrive on the scene. This creates more time for further measures to be prepared.



The leak sealing lance can be extended to a maximum length of 140 cm (55 inch) with the help of plug-on hollow PVC rods

Leak sealing lance set with foot pump



- › Wedge bag 6, 8, 11 and cone bag 7 (1.5 bar/21.75 psi)
- › 3 PVC hollow rods @ 35 cm/14 inch
- › PVC hollow rod with chain and nipple
- › Shut-off unit
- › Foot pump with safety valve, 1.5 bar (21.75 psi)
- › Drip shield
- › Transport case, 400x300x183 mm (16x12x7 inch)

Standard: 1500009600

Made of chloroprene rubber: 1500027700

Technical data*

Leak sealing lance (1.5 bar/21.75 psi)	Size (L***xWxH) cm/inch	Air requirement at 1.5 bar litre/cu. ft.	Weight, approx. kg/lbs	Leak opening size cm/inch	Width cm/inch
Wedge bags 6 1500009800/1500009801**	23x6x5 9x2.4x2	1.5 0.05	0.2 0.4	1.5–4.5 0.59–1.77	6–9 2.36–3.54
Wedge bags 8 1500010000/1500010001**	23x8x5.5 9x8x2.2	3.5 0.12	0.3 0.7	1.5–4.5 0.59–1.77	8–12 3.15–4.72
Wedge bags 11 1500010100/1500010101**	23x11x7 9x4.3x2.8	7.8 0.28	0.4 0.9	3–6 1.8–2.36	11–17 4.33–6.69
Cone bag 7 1500010200/1500010201**	23xØ 7 9xØ 2.8	3 0.11	0.2 0.4	3–9 1.8–3.54	–

* Subject to change without notice | ** Made of chloroprene rubber. | *** Length with coupling + 6 cm (2.36 inch).

Leak sealing lance (1.5 bar/21.75 psi):

Operating pressure: 1.5 bar (21.75 psi)

Test pressure: 1.95 bar (28.5 psi)

Set weight:

approx. 8.1 kg (17.9 lbs)



Seal leaks from a safe distance



In operation ...

- › for cracks from 15–60 mm (0.6–2.3 inch)
- › for holes from 30–90 mm (1.2–3.5 inch)



Good reasons:

- › 1-man operation
- › can be inflated using foot pump
- › adequate distance from the danger zone thanks to 140 cm (55 inch) lance length
- › shut-off valve prevents pressure drop and air loss on uncoupling



Guaranteed quality:

- › individually tested (inspection seal)
- › good chemical resistance
- › extremely flexible rubber

Ready to use system in a practical transport case.

Leak sealing bandages

Seal pipes in seconds

- › Sealing area up to 38 cm (15 inch) wide
- › Belts mounted directly on the bag
- › For pipes with 5–48 cm (2–19 inch) diameter
- › Up to 1.4 bar (20.3 psi) counterpressure

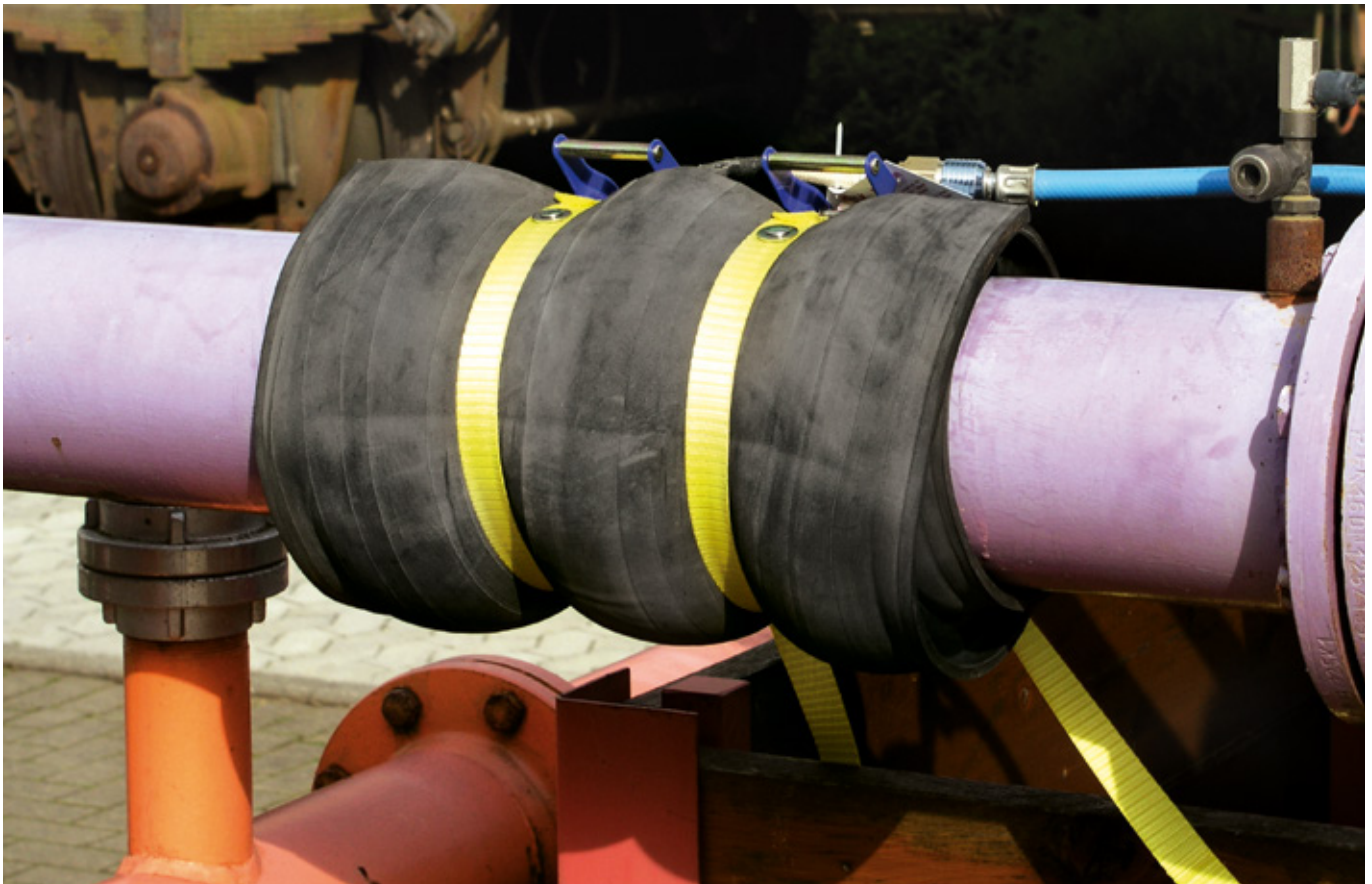
With our Vetter leak sealing bandages you can seal leaks in pipes that occur suddenly. This enables you to act quickly in an emergency. Use of our Vetter leak sealing bandages is also intuitive if you are using them for the first time: Wrap around the leak, tension the belts and inflate the bag. Ready!



