

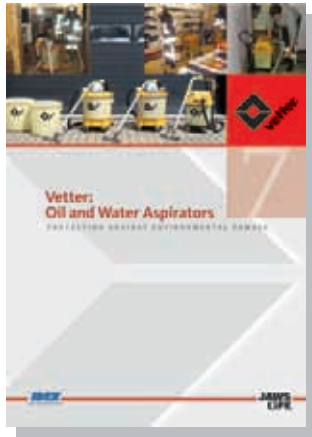
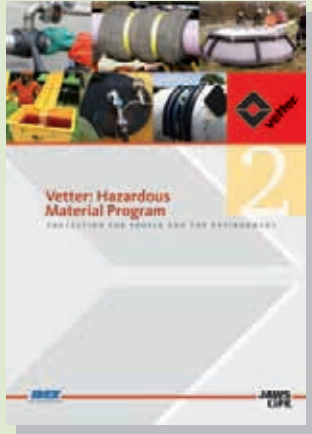


Vetter: Pneumatic Tents

VARIABLE, VERSATILE, RELIABLE



Edition 01/2007



Other Vetter product catalogues being prepared:

Vetter: Industry

Vetter: Mobile Inspection Service

CONTENTS

Pneumatic Tents

Universal tents

2

Pneumatic Tents

Pneumatic Decontamination Tents and Decontamination Showers

Decontamination tents

6

Mass Decontamination tent

6

Decontamination Shower

10

Compact Shower

10

Pneumatic Decontamination Tents and Decontamination Showers

System Accessories

12

System Accessories

Quick Overlook of Equipment

15

Quick Overlook of Equipment

Resistance charts and material charts

16

Resistance charts and material charts

Vetter Pneumatic Universal Tents



Tent with detachable floor
(quickly released using Velcro connection)

VETTER UNIVERSAL TENTS ARE VERSATILE IN APPLICATION

The range of application is almost inexhaustible:

- as weather protection tent for changing into working clothes during accidents with hazardous materials
- as an awning to keep rain off hazardous materials during recovery operations, e.g. magnesium as bulk material
- as a command center for aid organizations
- as weather protection for the weapon demolition teams
- as screening for criminal investigations by the police
- as first aid tent, center for injured people, temporary care of patients
- as catering tent during large operations
- assembly of a triage

The tents are designed so that transportation, assembly and disassembly can be made quickly with as few staff as possible. This means: self-erecting support frame, low weight, compact package size and easy handling.

There are standard sized tents with various dimensions ranging from 12 m² to 40 m²/129 sq ft to 431 sq ft. However, other areas are possible on request.

The tents PZ 30 and PZ 40 are equipped with two air chambers.

In addition to the standard package there are also accessories available (refer to tent accessories): accessories for inflation and deflation, lighting, heating equipment, air conditioners, voltage generators, water heating equipment etc.

Advantages

- assembled in less than 200 secs and can be used for two days without having to be re-filled
- detachable floor, front and rear sides
- coupling of additional tents using Velcro strip fasteners (without docking cover)
- using further Velcro strip fasteners produces numerous module configurations, e.g. decontamination or respirator containers
- can be supplied in many colour variations
- tents can be retro-fitted with insulation covers in the factory
- individual shower units can be fitted into all tents
- low flammability of cover material according to DIN 4102 B1
- patented securing network in the roof area (optional)
- individual tent marking (printed or cover with Velcro and coating material)
- attachment of separation walls (longitudinally and transversally)

Safety

- the safety valve (0.5 bar/7.25 psi) integrated into the support frame protects against unintentional over-inflation
- the support frame is made of tear-proof material: polyamide textile on both sides coated with neoprene
- extremely sturdy and very stable
- it can be used safely up to 48 hours even with deviations in temperature
- high quality cover material – especially developed for Vetter tents
- with sealed areas there is the possibility to use ballast tanks instead of pegs (optional accessory)





Docking tent with 3 coupled standard tents



Features for universal tents:

- detachable floor
- external carrying handles for positioning the tent
- tension ropes and pegs for securing to the ground
- internal securing lugs (e.g. for medical equipment, lamps)
- 1 door on the front side
- at least 2 windows (including gauze) secured with velcro fasteners (the number of windows is dependent on the size of the tent)
- colour can be selected from the range shown on the right (other colours on request)



World Youth Festival in Cologne 2005



Tent with securing net in the roof area and individual tent marking on the outside

