

TrellTent

TrellTent is the name of a versatile and rapidly deployable inflatable tent system, ideal for rescue and medical services when sheltered premises are needed for treatment of injured people.

In our wide product portfolio, there are also decon cabins for use in case of disaster, attack or accident involving chemical, nuclear or biological agents.

People who have been exposed to life threatening or chemical contamination should undergo decontamination with warm water as soon as possible. Our mass decon system decontaminates people with maximum efficiency and safety in a minimum of time.



WHEN ONLY THE BEST WILL DO,

GEAR UP



For more than 100 years, Ansell Protective Solutions (formerly Trelleborg Protective Products) has supplied protective products and been right there on the front lines with you. From our respected Viking diving suits and our full range of Trelchem chemical protective suits, TrellTent field hospitals and shelters, to Tretight docking seals and other industry applications - we've set the standards in advanced personal protection and productivity. And our aim is to continue to do so for many years to come. When your aim is that only the best will do ... GEAR UP!

Company

Our protection concept is fundamental in practically all these products. But how the concept is realized varies from business to business, from product to product and - most important - from customer to customer.

We know that our ability to adapt to user requirements is vital to our customers. And through the years and from daily work with protective rubber products of all kinds, it could indeed be said that we know how to protect our customers.

Top modern manufacturing site

In 2007 Ansell Protective Solutions, at this time Trelleborg Protective Products, moved the majority of its manufacturing operations from Ystad, Sweden to Tauragė, in Lithuania. In 2009, this was followed by the transfer of the manufacturing operations based in Hull, UK. Today, Ansell Protective Solutions Lithuania, UAB (formerly Trelleborg Engineered Systems Lithuania), is running a top modern facility where the complete manufacturing operations of Ansell Protective Solutions are included. Products being manufactured include everything from the Trelchem gastight chemical suits and Viking rubber dry suits to Tretight dock seals as well as a volume rich OEM production line consisting of managed care products and escape hoods.

TrellTents

Area of use



TrellTent Standard & TrellTent Light



TrellTent standard 3/2

TrellTent 2/2L

TrellTent 3/2LB

Advantages

- ü **Extremely durable**
- ü **Designed for hot and cold weather conditions**
- ü **Comprehensive accessory assortment**
- ü **Rigid construction**
- ü **Connectable**
- ü **Available in different colors**

Materials

TrellTent Standard cover material: PVC coated polyester fabric, 750g/m², color: olive green or yellow
Floor material: PVC coated fabric, 750g/m², color: olive green
TrellTent Light cover material: PVC coated fabric, 450g/m², color: yellow/light green
Floor material: PVC coated fabric, 650g/m², color: olive green

Features

- Strong high frequency welded and sewed seams
- Simple & strong connection system between tents
- Fixed inflatable attached beams (standard tent)
- Separate attached with Velcro beams (light tent)
- Separate airtight inner tubes
- Separate spacing collars
- Overpressure valves

Accessories:

- connection sheet
- inner ground
- inner lining
- sun net
- air channel for heating
- plastic chain
- blower and heater
- lighting

Product	Door No.	Length (m)	Width (m)	Height (m)	Area (m ²)	Weight (kg)
TrellTent Standard						
TrellTent 1/2	2	2.65	5.2	2.6	14	100
TrellTent 1/4	4	2.65	5.2	2.6	14	105
TrellTent 2/2	2	4.90	5.2	2.6	25	160
TrellTent 3/2	2	7.25	5.2	2.6	37	195
TrellTent 3/4	4	7.25	5.2	3.2	37	200
TrellTent Light						
TrellTent 1/2L	2	2.65	5.2	2.6	14	90
TrellTent 2/2L	2	6.30	5.2	2.6	33	120
TrellTent 3/2LB	2	8.00	6.0	2.4	48	150
TrellTent 3/4LB	4	8.00	6.0	2.4	48	165