Leak sealing bandage 5–20 XL (38 cm/15 inch wide)



Leak sealing bandage 5–20 and 20–48 (19 cm/7.5 inch wide)



Technical data*

Uniform sealing pressure of 14 mWC (20.3 psi)

Leak sealing bandages	Size cm/inch	Wide sealing area cm/inch	Air requirement at 1.5 bar (21.75 psi) litre/cu. ft.	Weight Single bag, approx. kg/lbs
LB 5–20 1500013900	98 x 21 38.6 x 8.3	19 7.5	22.5 0.8	2.3 5.0
LB 20–48 1500014000	177 x 21 69.9 x 8.3	19 7.5	40 1.4	4 8.8
LB 5–20 XL 1500018200	100 x 40 39.4 x 15.7	38 15	75 2.7	5.5 12.3

* Subject to change without notice

Leak sealing bandages:

Operating pressure: 1.5 bar (21.75 psi)

Test pressure: 1.95 bar (28.5 psi)

The Vetter foot pump: practical to operate and quickly to hand.

Recommended accessories

Foot pump, 1.5 bar (21.75 psi), with safety valve

0150002800



In operation ...

- › for suddenly occurring pipe defects
- › on pipes and round containers with 5–48 cm (2–19 inch) diameters
- › for pipe leakages



Good reasons:

- › can be inflated using foot pump
- › easy handling
- › all-round reliable seal
- › bandage supplied with belts

Inflation and safety hose, 1.5 bar (21.75 psi), 10 m (32 ft.), blue

0150002201



Guaranteed quality:

- › individually tested (inspection seal)
- › good chemical resistance

Leak sealing pastes

Seal valve stems and flanges easily

- › easy to apply
- › good chemical resistance
- › immediate sealing
- › quick and uncomplicated



The Vetter leak sealing paste:
Set with 8 tubs @ 500 ml: 1500004600

Vetter leak sealing pastes seal leaks immediately and lastingly. You avoid further leaking and gain valuable time for proper disposal or removal of hazardous materials by specialists. Because leaking chemicals mean extreme danger for people and the environment – regardless of whether the leak is in the smallest valve stem and flanges or in vessels such as tanks, drums and containers.



In operation ...

- › also for leaks that are difficult to access
- › for sealing pipes and containers
- › for leaking liquid chemicals



Good reasons:

- › damage-limiting immediate action
- › easy to handle
- › fast sealing
- › can be used on a rusty or dirty surface
- › can also be used in below zero temperatures



Guaranteed quality:

- › non-toxic
- › non-flammable
- › chemical resistant
- › many years of durability





HIGH-PRESSURE SOLUTIONS

Our high-pressure sealing systems are as varied as the areas in which they are used: Regardless of whether you have to seal pipes in places that are difficult to access, boiler tanks or high-pressure pipes – with Vetter solutions you are always optimally prepared for an emergency. Just like all our products, are high-pressure sealing systems are designed for fast use and have been tried and tested in operation for many years.



High-pressure leak sealing system

Clever hose system for complicated pipe leaks

- › Vetter innovation
- › Sealing in the most difficult places
- › For leaks in pipes up to 20 cm (8 inch) diameter
- › 14 bar (203 psi) operating pressure

Our high-pressure leak sealing system is your reliable tool for leaks in narrow or uneven pipes that are difficult to access: The movable hoses lie, precise-fitting against even complicated leaks such as at T-pieces, pipe bends, connection sockets or welds. You need only a compressed air cylinder to inflate the system in a few seconds. We developed the high-pressure leak sealing system in close cooperation with Henkel KGaA, Düsseldorf.

New: with 14 bar (203 psi) operating pressure



Precise-fitting sealing of difficult leaks

Technical data*

High-pressure leak sealing system	Air requirement at 14 bar litre/cu. ft.	Temperature °C/°F	Weight, approx. kg/lbs
1.5 m (59 inch) hose 1500015901	11.1 0.4	–30 bis +80 –22 up to +176	1.1 2.5
2.5 m (98 inch) hose 1500016001	20 0.7	–30 bis +80 –22 up to +176	1.4 3
3.5 m (138 inch) hose 1500016101	27.9 1	–30 bis +80 –22 up to +176	1.8 3.9

* Subject to change without notice

High-pressure leak sealing system:

Operating pressure: 14 bar (203 psi)

Weight approx.:

Premium set: approx. 12.3 kg (27.1 lbs)

Basic set: approx. 7.3 kg (16.1 lbs)

Please note: Pressure regulator required



Intelligent sealing hose system



Inflated in seconds



In operation ...

- › at T-pieces, pipe bends or problematic connection sockets
- › for leaking liquids in pressurised pipes or fittings



Good reasons:

- › universally usable and easy to operate
- › additional sealing plates for increased resistance
- › sealing hoses electrostatically conductive (ISO 8031/8.97)



Guaranteed quality:

- › individually tested (inspection seal)
- › earthing connection on both sides of the sealing hose couplings
- › all metal parts made of stainless steel

High-pressure leak sealing system

Clever hose system for complicated pipe leaks

Basic set



The basic set contains 1 hose and 1 sealing plate. The pressure regulator is not included.

- › Sealing hose, 2.5 m (98 inch)
- › Inflation valve and inflation hose
- › FKM sealing plate, 150x310x3 mm (6x8x0.1 inch)
- › Bleed valve
- › Transport case, 400x300x183 mm (16x12x7 inch)

1500019000

Premium set



With the Premium set you are equipped for every operation. It is suitable for many diameters and for sealing several leaks at the same time. The set contains 3 sealing plates and can thus be used for a large bandwidth of hazardous substances.

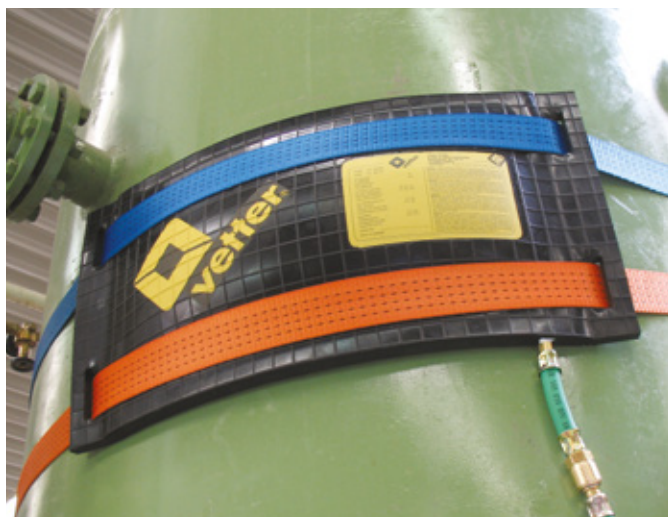
- › Sealing hose, 1.5 m (59 inch), 2.5 m (98 inch), 3.5 m (138 inch)
- › Inflation valve and inflation hose
- › Pressure regulator, 200/300 bar (2,900/4,350 psi)
- › 3 sealing plates NBR, EPDM, FKM, 150x310x3 mm (6x8x0.1 inch)
- › Bleed valve
- › Transport case, 600x400x183 mm (24x16x7 inch)

1500015800 | 1500019100 (USA)

High-pressure leak sealing bags (12 bar/174 psi)

Reliable against especially high pressures

- › 12 bar (174 psi) working pressure
- › Unrivalled on the market
- › Sealing area up to 50 x 30 cm (20x12 inch)
- › Resist against higher internal tank pressure



The high-pressure leak sealing bag withstands higher internal boiler pressures, for example, in chlorine tanks.