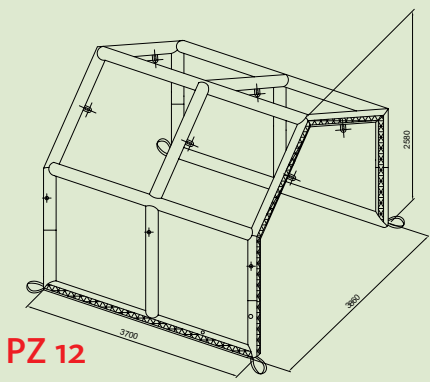
Technical Data for Pneumatic Tents

| | Unit | PZ 12 | PZ 17 | PZ 20 | PZ 25 | PZ 30 | PZ 40 |
|--------------------------|--------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Art. No. (set) | | 1520002900 | 1520000400 | 1520004700 | 1520008900 | 1520009401 | 1520010601 |
| External size (LxWxH) | cm | 370 x 386 x 258 | 490 x 386 x 248 | 501 x 436 x 248 | 500 x 536 x 258 | 600 x 550 x 310 | 800 x 550 x 310 |
| | inch | 146 x 152 x 102 | 193 x 152 x 98 | 198 x 172 x 98 | 198 x 211 x 102 | 236 x 217 x 122 | 315 x 217 x 122 |
| Useable area (LxWxH) | cm | 370 x 350 x 240 | 490 x 350 x 230 | 501 x 400 x 230 | 500 x 500 x 240 | 600 x 514 x 290 | 800 x 514 x 290 |
| | inch | 146 x 138 x 94 | 193 x 138 x 91 | 198 x 157 x 91 | 198 x 198 x 94 | 236 x 202 x 114 | 315 x 202 x 114 |
| Maximum working pressure | bar | 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 |
| Test pressure | bar | 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 |
| Nominal content | l | 1,088 | 1,350 | 1,555 | 1,712 | 1,911 | 2,707 |
| | cu.ft. | 38.4 | 47.7 | 54.9 | 60.4 | 67.4 | 95.6 |
| Air requirement | l | 1,632 | 2,025 | 2,332 | 2,568 | 2,866 | 4,060 |
| | cu.ft. | 57.6 | 71.5 | 82.3 | 90.7 | 101.2 | 143.3 |
| Package dimensions | cm | 110 x 85 x 40 | 110 x 85 x 60 | 110 x 85 x 60 | 110 x 85 x 60 | 110 x 85 x 60 | 110 x 85 x 85 |
| | inch | 43 x 33 x 16 | 43 x 33 x 24 | 43 x 33 x 24 | 43 x 33 x 24 | 43 x 33 x 24 | 43 x 33 x 33 |
| Inflation time, ca. | sec. | 140 | 160 | 180 | 200 | 230 | 450 |
| Weight, ca. | kg | 58 | 65 | 75 | 88 | 95 | 110 |
| | lbs | 128 | 143 | 165 | 194 | 209 | 243 |

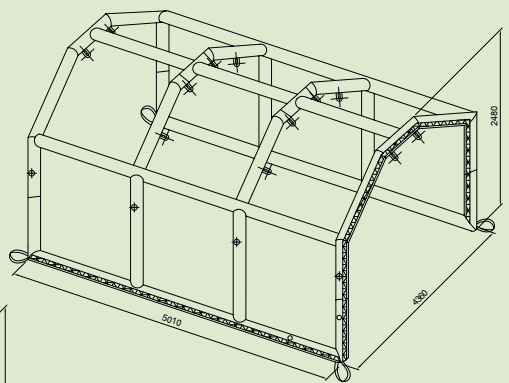
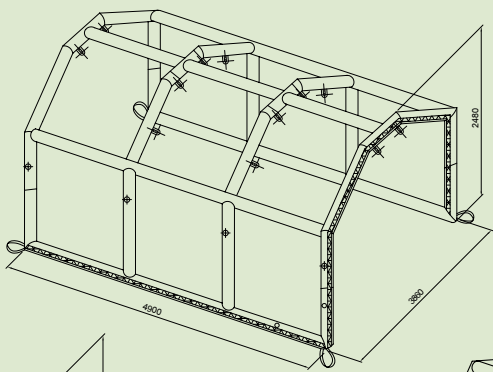
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Set List for Pneumatic Tents

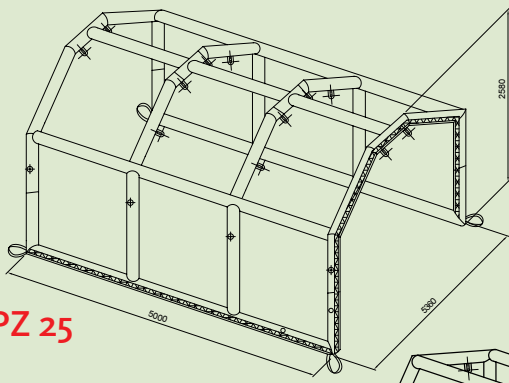
| Art.-No. | Description | Art.-No. 1520002900 PZ 12 | Art.-No. 1520000400 PZ 17 | Art.-No. 1520004700 PZ 20 | Art.-No. 1520008900 PZ 25 | Art.-No. 1520009401 PZ 30 | Art.-No. 1520010601 PZ 40 |
|------------|--|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| 1520003000 | Tent frame PZ 12 including tension rope | 1 | | | | | |
| 1520000600 | Tent frame PZ 17 including tension rope | | 1 | | | | |
| 1520004900 | Tent frame PZ 20 including tension rope | | | 1 | | | |
| 1520009000 | Tent frame PZ 25 including tension rope | | | | 1 | | |
| 1520009501 | Tent frame PZ 30 including tension rope | | | | | 1 | |
| 1520010701 | Tent frame PZ 40 including tension rope | | | | | | 1 |
| 1520003100 | Tent floor PZ 12 | 1 | | | | | |
| 1520000900 | Tent floor PZ 17 | | 1 | | | | |
| 1520005000 | Tent floor PZ 20 | | | 1 | | | |
| 1520009100 | Tent floor PZ 25 | | | | 1 | | |
| 1520009601 | Tent floor PZ 30 | | | | | 1 | |
| 1520010801 | Tent floor PZ 40 | | | | | | 1 |
| 1520003600 | Tent cover PZ 12 | 1 | | | | | |
| 1520001200 | Tent cover PZ 17/PZ 17 DECON | | 1 | | | | |
| 1520005400 | Tent cover PZ 20 | | | 1 | | | |
| 1520009200 | Tent cover PZ 25 | | | | 1 | | |
| 1520010001 | Tent cover PZ 30 | | | | | 1 | |
| 1520011201 | Tent cover PZ 40 | | | | | | 1 |
| 1520004000 | Cover for entry PZ 12 | 2 | | | | | |
| 1520007900 | Cover for entry PZ 17 + PZ 17/20 DECON | | 2 | | | | |
| 1520005500 | Cover for entry PZ 20 | | | 2 | | | |
| 1520009300 | Cover for entry PZ 25 | | | | 2 | | |
| 1520010101 | Cover for entry PZ 30 | | | | | 2 | |
| 1520011301 | Cover for entry PZ 40 | | | | | | 2 |
| 1520004200 | Packing bag 110 x 85 x 40 cm/43 x 33 x 16 inch | 1 | | | | | |
| 1520000500 | Packing bag 110 x 85 x 60 cm/43 x 33 x 24 inch | | 1 | 1 | 1 | 1 | |
| 1520011500 | Packing bag 110 x 85 x 85 cm/43 x 33 x 33 inch | | | | | | 1 |
| 1520002400 | Square earthing pin, 30 cm long (12 inch) | 14 | 18 | 18 | 18 | 18 | 18 |
| 0050004500 | Repair material, 0.5 bar (7.25 psi) | 1 | 1 | 1 | 1 | 1 | 1 |
| 1520002500 | Bag, red | 1 | 1 | 1 | 1 | 1 | 1 |