2 layer window



Inside view. TrellTent 2/2L



Door with connection option



Inside view. TrellTent 3/2LB





TrellTent R, P, XI, IV, VIII



TrellTent R40. With optional windows



TrellTent XI



TrellTent IV

Advantages

- Ü **Inflated in less than two minutes**
- Ü **Stays up for several days without re-inflation**
- Ü **Extremely lightweight**
- Ü **Two chamber inflation structure (except TrellTent P)**
- Ü **Connectable (with sheet or connection tent)**
- Ü **Wide size variety**
- Ü **Strong and durable rubber beams**
- Ü **Overpressure valves**
- Ü **Available in different colors**
- Ü **All tents come with hand pump, pegs, hammer, repair kit and carrying bag**
- Ü **Could be used as a shelter for the MASS DECON SYSTEM**

Materials

Cover material:

TrellTent R, XI, IV, VIII: PES, PU coating, 240g/m², standard color red

TrellTent P: PES, PU coating, 250g/m², standard color grey

Frame material:

TrellTent R, TrellTent XI, IV, VIII: Rubber fabric, black, 600g/m²

TrellTent P: PVC 850g/m²

Floor material: PVC 650g/m², grey

Product	Door No.	Length (m)	Width (m)	Height (m)	Area (m ²)	Weight (kg)
TrellTent R						
TrellTent R20	2	3.70	6.05	3.25	22	57
TrellTent R30	2	5.5	6.05	3.25	33	82
TrellTent R40	2	7.5	6.05	3.25	44	103
TrellTent R50	2	9.1	6.05	3.25	55	121
TrellTent R60	2	11.0	6.05	3.25	66	146
Connection part	4	6.60	6.60	3.25	35	54
TrellTent P						
TrellTent P20	2	3.7	6.05	3.3	22	71
TrellTent P30	2	5.5	6.05	3.3	33	100
TrellTent P40	2	7.3	6.05	3.3	44	128
TrellTent P50	2	9.1	6.05	3.3	55	152
TrellTent P60	2	11.0	6.05	3.3	66	179
TrellTent XI, IV, VIII						
TrellTent XI	2	6.4	5.4	3	30	85
TrellTent IV	2	8.2	5.4	3	44	100
TrellTent VIII	2	10.0	6.5	3	65	120

Options

- 3 layer windows
- Detachable groundsheet
- Banners and other signs
- Thermal insulation inner liner
- Integrated shower system
- Net
- Water belt for anchoring
- Connection sheet
- Translucent roof



3 layer window



Net



Banners and other signs



Thermal insulation inner liner



Small Decon System

Decon Cabins

A wide range of decontamination showers for use in case of disaster, accident or attack dealing with chemical, nuclear or biological agents.



Decon Cabin 100



Decon Cabin 150



Decon Cabin 200



Decon Cabin 400

Advantages

- ü Decon cabin including curtains, shower strip with nozzles and basin are inflated in a few seconds
- ü Blower or BA cylinder can be used for inflation
- ü Integrated basin
- ü Integrated shower curtains
- ü Integrated shower strips with 9 nozzles
- ü Strong and durable rubber frame

Materials

Cover material: PE, 215g/m², standard color white
Frame material: Rubber fabric, black, 600g/m²
Floor material: PVC 650g/m², standard color grey

Features

- o 1 or 2 entrance (red) and 1 or 2 exit (green)
- o Shower cabin takes up its intended shape automatically when inflated
- o Blower C, blower K or BA cylinder can be used for inflation
- o Inflatable shower cabin, consisting of inflatable frame, shower cabin, integrated basin, shower strip with 9 nozzles
- o Optional water drainage
- o For complete system, clean water supply and waste water units are required
- o All cabins come with hand pump, pegs, hammer and carrying bag/ground sheet