- › Leak sealing bags, Type LD 50/30 S, 12 bar, with belt slots
- › Single control device, 12 bar, fitting control
- › Inflation hose, 12 bar, 10 m, green
- › 2 tension and extension belts with ratchet, 10 m, orange and blue
- › Sealing plate, 60 x 30 x 3 cm
- › Acid protective cover, PVC, yellow
- › Transport case, 80 x 60 x 12 cm

1500011502



Technische Daten*

Special leak sealing bags	Size (L x B x H) cm/inch	Sealing area cm/inch	Sealing pressure mWC/psi	Air requirement Liter/cu. ft.	Weight Single bag, approx. kg/lbs	Weight Set, approx. kg/lbs
LD 50/30 S, 12 bar* 1500011402	61.5x30x2 24x12x0.8	50x30 20x12	–	154 5.4	4.6 10.1	21.9 48.3

* Subject to change without notice

Special leak sealing bags:

Operating pressure: 12 bar (174 psi)

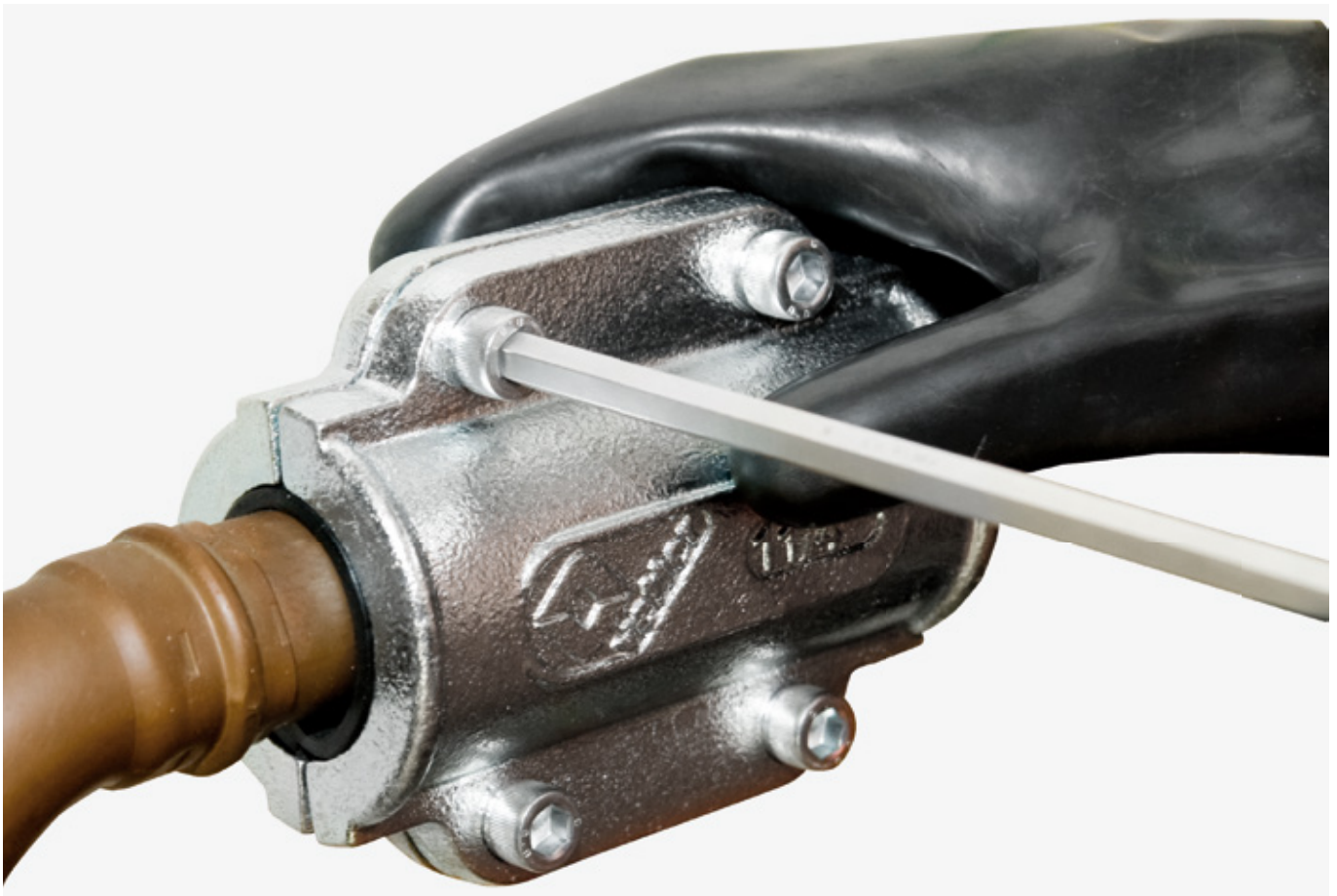
Test pressure: 18 bar (261 psi)

Pipe sealing sleeves

Permanent sealing of leaks in high-pressure pipes

- › Up to 16 bar (232 psi) counterpressure
- › Also suitable for continuous use
- › For pipes from ½" to 4"
- › With practical test template

Vetter pipe sealing sleeves seal high-pressure pipes up to 16 bar (232 psi) reliably, quickly and purely mechanically, and also withstand aggressive liquids. Simply attach the seal (EPDM) and sleeve loosely next to the leak, push the sleeve over the leak and tighten the four hexagon socket screws using the tool supplied. With our pipe sealing sleeve set you are equipped for leaks in all common pipe sizes from DN 15 (15 mm/0.6 inch) to DN 100 (100 mm/3.9 inch).



Technical data*

Pipe sealing sleeves	Nominal size	for diameter	Size (L x W x H)	Weight, approx.
	mm/inch	DN	mm/inch	kg/lbs
1/2" 1500002301	21.3 0.8	15	133x73x40 5.2x2.9x1.6	1.5 3.3
3/4" 1500002401	26.9 1.1	20	133x80x50 5.2x3.1x2	1.6 3.5
1" 1500002501	33.7 1.3	25	133x90x55 5.2x3.5x2.1	1.8 3.9
1 1/4" 1500002601	42.4 1.7	32	133x105x52 5.2x4.1x2	1.8 3.9
1 1/2" 1500002701	48.3 1.9	40	133x110x52 5.2x4.3x2	2.3 5.1
2" 1500002801	60.3 2.4	50	133x125x80 5.2x5x3.1	2.4 5.3
2 1/2" 1500002901	76.1 3	65	133x135x100 5.2x5.3x3.9	3.6 7.9
3" 1500003201	88.9 3.5	80	133x138x110 5.2x5.4x4.3	3.6 7.9
4" 1500003301	114.3 4.5	100	135x190x142 5.2x7.5x5.6	4 8.8

* Subject to change without notice

Pipe sealing sleeves:

Set weight: approx. 23.3 kg (52.3 lbs)

Pipe sealing sleeves set

- › Set contains 1 each of all 9 sleeve sizes
- › Allen screwdriver
- › Transport case, 400 x 300 x 183 mm (16x12x7 inch)
- › Test template

1500002201



Leak drainage bags (1.5 bar/21.75 psi)

Easy sealing and draining of hazardous materials

- › Sealing and discharging
- › Sealing area of 50 x 30 cm (20 x 12 inch)
- › for containers from 50 cm (20 inch diameter)
- › Up to 1 bar (14.5 psi) counterpressure

Vetter leak drainage bags seal leaks quickly and enable you to drain away the hazardous material reliably via an acid drain hose. They are always used when draining via the opening provided is not possible or only with a great deal of technical effort. This can be necessary, for example, if drain openings are in a high place or in the event of a pump failure. Simply use the pre-installed belts to strap on the Vetter leak drainage bag in the place of use. This enables the bag to be used on many different surfaces. Then inflate it quickly and easily using the foot pump (included in the supply). After a few strokes you have already sealed the leak and can start to safely drain the hazardous material. Use the pneumatic collection containers especially developed by Vetter to collect the hazardous material (P. 44).