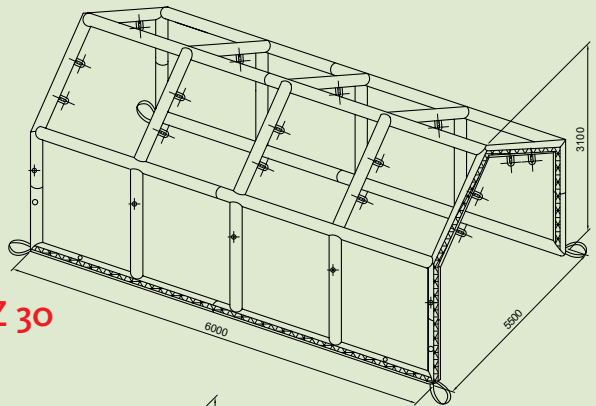
PZ 17



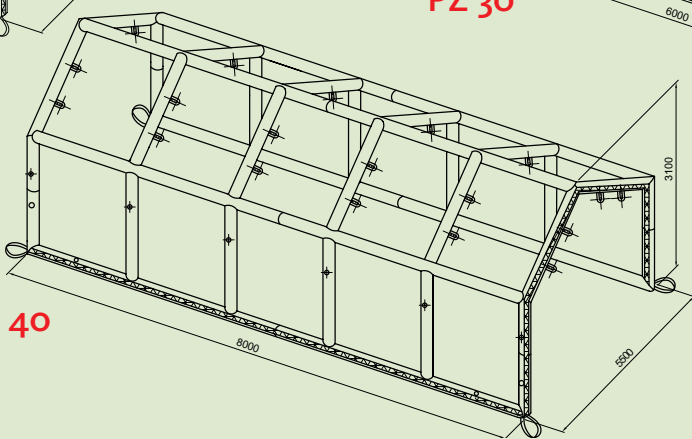
PZ 25



PZ 30



PZ 40



Vetter Pneumatic Decontamination Tents and Decontamination Showers

Today decontamination has become an important part in repelling danger. In order to meet the challenges it is especially important to be equipped for these tasks.

Above all this includes decontamination positions and locations in which protection clothing and respiration equipment can be put on and taken off. The quick, easy and flexible solution are pneumatic decontamination tents and decontamination showers. The decontamination was developed in close cooperation with the City of Cologne Fire Service.

Decontamination tents are produced in 3 standard versions:

- PZ 17 and PZ 20 Decon Cologne, each having a fitted shower
- PZ 20 as a mass decontamination tent with 4 showers

Other sizes can be made on request. The colour of the tent cover can be selected according to the colour range already shown (refer to Page 3).

Advantages

- quick assembly requiring less staff
- only one inflation connection required for the complete system
- support frame repairable
- easy cleaning of the tent
- the section design enables a number of people to be decontaminated simultaneously or directly after each other
- up to 4 showers can be used at the same time in the mass decontamination tent
- a field-proven concept
- locks for coupling of additional tents (optional)



Industrial Fire Brigade Weihenstephan



Decontamination exercise in Berlin March 2006 – Mass decontamination tent

Safety

- no conveyance of contamination due to the separation walls and the floor gangways
- integrated safety valve avoids damage to the support frame, over-inflation is not possible
- extremely sturdy
- support frame made of tear-proof polyamide texture, both sides are coated with neoprene
- shower basin is made of a polyester texture, both sides coated with PVC (other qualities are possible on request)
- tent covers have low flammability according to DIN 4102 B1



Features of Decontamination Tents

- 1 decontamination shower with basin
- 2 transverse separation walls for dividing into red, yellow and green areas (PZ 17 Decon has 1 separation wall)
- detachable floor
- external carrying loops for positioning the tent
- tension ropes and pegs for anchoring the tent
- securing lugs on the inside of the tent
- 1 door for each front side and one additional door on the longitudinal side on the PZ 20 Decon (for transverse ventilation)
- 4 windows, including gauze, secured with Velcro (additional windows can be made on request)

Features of Mass Decontamination Tents

- 4 decontamination cabin showers
- 1 longitudinal separation wall and 2 transverse separation walls enabling separate decontamination for ladies and gentlemen
- detachable floor
- external carrying loops for positioning the tent
- tension ropes and pegs for anchoring the tent
- securing lugs on the inside of the tent
- 2 doors on each front side and 2 doors on each longitudinal side (for transverse ventilation)
- 4 windows, including gauze, secured with Velcro (additional windows can be made on request)