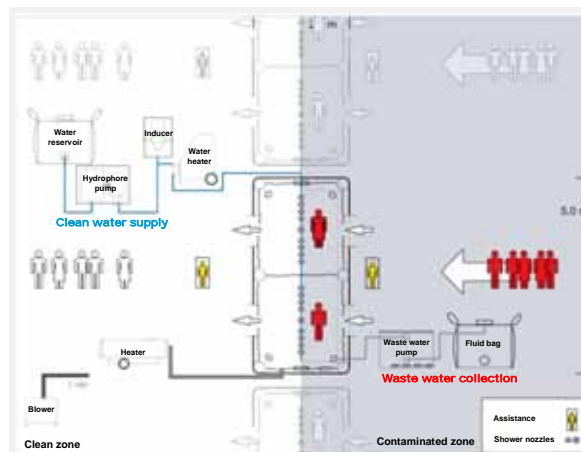
Product	Length (m)	Width (m)	Height (m)	Weight (kg)
Decon Cabins				
DC100	1.8	1.8	2.5	45
DC150	3.8	2.0	2.5	50
DC200	2.5	2.5	2.7	55
DC400	4.5	2.5	2.7	69

Clean water supply

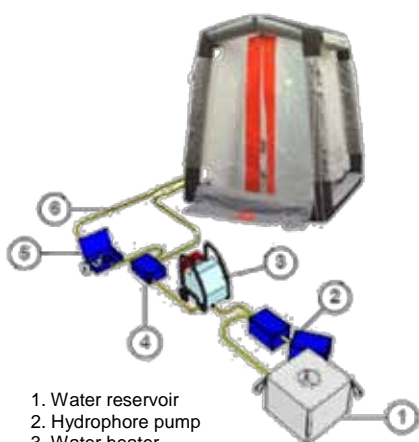
Clean water supply is essential for the Decon system. No water - no decon. Water supply options: community water supply, water tanks, containers, bags.

Waste water collection

Waste water collection system is set up away from the clean water supply. Tanks, containers, bags are used to collect water.



Set up scheme of Decon Cabin 400



1. Water reservoir
2. Hydrophore pump
3. Water heater
4. Water manifold
5. Inducer
6. Hose set



7. Waste water pump (placed inside the cabin)
1. Fluid bag



Decon Basins, hazmat shower, decon circle

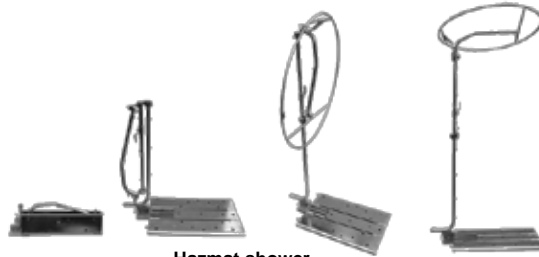
After dealing with hazards it is necessary to decontaminate a chemical protection suit.

Hazmat shower or **Decon circles** is an excellent option to make the process easier and quicker.

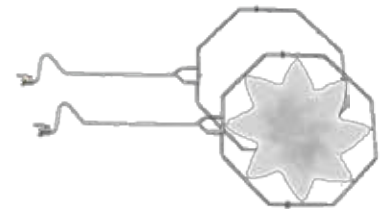
Decon basin is being used as a collection tank for decontaminated water.



Decon Basin 150



Hazmat shower



Decon circle



Product	Length (m)	Width (m)	Height (m)	Weight (kg)
Decon Basins				
DB150	1.5	1.5	0.25	10
DB250	2.5	2.5	0.25	15
DB500	5.0	3.0	0.23	20

Decon Basin Advantageous

- ü **Durable and strong rubber frame**
- ü **Interchangeable liner**
- ü **Overpressure valve**
- ü **Quickly inflated with blower or BA cylinder**

Properties

- *Inflated with Blower K, blower C or BA cylinder*
- *Inflated in 15 – 20s*
- *Interchangeable liner and overpressure valve*
- *Optional water drainage*