Drainage space size 40 x 20 x 3.5 cm (16 x 9 x 1.4 inch)

Technical data*

The drainage bag has a drainage space of 40 x 20 x 3.5 cm (16 x 8 x 1.4 inch).

Leak drainage bags	Size (L x W x H) cm/inch	Sealing area cm/inch	Sealing pressure mWC/psi	Air requirement litre/cu. ft.	Weight Single bag, approx. kg/lbs	Weight Set, approx. kg/lbs
DLD 50/30 1500006001	62 x 30 x 6 24 x 12 x 2.4	50 x 30 20 x 12	10 14.5	2.8 0.1	8.2 18.1	31.9 70.3

* Subject to change without notice

Leak drainage bags:

Operating pressure: 1.5 bar (21.75 psi)

Test pressure: 1.95 bar (28.5 psi)

Leak drainage bag set

- › Leak sealing bag, Type DLD 50/30, 1.5 bar (21.75 psi)
- › Foot pump with safety valve, 1.5 bar (21.75 psi)
- › Inflation hose, 1.5 bar (21.75 psi), 10 m (32 ft.), blue
- › 4 tension and extension belts with ratchet, 10 m (32 ft.), orange and blue
- › Shut-off unit, Size D, stainless steel
- › Acid drain hose, 5 m (16.4 ft.), with D-suction coupling V4A
- › Transport case, 800 x 600 x 220 mm (32 x 24 x 9 inch)

1500005902



Optimally adapts to the surface



In operation ...

- › for sealing and draining hazardous materials
- › in tank trucks and wagons
- › in large drums and pipes



Good reasons:

- › acid drain hose with shut-off unit for controlled drainage
- › gentle pressure distribution across the entire bag width
- › inflated quickly using a foot pump



Guaranteed quality:

- › individually tested (inspection seal)
- › stainless steel connections

Seal leaks reliably and divert the hazardous material at the same time.

Vacuum leak drainage bags

Autonomous draining of dangerous materials within seconds

- › Attaches itself quickly by suction
- › Fixing without belts
- › Drainage space with 20 cm(8 inch) diameter
- › For large containers and storage tanks

Vacuum leak drainage bags seal leaks in clean, smooth or slightly curved surfaces in seconds. By using a vacuum, you do not need any tension belts and can thus intervene directly in an emergency. This saves time-consuming preparations. The optimised, streamlined bag attaches itself around the leak tightly by suction and thus prevents further leaking of liquids or gases. You drain hazardous substances through the bag, quickly and safely – for example, into our versatile collection containers.



Drainage space designed for optimised flow

Technical data*

Vacuum leak drainage bags	Size Ø cm/Ø inch	Drainage space Ø cm/Ø inch	Vacuum bar/psi	Air requirement Litre/min/ cu. ft./min.	Weight Single bag, approx. kg/lbs	Weight Set, approx. kg/lbs
DLD 50 VAC 1500007501	50 19.7	20 7.9	0.45 6.5	200 7	5.2 11.5	15.5 34.2

*Subject to change without notice

Vacuum leak drainage bags:

Vacuum generator operating pressure: 6 bar (87 psi)

Vacuum leak drainage bag set

- › Vacuum leak drainage bag, Type DLD 50 VAC
- › Acid drain hose, 5 m (16.4 ft.), with D-suction coupling V4A
- › Shut-off unit, Size D, stainless steel
- › Transport case, 800x600x120 mm (32x24x4.7 inch)

1500019700



Small unevenness is not a problem



In operation ...

- › for sealing and controlled drainage of hazardous materials
- › on smooth surfaces
- › on large containers and storage tanks



Good reasons:

- › no belts necessary for fixing
- › vacuum generator with pressure gauge on the bag
- › best flow results due to round shape
- › acid drain hose with shut-off unit



Guaranteed quality:

- › individually tested (inspection seal)
- › stainless steel connections



Flange drainage bags

Precise-fitting system for safe and reliable drainage at flanges

- › Completely surrounds the flange
- › For pipes from DN 50 to DN 100
- › For many pipe connections
- › Sealing pressure 1 bar (14.5 psi)

Flanges are critical pipe sections, at which use of conventional sealing bags is rarely useful. Vetter flange drainage bags safely and reliably seal difficult leaks in all types of flanges. Simply lay the bag around the flange and pipe, close the zip along its complete length and inflate the sleeves. Minor differences or unevenness on the pipe are easily levelled out by the gel pads supplied. Everything is immediately leaktight. You then drain hazardous liquids in a controlled and safe way – for example, into our versatile collection containers. The flange drainage bags in the three sizes available cover standard pipes and flanges.



Leak in a pipe flange

Technical data*

Uniform sealing pressure of 10 mWC (14.5 psi)

Flange drainage bags	External size Ø cm/Ø inch	Length cm/inch	Air requirement at 1.5 bar litre/cu. ft.	Weight Single bag, approx. kg/lbs	Weight Set, approx. kg/lbs
DN 50 1500006600	21 8.3	90 35	1.25 0.1	3.1 6.8	19 41.9
DN 80 1500019200	21 8.3	90 35	1.25 0.1	3.1 6.8	19 41.9
DN 100 1500023400	25 9.8	92 36	1.25 0.1	3.5 7.7	19.6 43.2

* Subject to change without notice

Flange drainage bags:

Operating pressure: 1.5 bar (21.75 psi)

Test pressure: 1.95 bar (28.5 psi)

All sets are available with:

- › Inflation hose, 1.5 bar (21.75 psi), 10 m (32 ft.), blue
- › Foot pump with safety valve, 1.5 bar (21.75 psi)
- › Acid drain hose, 5 m (16.4 ft.), with D-suction coupling V4A
- › Transport case, 800 x 600 x 220 mm (32 x 24 x 8.6 inch)

Flange drainage bag sets

Unless stated otherwise, all flange drainage bag sets are supplied in a version with 1.5 bar (21.75 psi) and 4 gel sealing pads.

DN 50	1500019600
DN 80	1500019900
DN 100 (6 gel sealing pads)	1500023700



In operation ...



- › for sealing and controlled drainage of hazardous materials on flanges and pipe connections



Good reasons:

- › gas and liquid-tight zip
- › acid drain hose with shut-off unit
- › gel pads for levelling out unevenness included in the scope of supply



Guaranteed quality:

- › individually tested (inspection seal)
- › stainless steel connections

Pipe sealing bags and bypass bags FS

Seal or bypass pipes reliably

- › For pipes up to 140 cm (55 inch) diameter
- › good chemical resistance
- › Withstands counterpressure up to 5 mWC (7.25 psi)
- › Very high temperature resistance

We developed the Vetter FS pipe sealing bag and FS bypass bag especially for fire services. With the Vetter FS pipe sealing bag you stop hazardous substances very quickly. And with the Vetter bypass bag you impound dangerous liquids or gases and drain them via a fire hose in a controlled way. To this end, both bags individually adapt to pipe diameters up to 140 cm (55 inch). They are also particularly chemical and heat resistant. In this way you reliably protect sewage systems and groundwater from serious contamination.