Decontamination tent PZ 17 / PZ 20



Mass decontamination tent PZ 20

Technical Data for Decontamination Tents

| | Unit | PZ 17 Decon | PZ 20 Decon | PZ 20 Mass- Decon |
|----------------------------|-------------|-----------------|-----------------|-------------------------|
| Art.-No. (Set) | | 1520005900 | 1520007200 | 1520014600 |
| External size (LxWxH) | cm | 490 x 386 x 248 | 590 x 386 x 248 | 590 x 386 x 248 |
| | inch | 193 x 152 x 98 | 232 x 152 x 98 | 232 x 152 x 98 |
| Useable area (LxWxH) | cm | 490 x 350 x 230 | 590 x 350 x 230 | 590 x 350 x 230 |
| | inch | 193 x 138 x 91 | 232 x 138 x 91 | 232 x 138 x 91 |
| Maximum working pressure | bar | 0.5 | 0.5 | 0.5 |
| | psi | 7.25 | 7.25 | 7.25 |
| Test pressure | bar | 0.65 | 0.65 | 0.65 |
| | psi | 9.4 | 9.4 | 9.4 |
| Nominal content | l | 2,250 | 2,595 | 3,308 |
| | cu.ft. | 79.4 | 91.6 | 116.8 |
| Air requirement | l | 3,375 | 3,893 | 4,962 |
| | cu.ft. | 119.1 | 137.4 | 175.2 |
| Average flow amount | l/min. | 25 | 25 | 4 x 25 |
| | cu.ft./min. | 0.88 | 0.88 | 4 x 0.88 |
| Package dimensions | cm | 110 x 85 x 60 | 110 x 85 x 60 | 110 x 85 x 85 |
| | inch | 43 x 33 x 24 | 43 x 33 x 24 | 43 x 33 x 33 |
| Approximate inflation time | sec. | 240 | 250 | 350 |
| Approximate weight | kg | 93 | 97 | 152 |
| | lbs | 205 | 214 | 335 |

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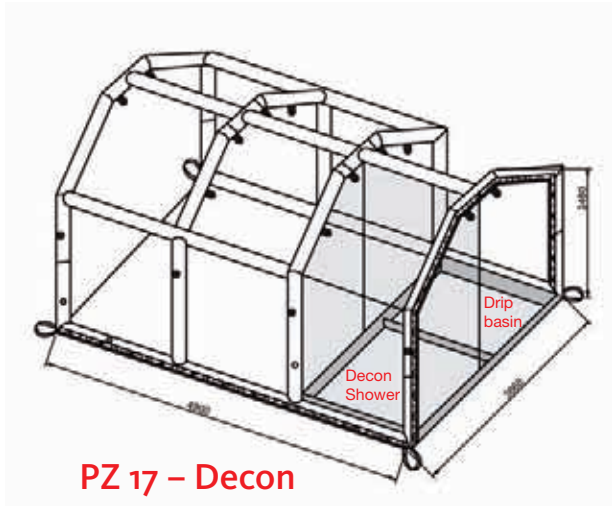
Set List for Decontamination Tents

| Art.-No. | Description | Art.-No. 1520005900 PZ 17 Decon | Art.-No. 1520007200 PZ 20 Decon | Art.-No. 1520014600 PZ 20 Mass Decon |
|------------|---|------------------------------------|------------------------------------|---|
| 1520006000 | Tent frame PZ 17 Decon including tension rope | 1 | | |
| 1520007300 | Tent frame PZ 20 Decon including tension rope | | 1 | |
| 1520014800 | Tent frame PZ 20 Mass Decon including tension rope | | | 1 |
| 1520002300 | Tent floor PZ 17 Decon | 1 | | |
| 1520007400 | Tent floor PZ 20 Decon | | 1 | |
| 1520023400 | Tent floor PZ 20 Mass Decon | | | 1 |
| 1520025200 | Tent cover PZ 17 Decon with 2 throughways on the side | 1 | | |
| 1520007800 | Tent cover PZ 20 Decon with 2 throughways on the side | | 1 | |
| 1520014900 | Tent cover PZ 20 Mass Decon with 4 throughways on the side | | | 1 |
| 1520007900 | Cover for entry on the PZ 20 Decon, PZ 17 and PZ 17 Decon | 2 | 2 | |
| 1520015000 | Cover for entry on the PZ 20 Mass Decon | | | 2 |
| 1520006100 | Separation wall for PZ 17 / 20 Decon | 1 | 2 | |
| 1520015100 | Separation wall, short, for PZ 20 Mass Decon | | | 2 |
| 1520015200 | Separation wall, long, for PZ 20 Mass Decon | | | 1 |
| 1520006200 | Support frame for decontamination basin including connection | 1 | 1 | 2 |
| 1520006301 | Insertion basin for decontamination shower PZ 17 / 20 | 1 | 1 | |
| 1520015300 | Insertion basin for decontamination shower for PZ 20 Mass Decon | | | 2 |
| 1520006401 | Shower hose for decontamination tents | 1 | 1 | 4 |
| 1520006800 | Shower cover for decontamination tents | 3 | 3 | |
| 1520015400 | Shower cover for PZ 20 Mass Decon | | | 4 |
| 1520000500 | Packing bag 110 x 85 x 60 cm/43 x 33 x 24 inch | 1 | 1 | |
| 1520011500 | Packing bag 110 x 85 x 85 cm/43 x 33 x 33 inch | | | 1 |
| 1520002400 | Square grounding pin, 30 cm long (12 inch) | 18 | 18 | 18 |
| 0050004500 | Repairing material 0.5 bar (7.25 psi) | 1 | 1 | 1 |
| 1520002500 | Bag, red | 1 | 1 | 1 |

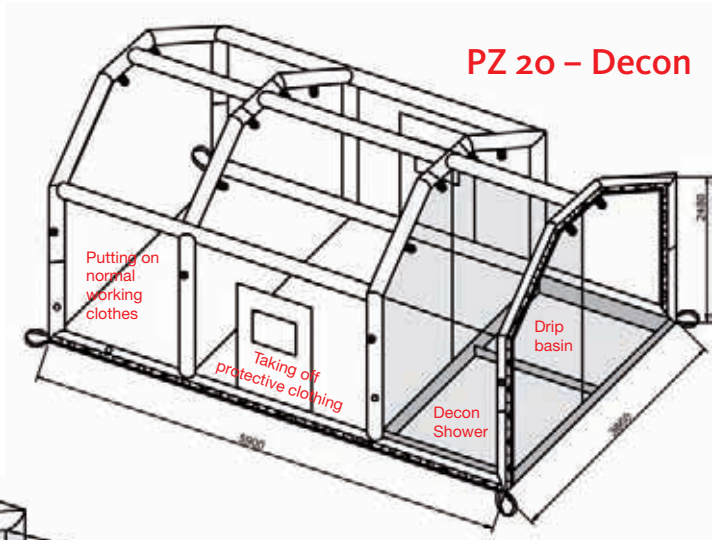


Art.-Nr. 1700014600 – Suction jet for basin in the shower cabin
 Art.-Nr. 2230011300/2230011500 – Suction hose 4 m / 6 m Storz 38 mm