Decon Circle Advantageous

- ü **Safe and efficient decontamination of personnel wearing gas or chemical suits**
- ü **Fold down in 2 pieces plus handle**
- ü **A light weight solution for a first response**
- ü **Quick and simple decontamination**
- ü **Integrated water supply**
- ü **Water hose connection with valve**
- ü **Quick release connections**
- ü **High pressure nozzles**

Properties

- *Assembled in 15s*
- *8 special spraying nozzles*
- *Capacity: 30l/min*
- *Material: stainless steel*
- *Dimensions: Ø100cm*
- *Size packed: 120 x 60 x 5cm*
- *Weight: 3.8kg*

Hazmat Shower Advantageous

- ü **Non corrosive durable strong materials are used**
- ü **Easy to carry**
- ü **Quick to assemble**

Properties

- *Erected in 15s*
- *Safe and efficient washing of persons wearing chemical suits*
- *9 special spraying nozzles*
- *Capacity: 50l/min. at 7Bar*
- *Material: fully stainless steel*
- *Size: 114 x 64 x 210cm*
- *Weight: 22kg*



Mass Decon System

People who have been exposed to life threatening or chemical contamination should undergo decontamination with warm water as soon as possible. The Mass Decon System is used to decontaminate people in a minimum of time with a maximum efficiency and safety during the decontamination process.



Advantageous

- Ü **Easy to carry**
- Ü **Quick to assemble**
- Ü **Comfortable to store**
- Ü **Excellent quality**
- Ü **Customization**
- Ü **Complete system**

Mass Decon System Units

- Shelter
- Integrated shower system
- Shower strips and basin
- Accessories

SHELTER

TrellTents are best to be used for Mass Decon System.
Read more about shelters: TrellTent R, P, XI, IV, VIII, page 3.

INTEGRATED SHOWER SYSTEM

The integrated shower system is installed in the shelters and creates different zones inside the tent: waiting, undressing, shower, dressing and inspection areas.

Inside walls can be lifted up, when necessary (optional).

The shelter is also separated to several lines (for men, women, and/or disable people).

Advantageous

- Ü **Light material: PA, PU coating, 85g/m²**
- Ü **Fitted with Velcro tape**
- Ü **Covers all shelter from the inside**

Properties

- Consisting of curtain with entry and exit zipper
- Standard equipment per shower cabin: curtains with one entry and exit, one inflatable basin

SHOWER STRIPS AND BASIN

Shower strips are installed into the integrated shower system and enables supply water inside the shower area. The basin surrounds shower area and keeps water in place.

Advantageous

- Ü **Shower strip with 4 nozzles**
- Ü **Two valves to switch between clean water and soap water**
- Ü **Integrated inflatable rubber beam basin**
- Ü **Basin connected to the tent (no need separate inflation)**

ACCESSORIES

Various accessories for shelter inflation, heating & airflow, clean water supply, waste water collection, other.

Advantageous

- Ü **Most of the units are supplied in boxes for comfort during use, transportation and storage**
- Ü **Lightweight**
- Ü **Power supply: 220V or 110V**



TrellTent IV with clean water supply system and waste water collection:

1. Water reservoir/fluid bag
2. Hydrophore pump
3. Water heater
4. Water manifold
5. Inducer
6. Hose set
7. Waste water pump (placed inside the tent)

Properties

- Shower strip 4 nozzles
- Water flow 10l/min at 4 Bar, with 2 valves
- Standard Geka coupling
- 1pce per shower station needed

Accessories

Inflation

Blowers are designed to inflate and deflate shelters, decon cabins, decon basins.