FS pipe sealing bag connection



FS bypass bag connection with Storz coupling



FS pipe sealing bag



FS bypass bag

Technical data*

FS pipe sealing bag	Pipe diameter <i>cm/inch</i>	Diameter <i>cm/inch</i>	Cylinder length <i>cm/inch</i>	Total length <i>cm/inch</i>	Air requirement <i>litre/cu. ft.</i>	Weight, approx. <i>kg/lbs</i>
RDK 7/15 FS 1482000700	7–15 3–6	6.8 2.7	30 12	34.5 13.6	9.5 0.3	0.5 1.1
RDK 10/20 FS 1482000800	10–20 4–8	9 3.5	51 20	55.5 21.9	28.8 1	0.9 2
RDK 20/40 FS 1482000900	20–40 8–16	19.5 7.7	65.5 25.8	70.5 27.8	160 5.7	3.5 7.7
RDK 30/60 FS 1482001000	30–60 12–24	29.5 11.6	73.5 28.9	78 30.7	362.5 12.8	7.3 16.1
RDK 50/100 FS 1482001100	50–100 20–40	45 17.7	111 43.7	117 46.1	1,525 53.8	16.5 36.4
RDK 80/140 FS 1482001200	80–140 32–55	78.5 30.9	181 71.3	185.5 73.0	3,125 110.3	48 105.8

* Subject to change without notice

FS bypass bag	Bypass size	Pipe diameter <i>cm/inch</i>	Diameter <i>cm/inch</i>	Cylinder length <i>cm/inch</i>	Total length <i>cm/inch</i>	Air requirement <i>litre/cu. ft.</i>	Weight, approx. <i>kg/lbs</i>
BK 7/15 FS 1483002200	1"	7–15 3–6	6.8 2.7	30 12	36 14.2	6.4 0.2	3.4 7.5
BK 10/20 FS 1483001400	2 1/2"	10–20 4–8	9.7 3.8	48.5 19.1	55.5 21.9	22.5 0.8	3.4 7.5
BK 20/50 FS 1483001500	4"	20–50 8–20	19.5 7.7	55 21.7	67 26.4	157.5 5.6	9.4 20.7
BK 50/120 FS 1483001600	4"	50–120 20–47	45 17.7	92 36.2	94 37	1,420 50.1	52.2 115.1
BK 80/140 FS 1483003400	2"	80–140 32–55	78.5 30.9	181 71.3	193 76	3,075 108.6	69.0 152.2

* Subject to change without notice

FS pipe sealing bags and FS bypass bags:
Operating pressure: 1.5 bar (21.75 psi)

Test pressure: 1.95 bar (28.5 psi)
Test counterpressure: 5 m water column (7.25 psi)

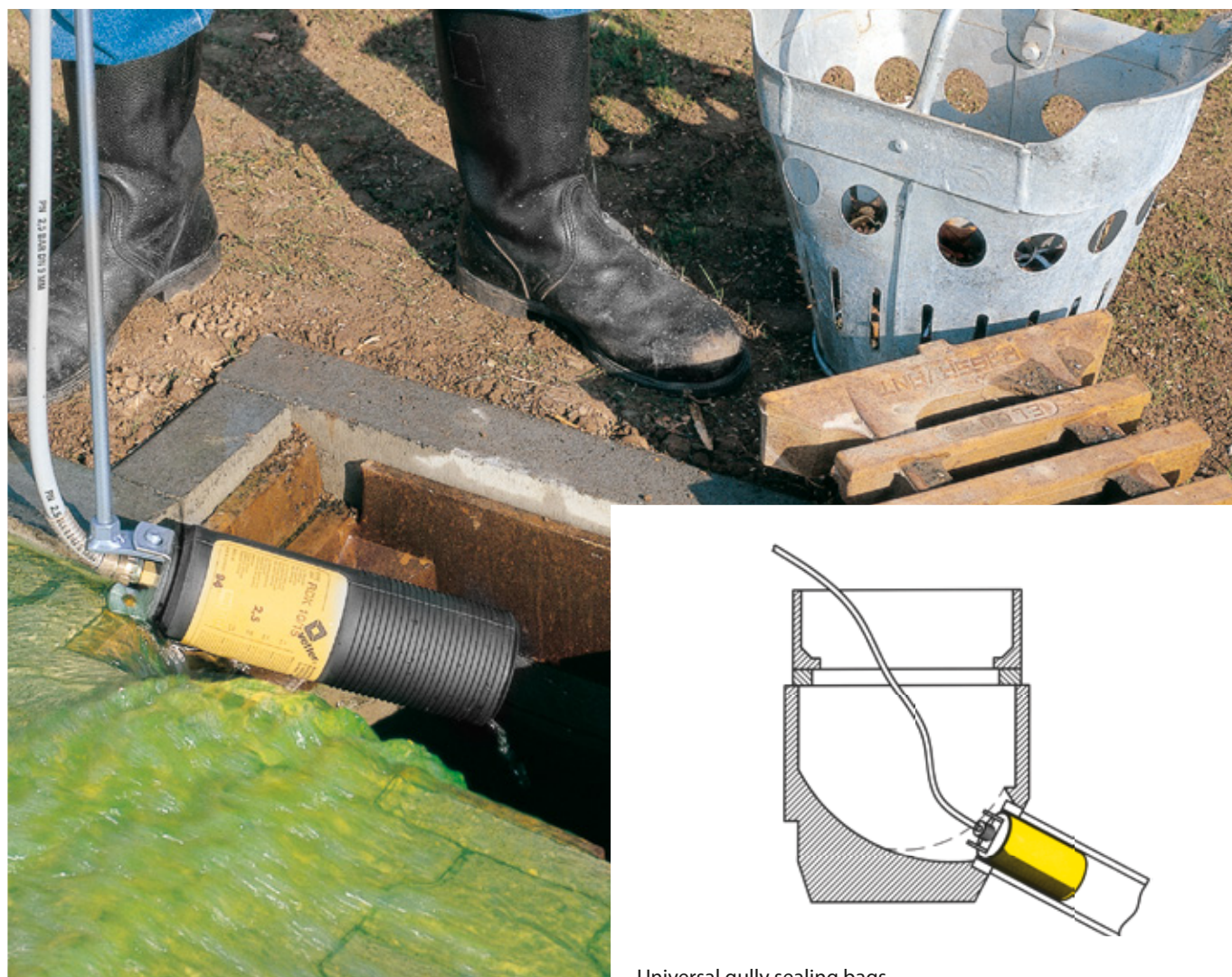
Universal gully sealing bags

Protect sewage systems and groundwater from hazardous substances

- › For gullies up to 30 cm (12 inch) diameter
- › In a practical transport case
- › For a counterpressure up to 10 mWC (14.5 psi)
- › Good oil and chemical resistance

Stop dangerous liquids from finding a way into the sewage systems or groundwater: Vetter gully sealing bags are ready for use immediately, are easy to position and are absolutely reliable. With the help of a guide rod, you position the universal gully sealing bag directly in the gully outlet. You then inflate the bag quickly and easily using the foot pump (included in the scope of supply). You can then use the sewer inlet as a pump sump to pump away the liquid. You can purchase the universal gully sealing bag in the basic set for one gully size or as a premium set for two gully sizes.

New: Positioning rod made of V2A!