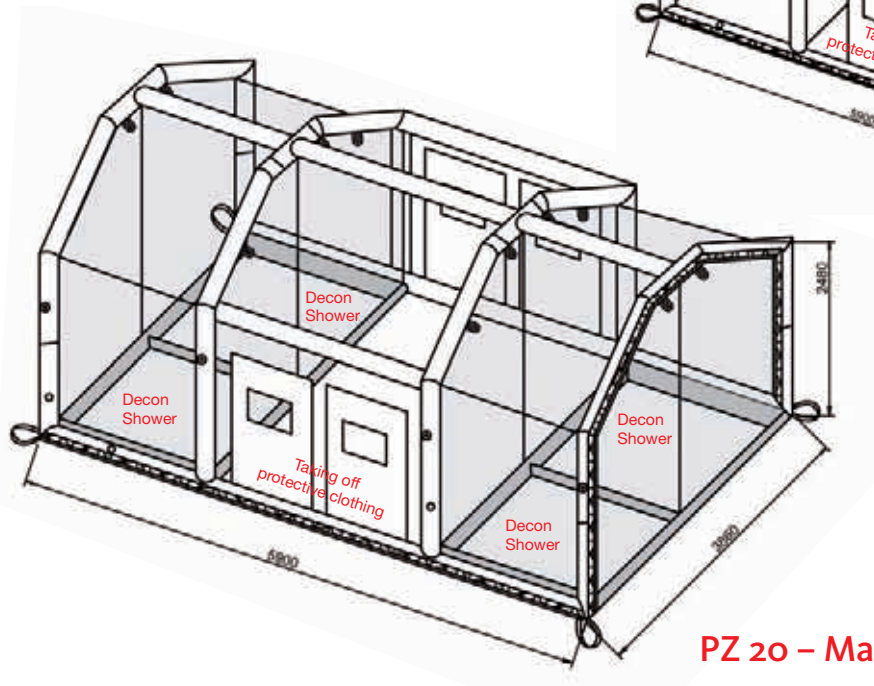
PZ 17 in combination with the decontamination shower



PZ 17 – Decon



PZ 20 – Decon



PZ 20 – Mass Decon

Pneumatic decontamination showers can be used as emergency decontamination positions as well as being used in combination with all universal tents. The showers are designed in size so that they can be quickly and easily installed into the tents. In doing this the functional radius is extended by a changing area.

The showers can be supplied in the two following versions:

Decontamination shower with external basin

This enables post-cleaning of boots and, at the same time, avoids any splashing of contaminated shower water on the ground.

Compact shower

Due to the low stand area of 160 x 160 cm/63 x 63 inch it is able to be used even in small spaces and is simultaneously an economical alternative. It is especially designed for the industrial sector.

Both showers have the following features:

- low weight and compact packing size
- shower curtain and exchangeable basin
- self-assembling support frame
- support frame which can be repaired
- only one person required for assembly
- tear-proof polyamide texture with neoprene coating
- a quick inflation time of only one minute

Basic fittings of the decontamination tent

- shower curtain and insertion basin
- 8 moveable shower jet heads fixed at different heights
- device for additional insertion of a decontamination hand shower (hand shower is an optional accessory)



Shower jet head



Hand shower





Technical Data for Showers

| | Unit | Decontamination Shower | Compact Shower |
|----------------------------------|--------|------------------------|----------------|
| Art.-No. (Set) | | 1510000602 | 1510003200 |
| Basin size, external (L x W x H) | cm | 280 x 160 x 20 | 160 x 160 x 20 |
| | inch | 110 x 63 x 8 | 63 x 63 x 8 |
| Basin size, internal (L x W x H) | cm | 242 x 122 x 20 | 122 x 122 x 20 |
| | inch | 95 x 48 x 8 | 48 x 48 x 8 |
| Total height | cm | 210 | 210 |
| | inch | 83 | 83 |
| Maximum operating pressure | bar | 0.5 | 0.5 |
| | psi | 7.25 | 7.25 |
| Test pressure | bar | 0.65 | 0.65 |
| | psi | 9.4 | 9.4 |
| Nominal content | l | 565 | 525 |
| | cu.ft. | 20 | 18 |
| Air requirement | l | 847 | 787 |
| | cu.ft. | 30 | 28 |
| Capacity | l | 770 | 300 |
| | cu.ft. | 27 | 11 |
| Packing dimensions | cm | 110 x 72 x 30 | 110 x 72 x 30 |
| | inch | 43 x 28 x 12 | 43 x 28 x 12 |
| Approximate weight | kg | 33 | 24 |
| | lbs | 73 | 53 |

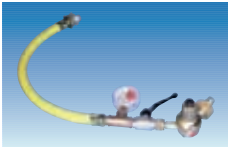
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Set List for Showers

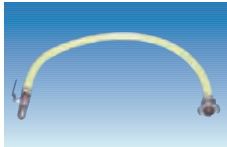
| Art.-No. | Description | Art.-No. 1510000602 Decontamination Shower | Art.-No. 1510003200 Compact Shower |
|------------|---|--|---------------------------------------|
| 1510002900 | Support frame for compact shower | | 1 |
| 1510001501 | Support frame for decontamination shower | 1 | |
| 1510001601 | Shower hose for decontamination shower | 1 | 1 |
| 1510002002 | Basin for the decontamination shower including holder for the suction jet | 1 | |
| 1510003000 | Basin for decontamination shower | | 1 |
| 1520008800 | Shower cover for decontamination shower | 1 | 1 |
| 3110000700 | Packing bag 110 x 72 x 30 cm/43 x 28 x 12 inch | 1 | 1 |
| 0050004500 | Repairing material, 0.5 bar (7.25 psi) | 1 | 1 |