PRESSURE REDUCING VALVE

- Used when inflating decon basin, decon cabin or TrellTent with the air cylinder
- Connect to BA Air cylinder
- Included connection hose with male quick coupling
- Weight: 2.5kg



BLOWER C

- Light weight
- Small and portable
- Easy to use
- Capacity 2200l/min.
- Motor 1kW, 50-60Hz, 230V (or 110V)
- Size: 32 x 16 x 16cm
- Weight: 9kg



BLOWER K

- Robust construction
- Lightweight
- Easy cable storage
- Heavy duty pressure hose
- Blind cap for inflating single valve structures
- Capacity 0,26 Bar, 2800 l/min.
- Motor 0,96 kW. 230V (or 110V) , IP55
- Cable 10m, IP68
- Size: 60 x 40 x 22cm
- Weight: 9kg
- Packed in box(optional)



BLOWER L

- Blower L is used to inflate and deflate shelters, decon cabins, decon basins
- Automatically measures the pressure in the frame and re-inflates if necessary
- Capacity 2500 l/min.
- Motor 0,96 - 2 kW. 230V (or 110V)
- Supply class II
- Cable 10m
- Fitted in box for easy handling
- Size: 40 x 17 x 27cm



Heating & ventilation

For TrellTents heating system oil fired heater with separate fuel tank and external burner is used.

HEATER

- Ventilation mode for fresh air circulation
- Recirculation of warm air from the tent for faster and more efficient warming
- During start-up no cold air blowing by preheating of intake air
- Automatic temperature control with thermostat (optional)
- Operated on diesel or EL heating oil
- Air Flow: 1100 m³/h
- Output: 25 kW
- Fuel consumption: Diesel, 2.4l/h
- Box packing Size: 120 x 49 x 50cm
- Weight: 64kg



AIR BLOWER

- Secure way of circulating fresh air into contaminated spaces
- Easy to operate
- Equipped with safety screens at inlet and outlet
- Axial blades 300 W
- Airflow 20 m³/min
- Size: 43 x 29 x 40cm
- Weight: 8kg



Clean water supply & waste water collection

All Accessories for water supply as a standard have Geka coupling.

Water supply sources:

- § Community water supply {accessories: 4, 5, 6}
- § Compressed water (fire trucks) { accessories: water pressure relief valve,3, 4, 5, 6}
- § Water tanks, containers, bags { accessories:1, 2, 3, 4, 5, 6}

See page 6: TrellTent IV with clean water supply system and waste water collection

WATER PRESSURE RELIEF VALVE

- Used to decrease the high pressured water
- Adjustable: 1 to 12 Bar (operating pressure in the system 2-6bars)
- Material: brass
- Weight: 1kg



VALVE FOR WATER RESERVOIR/FLUID BAG

- Recommended to be used for a comfortable hose and reservoir connection
- Material: PE
- Coupling 2" male and Geka or 2"male and C-Storz
- Weight: 1kg



WATER RESERVOIR/FLUID BAG

- Closed container used as a clean water reservoir or to collect waste water
- Foldable, possible to lift with forklift
- Includes double PE inner liner
- 2 in/outlets 2" female
- Capacity: 500 Liters
- Weight: 7kg



HYDROPHORE PUMP

- Used for creating the pressurized and instantaneous water flow
- Operates automatically without switches
- Starts when water valve is opened in the shower cabin
- Installed manometer and a separate expansion tank
- Placed in boxes - easy to transport
- Capacity: 60l/min, 4bar
- Electric motor: 0.8kW, 220V (or 110V), IP65
- Weight: 7kg



WATER HEATER

- Delivers hot water to the decon system
- Designed for decontamination purposes
- Automatic temperature control
- Easy to transport
- Robust, weatherproof construction
- Capacity: 50 l/min.
- Automatic temperature control: < 70C°
- Max. pressure 6 Bar
- Diesel consumption 7.8 l/hr
- Electric motor: 71 kW, 220V (or 110V)
- Heating element: Stainless Steel or Steel
- Size: 63 x 66 x 97cm,
- Weight: 84kg