Universal gully sealing bags

Technical data*

Universal gully sealing bags	Gully outlet, min.–max. cm/inch	Cylinder length cm/inch	Total length cm/inch	Diameter cm/inch	Air requirement at 2.5 bar litre/cu. ft.	Weight approx. kg/lbs
10–15 1470000200	10–15 4–6	25 9.8	28.5 11.2	9 3.5	13 0.5	1.5 3.3
15–30 1470001300	15–30 6–12	35 13.8	39 15.4	14.5 5.7	50 1.8	2.2 4.9

* Subject to change without notice

Universal gully sealing bags:

Operating pressure: 2.5 bar (36.25 psi)

Test pressure: 3.25 bar (47.1 psi)

Test counterpressure: 10 m water column (14.5 psi)

Set weight:

Basic set: approx. 13 kg (28.7 lbs)

Premium set: approx. 18 kg (35.3 lbs)

Premium set

- › 2 universal gully sealing bags, Type 10/15, 2.5 bar (36.25 psi)
- › 2 universal gully sealing bags, Type 15/30, 2.5 bar (36.25 psi)
- › Positioning rod, interchangeable, V2A (L: 1.5 m/58.5 inch)
- › Foot pump with safety valve, 2.5 bar (36.25 psi)
- › Transport case, 800x600x220 mm (32x24x9 inch)

1470002400



Basic set

- › 4 universal gully sealing bags, Type 10/15, 2.5 bar (36.25 psi)
- › Positioning rod, interchangeable, V2A (L: 1.5 m/ 58.5 inch)
- › Foot pump with safety valve, 2.5 bar (36.25 psi)
- › Transport case, 600x400x233 mm (24x16x7 inch)

1470002300



You can only seal up to 30 cm (12 inch) diameter with the premium set!

Compact gully sealing bags

Seal sewage systems and gullies reliably

- › For gullies up to 80 cm (32 inch) diameter
- › Ready to use in transport case
- › For a counterpressure up to 2 mWC (2.9 inch)
- › Good oil and chemical resistance

With the Vetter compact gully sealing bag you seal gullies including sewer inlet, quickly and easily. To do this, position the bag in the gully (up to 80 cm/32 inch diameter) and use the compressed air cylinder supplied to inflate it. The bags easily withstand a counterpressure of up to two metre water column head.



Technical data*

Compact gully sealing bags	Gully outlet, min.–max. cm/inch	Cylinder length cm/inch	Total length cm/inch	Diameter cm/inch	Air requirement at 0.5 bar (7.25 psi) litre/cu. ft.	Weight, approx. kg/lbs
30–50 1460000101	30–50 12–20	41 16	46 18.1	29.5 11.6	128 4.5	3.7 8.2
50–80 1460001400	50–80 20–32	41 16	46 18.1	45 17.7	426 15	8.3 18.3

* Subject to change without notice

Compact gully sealing bags:

Operating pressure: 0.5 bar (7.25 psi)

Test pressure: 0.65 bar (9.4 psi)

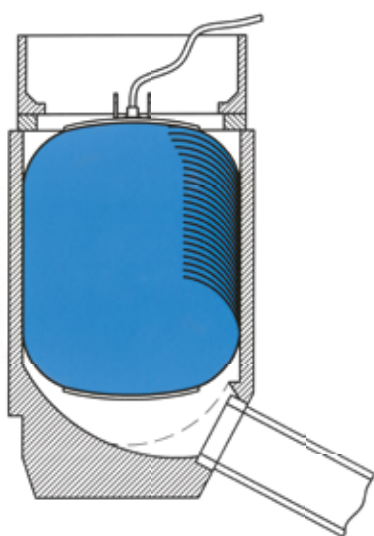
Test counterpressure: 2 m water column (2.9 psi)

Set weight: approx. 11.7 kg (25.8 lbs)

Compact set

- › Compact gully sealing bags, Type 30/50, 0.5 bar (7.25 psi)
- › Inflation and safety fitting
- › Compressed air cylinder, 1 l/200 bar (0.04 cu. ft./2,900 psi) (unfilled)
- › Transport case, 600x400x233 mm (24 x 16 x 8.9 inch)

1460001001 | 1460002400 (USA)



Compact gully sealing bags

The compressed air cylinder is included in the scope of supply.



In operation ...

- › for leaking chemicals
- › in case of floods
- › for closing off gullies



Good reasons:

- › the enclosed compressed air cylinder (refillable) is sufficient to inflate 2 bags
- › inflation fitting can be uncoupled for multiple use
- › retaining strap for lowering and connecting



Guaranteed quality:

- › individually tested (inspection seal)
- › ozone resistant
- › good oil and chemical resistance

Pneumatic collection containers

Collect and store large quantities of hazardous materials

- › Stable design
- › erected in seconds
- › for collecting up to 5,000 litres (177 cu. ft.)
- › High chemical resistance

With Vetter pneumatic collection containers, you are optimally equipped if large quantities of contaminated or hazardous liquids have to be temporarily stored on site. The containers are erected in seconds and thus give you a valuable time advantage. They form secure reservoirs, which you can then simply drain by pumping and dispose of the drained liquid.

There is a choice of two materials for the pneumatic collection containers: The standard material used is PVC. It is resistant, for example, to nitric acid, hydrochloric acid and sodium hydroxide solution. We optionally use Alcryn to make collection containers for use with fuels or oils (e.g. ASTM oil No. 1–3, transmission oil, kerosene, petrol, etc.).



Collect up to 5,000 litre (177 cu. ft.) liquid

Technical data*

Uniform height of 95 cm (37 inch).

Pneumatic collection containers	Size internal cm/inch	Size external cm/inch	Air requirement at 0.5 bar litre/cu. ft.	Capacity litre/cu. ft.	Weight Set, approx. kg/lbs	Folded size (LxWxH) cm/inch
PAB 3,000 litre 1510000101	Ø 225 Ø 88	Ø 265 Ø 104	705 25	3,000 106	33 73	110x72x30 43x28x12
PAB 5,000 litre 1510004001	Ø 280 Ø 110	Ø 320 Ø 126	843 30	5,000 177	44 97	110x85x40 43x33x16

* Subject to change without notice

Pneumatic collection containers:

Operating pressure: 0.5 bar (7.25 psi)

Test pressure: 0.65 bar (9.4 psi)

The collection container sets are available with:

- › Collection container with PVC internal container
- › Pressure regulator, 200/300 bar (2,900/4,350 psi)
- › repair material
- › storage bag

Internal containers are also available in particularly oil-resistant Alcryn on request.



In operation ...



- › for collecting and temporarily storing environmentally harmful liquids



Good reasons:

- › self-erecting support frame
- › internal container with different resistance also available individually
- › good stability



Guaranteed quality:

- › individually tested (inspection seal)
- › high resistance
- › integrated safety valve prevents over-inflation of the support frame

Pneumatic collection tubs

Vehicle decontamination with large capacity

› erected in seconds

› good resistance

Vetter pneumatic collection tubs can be used in versatilely in many way. In the event of major events, such as epidemics, you decontaminate safely and in a controlled way. Vetter pneumatic collection tubs are also the right choice in case of vehicle leaks, e.g. tankers: Inflate the tub within seconds and then simply push it under the vehicle concerned at the accident site. In this way you gain valuable time in which to seal the leak itself.