Systematic Safety. System Accessories from Vetter - Inflation of Tents

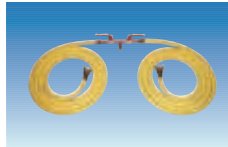
Inflation hoses 0.5 bar (7.25 psi)



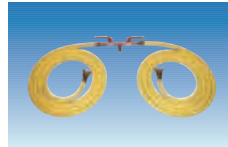
Art.-No. 0050004100
Compact inflation fitting
0.5 bar (7.25 psi)
US-Version: 0050004000



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

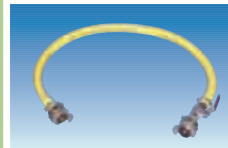


Art.-No. 1520010301
Inflation hose for direct
inflation, PZ 30,
length: 7 m (22 ft.)



Art.-No. 152001601
Inflation hose for direct
inflation, PZ 40,
length: 9 m (29 ft.)

Inflation hoses for tent blower



Art.-No. 1520016101
Inflation hose for
connection to the tent
blower, 1 m (3.2 ft.),
with ball valve

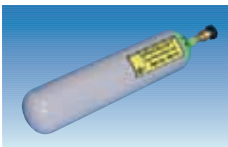


Art.-No. 1600000200
Pressure reducer
200/300 bar
(3,000/4,500 psi)

US-Version: 1600005301
FR-Version: 1600004700



Art.-No. 1600017400
Pressure reducer
200/300 bar
(3,000/4,500 psi),
operating pressure:
20 bar (290 psi)



**Compressed air
cylinders**
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 and carrier rack for
compressed air cylinder
6 l/300 bar
(0.2 cu.ft./4,500 psi)
Two cylinder rack

Compressed air bottles
are not contained in the
delivery.

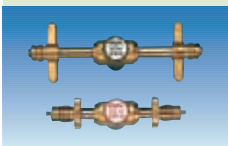


Safety and carrier rack for
compressed air cylinder
6 l/300 bar
(0.2 cu.ft./4,500 psi)
(you have to use this
article two times for the
four cylinder rack)
Art.-No. 1600011800
Trolley for safety
and carrier rack
Four cylinder rack

Compressed air bottles
are not contained in the
delivery.



Art.-No. 1520016200
Tent blower, electrical



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

Accessories for deflating the support frame



Art.-No. 1700018300
Vacuum adapter for quick
deflation of the support
frame.
Connect snap-coupling
onto air supply, pressure
should be between
4 and 6 bar (58/87 psi)

Accessories for deflation of the shower basins



Art.-No. 1700014600
Suction jet for shower
basins with Storz 38,
for deflation of the basin,
for connection onto the
Vetter oil/water aspirator

Systematic Safety. Optional Accessories for Pneumatic Tents from Vetter

Illumination



Art.-No. 1520006900
Tent lamp, 36 W
with Velcro fastener
and plug

Art.-No. 1520007100
Tent lamp, 36 W
with Velcro fastener,
plug and coupling



Art.-No. 1520021600
Tent lamp,
2 x 36 W IP 54,
with plug and socket IP 54
including nylon belt

Art.-No. 1520021500
Tent lamp,
2 x 36 W IP 54,
with plug and socket IP 68
including nylon belt



Art.-No. 1520021900
Tent lamp
2 x 55 W IP 54,
with plug and socket IP 54

Art.-No. 1520021800
Tent lamp
2 x 55 W IP 54,
with plug and socket IP 68

Additional windows



Art.-No. 1520020600
Window with insert



Art.-No. 1520025700
Window with additional
wind protection foil and
insert

Ballast tanks



Ballast tanks for tents
including securing belt
(2 tanks per tent)

PZ 12
Art.-No. 1520003200
PZ 17, PZ 20, PZ 25,
PZ 17 Decon
Art.-No. 1520000700
PZ 20 Decon, PZ 30
Art.-No. 1520007500
PZ 40
Art.-No. 1520010900

Tent marking



Art.-No. 1520022400
Tent print

Art.-No. 1520025600
Cover with print
(Velcro and flange)

Heating socket



Art.-No. 1520020500
Heating socket and cable
duct with securing line

Ventilation flap

Art.-No. 1520025800
(no picture)
Ventilation flap
with insert

Separation walls, transverse*



Separation wall,
transverse

PZ 12
Art.-No. 1520004100
PZ 17
Art.-No. 1520001100
PZ 20
Art.-No. 1520005600
PZ 25
Art.-No. 1520014500
PZ 30
Art.-No. 1520010201
PZ 40
Art.-No. 1520011401
PZ 17/PZ 20 Decon
Art.-No. 1520006100

Additional requirements:

Art.-No. 1520002600
Device for separation
wall assembly
(for all tents)

Nets



Net for roof area
including securing device

PZ 12
Art.-Nr. 1520004400
PZ 17
Art.-Nr. 1520002700
PZ 20
Art.-Nr. 1520020000
PZ 25
Art.-Nr. 1520005700
PZ 30
Art.-Nr. 1520010400
PZ 40
Art.-Nr. 1520011700
PZ 17 Decon
Art.-Nr. 1520024900
PZ 20 Decon
Art.-Nr. 1520008000

* longitudinal separation
walls on request

Systematic Safety. Optional Accessories for pneumatic tents and showers from Vetter

Tent blower



Art.-No. 1520016200
Tent blower, electrical

Sound pressure level: 82.5 dB
Power consumption: 0.75 kW
Supply voltage: 230 V/50 Hz
Dimensions: 47 x 28 x 32 cm
(19 x 11 x 13 inch)
Weight: 25 kg (55 lbs)