WATER MANIFOLD

- Used to divide water flow from water source to Decon system
- Packed in Box
- With valves
- 2 outlet water manifold
- 1 inlet 2 outlets 1"
- Size: 40 x 30 x 12cm
- Weight: 3kg
- 4 outlet water manifold
- 1 inlet 4 outlets 1"
- Temperature and pressure gauges
- Size: 35 x 45 x 50cm
- Weight: 10kg



INDUCER

- Used for adding cleaning agents to the decon system
- No need of external power source
- Accurate dosing
- Adjustable percentage of additive: 0.2% – 2.0%
- Flow capacity: 10l/h – 2500l/h
- Operating pressure: 0.3 – 6.0bar
- Filter: 300 micron/50 mesh
- Size: 60 x 40 x 23cm
- Weight: 1.6kg



WASTE WATER PUMP

- Used for pumping decontaminated water out of the system
- Resistant to chemical and non explosive liquids
- Full automatic operation
- Automatic protection against dry running
- Pumps down to 3mm of water
- Electric motor: 0.25kW, 230V (or 110V), IP68
- Capacity: 3.5 m³/hr
- Size: 40 x 30 x 34cm
- Weight: 8.5kg



HOSE SET

- Used to connect the accessories for a Decon System
- Marked with color ribbons for easy connection (see Clean water supply and waste water collection Set Up scheme, page 9)
- Packed in Box 60 x 40 x 32.5cm
- Weight: 25kg



Other options

WASTE BOX

Waste box is used for collecting contaminated clothing

Reusable Waste Box

- Size 1/2 Euro pallet, forklift acceptable
- Folds down completely
- Optional PE liner inside for liquid contamination
- Material: HDPE
- Capacity: 230 Liter
- Size: 80 x 60 x 75cm
- Folded: 80 x 60 x 33.3cm
- Weight: 15kg



Disposable waste box

- Size 1/2 Euro pallet, forklift acceptable
- Folds down completely
- Optional PE liner inside for liquid contamination
- Material: cardboard
- Volume: 370 Liter
- Size: 80 x 60 x 78cm
- Folded size: 130 x 140 x 3cm
- Weight: 7kg



DECON BRUSH AND PISTOL

- Standard quick coupling male
- The spiral hose could be pulled out up to 2.5m
- Decon brush
- Flow 5 l/min
- Decon pistol
- Flow 15 l/min



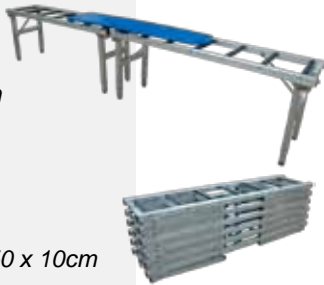
ELEVATION GRID

- Used in the decon shelter. During the showering process the floor becomes wet and elevation grid ensures comfort and safety to users.
- Size: 120 x 60 x 2.5cm
- Weight: 2kg



CONVEYOR

- Used for moving non ambulatory victims on a transfer board through decontamination unit (mass decon system)
- Lightweight
- Quick and easy to assemble
- Adjustable legs for perfect stabilization
- Connectable
- Easy foldable and stackable
- 2m segments inter connectable
- 7 rolling bars
- Material: Aluminum
- Size: 201 x 50 x 75cm, folded: 201 x 50 x 10cm
- Weight: 17kg



TRANSFER BOARD

- Used for transport of casualties through the decontamination area in a mass decon system
- Can be used for immobilization and transportation of patients
- 16 handles around the edges for easy carrying and strapping of the injured person
- Lightweight
- Water proof
- Easy to clean and disinfect
- Easy to handle on conveyor
- Load capacity 136kg per lineal foot
- Size: 180 x 43 x 5cm
- Weight: 5.4kg