Technical data*

Pneumatic collection tubs made of PVC	Size internal m/inch	Size external m/inch	Height m/inch	Air requirement at 0.3 bar litre/cu. ft.	Capacity litre/cu. ft.	Weight Set, approx. kg/lbs	Folded size, approx. m/inch
Collection tub** 1513000501	1.9 x 1.9 75 x 75	2.5 x 2.5 98 x 98	20 8	404 14	720 25	17 37	140 x 30 55 x 12

* Subject to change without notice | ** Made of PVC

Pneumatic collection tubs:

Operating pressure: 0.3 bar (4.35 psi)

Test pressure: 0.39 bar (5.7 psi)

The square collection tub is supplied in a robust packing cover.

Additional equipment

Hasmat container 100 litre (3.5 cu. ft.)

- › Stackable collection/storage container with carry loops
- › Smooth internal and external surfaces for easy cleaning
- › Incl. clamping ring cover
- › diameter: 59 cm (24 inch), height: 54 cm (21 inch),
- › Weight: approx. 7.5 kg (16.5 lbs)

4000000200



Hazardous material scoop

- › For scooping shallow liquid pools
- › Smooth internal and external surface with U-shaped handle
- › Dimensions (L x W x H): 31 x 33 x 13 cm (12 x 13 x 5 inch),
- › Weight: approx. 1 kg (2.2 lbs)

4000002600



In operation ...

- › during contagion and epidemics, e.g. bird flu
- › for collecting environmentally harmful liquids
- › as additional protection for leak seals



Good reasons:

- › self-erecting support frame



Guaranteed quality:

- › individually tested (inspection seal)
- › high chemical resistance
- › integrated safety valve prevents over-inflation of the support frame

Water tanks

Space-saving storage of fresh and contaminated water

- › Small folded size
- › Extremely robust material
- › Capacity of 500–5,000 litre (17.6–172 cu. ft.)
- › With Storz-C connection

In our self-erecting closed or open water tanks you can store large quantities of water or contaminated firefighting water safely and reliably after accidents, storms or fire deployments. Some Vetter water tanks can hold one hundred times their folded size. Fill and drain both tanks quickly and easily via a very robust anodised 2" aluminium flange with impact-resistant PVC ball valve and Storz C connection.



New with Storz C

Closed water tank (GWT): Reinforced PVC gives the closed water tank maximum stability. An opening on the top of the tank acts as venting or additional filling option. The closed water tank is available with optional corner brackets for safe truck transport to move the tank when it is filled.



New with Storz C

Open water tank (OWT): The open water tank made of tear-resistant PVC erects itself automatically thanks to the rising ring. The scope of supply always includes a repair kit in a practical storage bag.

Corner bracket set

Enter the number of corner bracket sets in your order, if you want to transport filled tanks safely on a truck loading space. You will then receive a tank with brackets already mounted.

1510009700



Technical data*

Water tanks, open** – temperature resistant from –30 °C to +70 °C (–22 °F and +158 °F).

Water tanks, open	Diameter (bottom) <i>m/inch</i>	Diameter (opening) <i>m/inch</i>	Height <i>m/inch</i>	Weight, approx.*** <i>kg/lbs</i>	Folded size <i>cm/inch</i>
OWT 1,000 litre 1510010300	1.76 69.3	0.7 27.6	0.8 31.5	12 26.5	70x45x45 27.6x17.7x17.7
OWT 3,000 litre 1510010400	2.64 103.9	1.4 55.9	0.9 35.4	21 46.3	115x64x33 45.3x25.2x13
OWT 5,000 litre 1510010500	3.04 119.7	2.0 78.7	1 39.4	27 59.5	115x64x33 45.3x25.2x13

* Subject to change without notice | ** Supplied incl. storage bag, Connection: Storz C | *** Weight incl. storage bag

Water tanks, closed** – temperature resistant from –30 °C to +70 °C (–22 °F and +158 °F).

Water tanks, closed	Dimensions (L x W, empty) <i>m/inch</i>	Height <i>m/inch</i>	Weight, approx. <i>kg kg/lbs</i>	Folded size <i>cm/inch</i>
GWT 500 litre 1510008300	1.5 x 1.2 59.1 x 47.2	0.3 11.8	9 19.8	70x45x45 27.6x17.7x17.7
GWT 1,000 litre 1510008400	2.1 x 1.5 82.7 x 59.1	0.35 13.8	12 26.5	70x45x45 27.6x17.7x17.7
GWT 3,000 litre 1510008600	3.4 x 2.3 133.9 x 90.6	0.45 17.7	23 50.1	70x45x45 27.6x17.7x17.7
GWT 5,000 litre 1510008700	3.5 x 3.1 137.8 x 122.1	0.6 23.6	30 66.1	115x64x33 45x25x13

* Subject to change without notice | ** Connection: Storz C



In operation ...

- › for storing and transporting liquids
- › for removing contaminated firefighting water



Guaranteed quality:

- › made of strong, resistant PVC
- › anodised 2" aluminium flange
- › impact-resistant PVC ball valve



Good reasons:

- › self-erecting without support frame
- › quickly ready for use
- › no accessories necessary
- › very stable and robust

Accessories

1.5 bar (21.75 psi)

Inflation hose, 1.5 bar (21.75 psi)

- › 10 m (32 ft.)
- › Blue

0150000101



Inflation and safety hose, 1.5 bar (21.75 psi)

- › 10 m (32 ft.)
- › Blue

0150002201



Fitting control

- › Control device, 1.5 bar (21.75 psi)

Dual 0150001801



Single 0150002101



Foot pump, 1.5 bar (21.75 psi)

- › With safety valve

0150002800



12 bar (174 psi)

Inflation hose, 12 bar (174 psi)

- › 10 m (32 ft.)
- › Green

1500011302



Single control device, (174 psi)

- › Fitting control

1200001900



Inflate with cylinder

Compressed air cylinder

- › 1 l/200 bar (0.04 cu. ft./2,900 psi), steel, 5/8" IG, 200 l (7.1 cu. ft.)

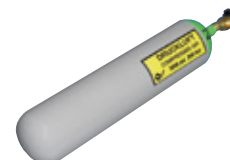
1600010100

- › 6 l/300 bar (0.21 cu. ft./4,350 psi), steel, 5/8" IG, 1.800 l (63.5 cu. ft.)

1600010800

- › 9 l/300 bar (0.32 cu. ft./4,350 psi), composite, 5/8" IG, 2.700 l (95.3 cu. ft.)

1600019900



Inflate with cylinder

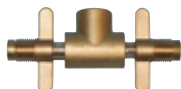
Dual connector

- › For simultaneous connection of 2 compressed air cylinders
- › 5/8" thread

➤ 200 bar (2,900 psi): 1600008400



➤ 300 bar (4,350 psi): 1600009100



Regulator

- › 200/300 bar (2,900/4,350 psi)
- › With max. outlet pressure, 14 bar (203 psi)



➤ 1600031900 | 1600032000 (USA)

Inflate with alternative air source*

Air supply hose

- › 10 m (32 ft.)
- › With shut-off valve
- › Green



➤ 1600013601

Truck tyre valve

➤ 1600008000



Truck tyre inflation system adapter

➤ 1600007800



Truck tyre valve connector

➤ 1600012900



Truck brake line

Truck compressed air connector

- › 2-circuit system

➤ 1600007500



Sealing-off cap

➤ 1600012600



Stationary compressed air system

Adapter for stationary compressed air system

➤ 1600008200



Pre-pressure regulator

- › Max. inlet pressure, 16 bar** (232 psi)

➤ 1600014500



* You require the green supply hose for all air sources except the compressed air cylinder.