Heaters



Art.-No. 1520004800
Combination heater GHE 15 M (gas/electrical)
Thermostat with electrical operation.
Heating power, elect./gas: 3 kW/7-14 kW
Volume flow elect./gas: 520 m³/h
Supply voltage: 230 V/50 Hz
Max gas consumption: 1.09 kg/h
Dimensions (LxWxH): 51 x 21.5 x 33.5 cm
(20 x 8.5 x 13 inch)
Weight: 10 kg (22 lbs)



Art.-No. 1520004601
Warm air generator DG 30 S (only gas operation)

Heating power: 12-29 kW
Volume flow: 1200 m³/h
Supply voltage: 230 V/50 Hz
Maximum gas consumption: 2.25 kg/h
Dimensions (LxWxH): 55 x 25 x 41 cm
(22 x 10 x 16 inch)
Weight: 13.6 kg (30 lbs)

Heaters



Art.-No. 1520017000
Heater K 25 T (only oil)

Heating power: 25 kW
Volume flow: 2050 m³/h
Supply voltage: 230 V/50 Hz
Fuel consumption: 2.3 kg/h
Dimensions: 100 x 58 x 72 cm
(39 x 23 x 28 inch)
Weight: 85 kg (187 lbs)
Tank capacity: 35 l (1.2 cu.ft.)



Art.-No. 15200017100
Warm air hose for K 25 T

Length: 7,600 mm
Diameter: 203 mm

Art.-No. 15200017300 (no picture.)
Humidity thermostat (-10° to +40°)
for K 25 T
Safety class IP 44



Art.-No. 15200017200
Exhaust for K 25 T
Length: 1,000 mm

Art.-No. 1520017400
Rain cover for K 25 T
Diameter: 150 mm

Electrical generator



Art.-No. 1520026500
Electrical generator
according to DIN 14 685

Type of fuel: Petrol
Tank capacity: 10.5 l
Engine power: 8.8 kW
Supply voltage: 230 V/50 Hz
Total current (max.): 21.7 A
Safety class for generator: IP 54
Dimensions: 70 x 44 x 58 cm
(28 x 17 x 23 inch)
Weight: 118 kg (260 lbs)

Water pump



Art.-No. 1520015800
Water pump including suction hose and filter cage, pressure and suction connection: Storz D

Supply voltage: 230 V/50 Hz
Rev. rate: 2900 revs./min.
Safety class: F/IP 44
Fuse rating: min. 16A
Suction height: max. 8 m (25.6 ft.)
Power consumption: 1.3 kW
Nominal current: 5.5 kW
Dimensions: 42 x 29 x 40 cm
(17 x 11 x 16 inch)
Weight: 13 kg (29 lbs)

Warm water processor



Art.-No. 1520015900
Warm water processor, operation with diesel or light heating oil, input and output: Storz D

Supply voltage: 230 V/50 Hz
Max. operating pressure: 10 bar (145 psi)
Water temperature: 60°C
Consumption: 2.7-5.81 l/h
Water flow: 720 l/h
Net heating power: approx. 65 kW/h
Dimensions: 73 x 45 x 75 cm
(29 x 18 x 30 inch)
Weight: 85 kg (187 lbs)

Dosing device



Art.-No. 1520016000
Dosing device (mixer) including suction hose, connection: Storz D

Operating power: 10 l/h-2.5 m³/h
Max. operating pressure: 6 bar (87 psi)
Operating temperature: max. 40°C
Dosing amount: 0.1-125 l/h
Dose: 1-5%
Dimensions: 40 x 60 x 70 cm
(16 x 24 x 28 inch)
Weight: 8.9 kg (20 lbs)

Inlet hose



Art.-No. 1520015500
Water inlet hose, rubber, coiled, stable shape suitable for warm water
Length: 2 m (6.4 ft.)

Water distributor



Art.-No. 1520015600
4-way distributor, Storz D, e.g. for mass decontamination tent or simultaneous operation with up to 4 showers

Hand shower



Art.-No. 1510001700
Decontamination hand shower for decontamination showers and decontamination tents

Suction hose



Suction hose, Storz 38 mm (1.5 inch)
4 m (13 ft.) - Art.-No. 2230011300
6 m (19 ft.) - Art.-No. 2230011500

Quick overlook of equipment

| Description | PZ 12 | PZ 17 | PZ 20 | PZ 25 | PZ 30 | PZ 40 |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| Type | Universal tent | Universal tent | Universal tent | Universal tent | Universal tent | Universal tent |
| Support frame for single chamber | ✓ | ✓ | ✓ | ✓ | • | • |
| Support frame for dual chamber | - | - | - | - | ✓ | ✓ |
| Safety valve, assembly | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Useable area (m ²) | 12 | 17 | 20 | 25 | 30 | 40 |
| Detachable floor | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Carrying straps, external | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Securing straps, internal | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Duct openings | 1 | 1 | 1 | 1 | 1 | 1 |
| Doors | 2 | 2 | 2 | 2 | 2 | 2 |
| Window with gauze | 2 | 4 | 4 | 4 | 6 | 6 |
| Window with gauze and foil | • | • | • | • | • | • |
| Shower cabin with basin | - | • | • | • | • | • |
| Shower cabin without basin | - | • | • | • | • | • |
| Suction jet for basin | - | • | • | • | • | • |
| Shower curtain | - | • | • | • | • | • |
| Hand shower | - | • | • | • | • | • |
| Separation wall, transverse | • | • | • | • | • | • |
| Separaton wall, longitudinal | • | • | • | • | • | • |
| Insulation against heat/cold | • | • | • | • | • | • |
| Ballast tanks (2 per tent) | • | • | • | • | • | • |
| Floor protection cover | • | • | • | • | • | • |
| Vacuum adapter for deflation | • | • | • | • | • | • |
| Securing net for roof area | • | • | • | • | • | • |
| Ventilation flap for roof | • | • | • | • | • | • |
| Lighting | • | • | • | • | • | • |
| Marking (directly printed or on a cover) | • | • | • | • | • | • |