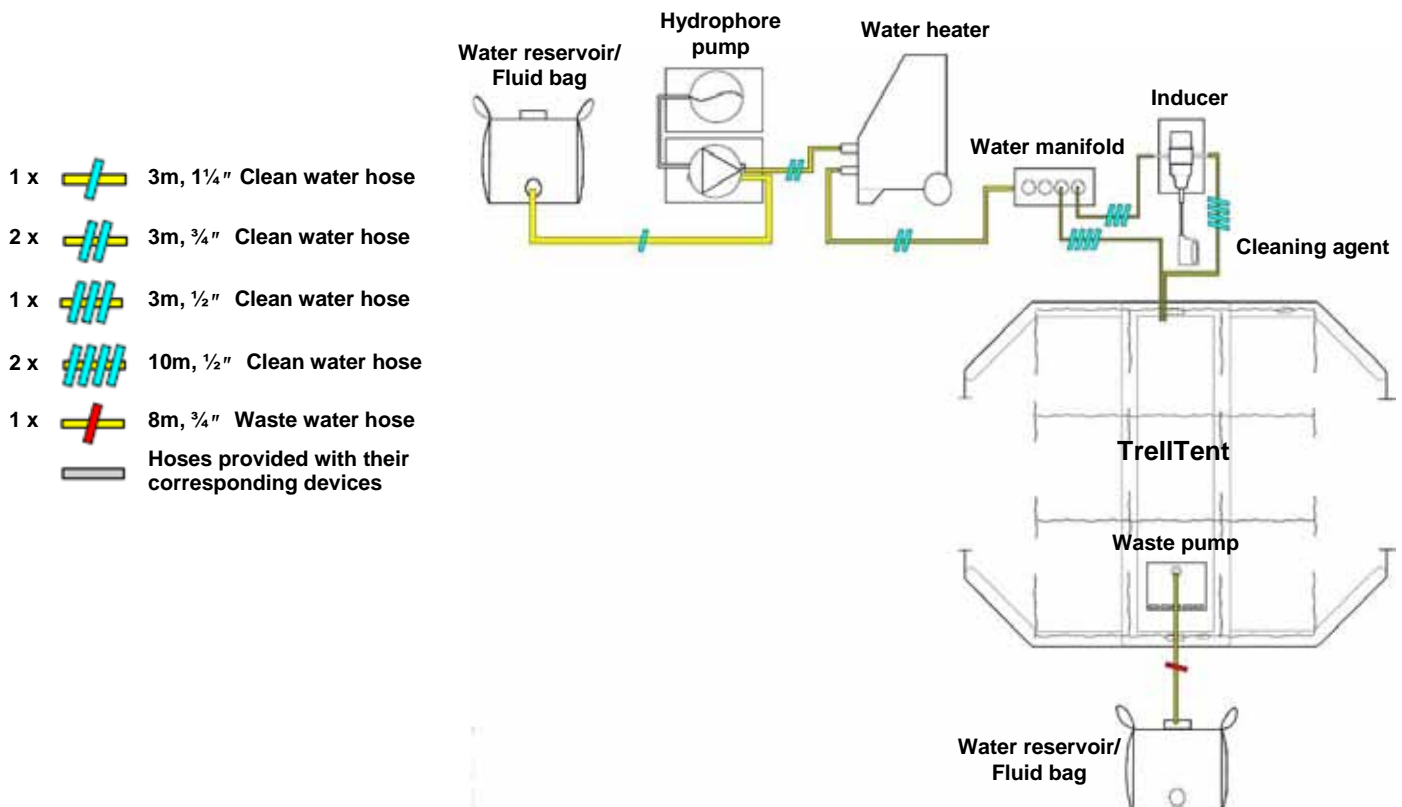


LIGHTING

- High sophisticated lightweight lighting system specially designed for TrellTents
- Light unit with electronic starter
- 10.000 hours lifespan
- Robust and durable construction
- Lighting is available in different sizes and light capacities (2x18W, 2x36W, 2x55W or halogen 100W, 300W, 500W)
- Available in a robust storage box
- IP54, cable IP68



Clean water supply and waste water collection set up scheme



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