** Note: If the outlet pressure of the compressed air system exceeds the allowable inflation pressure of the controller, the adapter must be replaced with a pre-pressure regulator.

Accessories

Compressor

Adaptor for construction site compressor

➤ 1600012000



Adaptor for portable compressor

➤ 1600008200



Inflate using Vetter hand and foot pump

Hand pump

➤ 520 ccm/stroke

➤ 1600008700



Foot pump

➤ 420 ccm/stroke

➤ 1600009400



Adapter set

The complete set with all adapters and valves listed below is available under the following article number:

➤ 1600012501

The set contains:

- 2 x air supply hose, 10 m (32 ft.), green with shut-off valve
- Truck tyre inflation system adapter
- Truck tyre valve
- Truck tyre valve connector
- Truck compressed air connector
- Sealing-off cap
- Adaptor for construction site compressor
- Adapter for stationary compressed air system
- Bag 18 x 45 cm (7 x 17.7 inch)



Vetter Resistance List

Convince through transparency

Please note: The data given in our resistance list are based on laboratory tests and empirical values. An elongated material reacts more quickly to chemicals than when it is at rest. This means, the greater the elongation or strain, the lower the chemical resistance. In addition, the resistance also depends on the material thickness, which affects diffusion. Other variable factors, for example, temperature, intensity or exposure period also affect resistance.

The values given can therefore differ in a specific operational scenario and are only given here as indicative values. We will be pleased to provide material samples for you to determine the chemical resistance yourself.

Key

- + resistant

– not resistant
- o conditionally resistant

n.d. no data

Temperature resistance				
Products	Cold resistant	Flexible at lowtemperatures	Long-term heat resistance	Short-term heat resistance
Leak sealing bags	-40 °C	-20 °C	+90 °C	+115 °C
Mini leak sealing bags				
Leak sealing lance				
Leak sealing bandages				
Leak drainage bags				
Vacuum leak drainage bags				
Flange drainage bags				
Pipe sealing and bypass bags FS				
Universal and compact gully sealing bags				
Water tanks	-30 °C	--	+70 °C	--
Collection containers and tubs				
Rubber support frame	-40 °C	--	+70 °C	--
PVC support frame	-30 °C	--	+70 °C	--
PVC inlaid basins	-25 °C	--	+100 °C	--
Alcryn inlaid basins	-25 °C	--	+70 °C	--
High-pressure leak sealing system (sealing hoses)	-30 °C	--	--	+80 °C
Pipe sealing sleeves (seal)	-40 °C	--	+80 °C	--
Rubber hoses	-40 °C	-30 °C	+90 °C	--
Storage bags and tarpaulin covers	-20 °C	--	+55 °C	--
Acid protective covers				
Controllers: Plastic, aluminium and fitting design				

Material list		
Products	Material	Substrate
Flange drainage bags	CR	CR
Leak sealing lance		
Leak and mini leak sealing bags	CR	Nylon cord
Leak sealing bandages		
Universal and compact gully sealing bags		
Pipe sealing and bypass bags FS	CR	Nylon cord / Aramid
Collection container (support frame)	CR	Polyester
Water tanks	PVC	Polyester
Collection tray (support frame)		
Storage bags and tarpaulin covers		
Acid protective covers		
Inlaid basin collection containers		
Inlaid basin collection tubs		
Inlaid basin collection containers	Alcryn	Polyester
Inlaid basin collection tubs		
Leak sealing lance	NR	Nylon cord
Leak drainage bags		
Vacuum leak drainage bags		
High-pressure leak sealing system (sealing hoses)	NBR	NBR
GRP articles	GRP	Glass fibre mats
Inflation hoses and air supply hoses (outside)	EPDM	Polyester

Resistance list*

Material designation	CR	PVC	NR	NBR	TPU hazmat tanks, outside	TPU Hazmat tanks, inside	GRP	PU	EPDM
Acetone	o	-	+	-	n.d.	n.d.	-	+	-
Acetylene	+	o	+	+	n.d.	n.d.	+	o	-
Alum (aqueous)	+	+	+	n.d.	n.d.	n.d.	+	+	-
Aluminium chloride	+	o	+	+	o	o	+	o	+
Aniline	-	-	n.d.	-	-	-	o	+	n.d.
ASTM oil 1	o	n.d.	-	+	n.d.	n.d.	+	+	-
Petrol	o	-	-	o	+	+	+	-	n.d.
Benzene	-	-	-	-	-	-	o	-	-
Boracic acid	+	+	+	+	o	+	n.d.	o	+
Bromine (moist)	-	-	-	-	n.d.	n.d.	o	o	-
Butyric acid	-	o	-	-	-	-	n.d.	o	n.d.
Chlorine gas (moist)	-	-	-	-	n.d.	n.d.	+	o	n.d.
Chlorine (wet)	o	n.d.	-	-	n.d.	n.d.	+	-	o
Diesel fuel	o	o	-	o	n.d.	n.d.	n.d.	+	-
Iron chloride	+	+	+	+	+	+	+	o	+
Petroleum	o	o	-	+	+	+	+	+	-
Acetic acid	o	o	+	+	-	-	+	-	o
Fatty acids	+	n.d.	o	o	n.d.	n.d.	+	o	-
Formaldehyde	+	n.d.	+	+	n.d.	n.d.	+	o	+
Glucose	+	+	+	o	+	+	+	+	+
Heating oil	+	+	-	o	n.d.	n.d.	+	o	-
Potassium chloride	+	o	+	o	+	+	+	o	+
Calcium chloride	+	o	+	o	o	+	+	o	+
Calcium nitrate	+	n.d.	+	n.d.	n.d.	n.d.	n.d.	+	+
Carbon dioxide	+	+	+	+	n.d.	n.d.	+	+	+
Carbon monoxide	+	-	+	+	n.d.	n.d.	n.d.	+	+
Copper sulphate	+	o	+	+	o	o	+	o	+
Glue	+	n.d.	+	+	n.d.	n.d.	+	o	+
Seawater	+	o	+	+	-	+	+	+	n.d.
Methyl chloride	-	o	-	-	-	-	n.d.	-	o
Mineral oils	+	+	-	+	+	+	+	+	-
Sodium carbonate	+	-	+	+	n.d.	n.d.	+	+	-
Ozone	+	n.d.	-	o	+	+	+	o	+
Paraffin	+	n.d.	-	o	+	+	+	+	-
Perchloric acid	o	n.d.	n.d.	o	-	-	n.d.	-	+
Phenol (aqueous)	-	-	-	-	n.d.	n.d.	o	o	+
Phosphoric acid (concentrated)	-	+	-	+	n.d.	n.d.	n.d.	-	-
Mercury	+	o	+	n.d.	+	+	+	+	+
Nitric acid (fuming)	-	+	-	-	-	-	n.d.	-	-
Sulphur dioxide (dry)	-	o	o	o	n.d.	n.d.	n.d.	o	n.d.
Sulphuric acid (50%)	+	o	-	+	-	o	+	-	-
Nitrogen	+	n.d.	+	o	n.d.	n.d.	n.d.	+	+
Carbon tetrachloride	-	o	-	o	n.d.	n.d.	n.d.	o	-
Animal fats	+	n.d.	-	o	+	+	n.d.	o	+
Toluene	-	-	-	-	-	-	o	-	-

* Subject to change without notice | + resistant | o conditionally resistant | - not resistant | n.d. no data



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