Yes ✓
 No -
 Optional •

Quick overlook of equipment

| Description | PZ 17 Decon Tent | PZ 20 Decon Tent | PZ 20 Mass Decon Tent | Decon- Shower | Compact Shower |
|--|---------------------|---------------------|-----------------------------|---------------------|------------------------|
| Type | Decon tent | Decon tent | Decon tent | with external basin | without external basin |
| Support frame for single chamber | ✓ | ✓ | ✓ | ✓ | ✓ |
| Support frame for dual chamber | - | - | - | - | - |
| Safety valve, assembly | ✓ | ✓ | ✓ | ✓ | ✓ |
| Useable area (m ²) | 17 | 20 | 20 | - | - |
| Detachable floor | ✓ | ✓ | ✓ | - | - |
| Carrying straps, external | ✓ | ✓ | ✓ | - | - |
| Securing straps, internal | ✓ | ✓ | ✓ | - | - |
| Duct openings | 1 | 1 | 1 | - | - |
| Doors | 4 | 4 | 8 | - | - |
| Window with gauze | 4 | 4 | 8 | - | - |
| Window with gauze and foil | • | • | • | - | - |
| Shower cabin with basin | 1 | 1 | - | 1 | - |
| Shower cabin without basin | • | • | 4 | - | 1 |
| Suction jet for basin | • | • | • | • | • |
| Shower curtain | 3 | 3 | 4 | 1 | 1 |
| Hand shower | • | • | • | • | • |
| Separation wall, transverse | 1 | 2 | 2 | - | - |
| Separaton wall, longitudinal | • | • | 1 | - | - |
| Insulation against heat/cold | - | - | - | - | - |
| Ballast tanks (2 per tent) | • | • | • | - | - |
| Floor protection cover | • | • | • | - | - |
| Vacuum adapter for deflation | • | • | • | • | • |
| Securing net for roof area | • | • | • | - | - |
| Ventilation flap for roof | • | • | • | - | - |
| Lighting | • | • | • | - | - |
| Marking (directly printed or on a cover) | • | • | • | - | - |

Yes ✓
 No -
 Optional •

Vetter Resistance charts and material charts



A tear in the support frame caused by external mechanical influence

The durability of materials is mainly assessed according to their changes in mass and hardness with resistance examinations (DIN 53476 and 53521). The resistance of a rubber mixture is, depending on diffusion, essentially influenced by the thickness of the material being used.

With most stresses there exists a combination of thermo-chemical affects and swelling.

This means, the larger the expansion, the lower the chemical resistance. Therefore these lists of resistances can only be regarded as guides.

The data is taken from laboratory examinations as well as values obtained from experience and are influenced by such variable factors as: temperature, intensity, period of influence etc.

This list of resistances was made taking the above mentioned points into consideration and shown with the following symbols:

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

The data shown here correspond to the present state of our know-how and should be regarded as guiding values.

We will gladly provide material samples should users wish to conduct their own chemical resistance tests.

Temperature resistance

| Products | Cold resistance | Cold flexibility | 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 | |
| Tent covers | - 40° C | | + 50° C | |
| Controllers, fitted | - 20° C | | + 50° C | |
| Controllers, plastic | - 20° C | | + 50° C | |

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Material list

| Products | Material | Support material | Production |
|-------------------------------------|----------|------------------|-----------------|
| Support frame for pneumatic tents | CR | Polyamide | Cold vulcanised |
| Support frame for pneumatic showers | CR | Polyamide | Cold vulcanised |
| Attachment basins for showers | PVC | Polyester | - |
| Tent covers | PU | Polyester | - |
| Tent floor | PVC | Polyester | - |
| Inflation hoses and air inlet hoses | EPDM | Polyester | - |

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Support frame in the new conditions

Support frame after incorrect storage

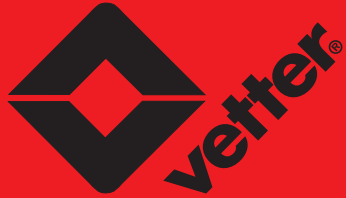
List of resistances

| Description of material | CR | PU | PVC | EPDM |
|-------------------------|----|----|-----|------|
| Acetone | o | + | - | - |
| Acetylene | + | o | o | - |
| Alum watery | + | + | + | - |
| Aluminum chloride | + | o | o | + |
| Aniline | - | + | - | nd |
| ASTM Oil 1 | o | + | nd | - |
| Petrol | o | - | - | nd |
| Benzene | - | - | - | - |
| Boric acid | + | o | + | + |
| Bromine (moist) | - | o | - | - |
| Butyric acid | - | o | o | nd |
| Chlorine gas (moist) | - | o | - | nd |
| Chorine, wet | o | - | nd | o |
| Diesel fuel | o | + | o | - |
| Iron chloride | + | o | + | + |
| Crude oil | o | + | o | - |
| Acetic acid | o | - | o | o |
| Fatty acid | + | o | nd | - |
| Formaldehyde | + | o | nd | + |
| Glucose | + | + | + | + |
| Heating oil | + | o | + | - |
| Potassium chloride | + | o | o | + |
| Calcium chloride | + | o | o | + |

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

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Impressum
 © Copyright: Vetter GmbH
 A Unit of IDEX Corporation
 Printed in Germany
 03/2007
 9988004500



Vetter GmbH
A Unit Of IDEX Corporation
Blatzheimer Str. 10-12
D-53909 Zülpich
Fon +49 (0) 22 52/30 08-50
Fax +49 (0) 22 52/30 08-70
Fon Exp. +49 (0) 22 52/30 08-60
Fax Exp. +49 (0) 22 52/30 08-71
www.vetter.de
info@vetter.de