FSI NORTH AMERICA®

SAFETY THROUGH TECHNOLOGY

A Division of Fire Safety International

www.fsinorth.com

SERVICE TO THE LIFE SAFETY INDUSTRY WORLDWIDE SINCE 1997

INSTRUCTION MANUAL

FSI® DAT® SERIES SHELTERS/SHOWERS & "QE SERIES"® SHELTERS/SHOWERS

IN ACCORDANCE WITH NFPA 1851 ALL FSI SHOWERS ARE IDEAL FOR FIRE FIGHTER WASH DOWN/DECON IMMEDIATELY AFTER EXITING FIRE SCENE AND PRIOR TO REMOVAL OF ANY PPE.

ALL FSI® DAT® & "QE SERIES"® SHOWERS ARE ANSI # 113 COMPLIANT

12/12/19

FSI NORTH AMERICA®
SAFETY THROUGH TECHNOLOGY
A Division of Fire Safety International
www.fsinorth.com

311 Abbe Road. Sheffield Lake, Ohio 44054
Phone: 440-949-2400
Fax: 440-949-2900
See us on the web at www.fsinorth.com

FSI® DECON SHOWERS AND SHELTERS

OPERATION / MAINTENANCE MANUAL

PLEASE READ THIS INSTRUCTION MANUAL CAREFULLY BEFORE ASSEMBLING YOUR FSI DECON SHOWER/SHELTER

CONTENTS

INTRODUCTION

Thank you for purchasing the FSI® DAT® series portable inflatable/framed shelter/shower unit. They have been designed for rapid deployment and ease of use in emergency situations, offering a top quality multi use compact inflatable structure. FSI® showers/shelters are offered as complete -SYS Systems, with multiple optional items available from FSI including HVAC, water heaters and cooling systems, elevation grids, bladder tanks, waste pumps, air filtration units, lights, conveyors, backboards, etc. FSI® products provide reliable operation in demanding conditions and situations when used and maintained correctly.

Important Notes

This operation manual should be thoroughly reviewed and understood prior to initial use of the unit.

If you are new to FSI® Shelters/Decon Showers, for your own comfort and safety, we strongly recommend you obtain handling and operation experience before assuming command of the unit. Your FSI® authorized distributor will be pleased to advise and assist you.

PLEASE KEEP THIS MANUAL IN A SECURE PLACE AND KEEP IT WITH THE UNIT PERMANENTLY.

If there are any questions or concerns, please contact FSI® prior to operation.

Please note FSI® cannot be held responsible for any damage and/or equipment malfunction, resulting from the lack of reviewing and following instruction manual instructions, and/or from lack /absence of proper care and maintenance.

FSI® operates a policy of continual product development, and as such both the product and this manual may be subject to technical alterations without notice.

This manual should be made available to the operating personnel for reference purposes in the event of an operating/technical query.

On scene coordinators are responsible at all times for the correct and proper use, movement, carry/lift weight per person, cleaning & use in various dangerous environments. FSI® merely supplies set-up, care, use & maintenance guidelines.

The DAT® Series Inflatable structures get their form, strength and stability by means of inflation with air. The tent is designed as a temporary shower/shelter for multi purpose uses.

ATTENTION: This warning symbol appears in the operating manual next to operating and safety instructions dealing with rules, regulations and instructions for the proper operation of your FSI® unit.

SAFETY INSTRUCTIONS

This operation manual should be reviewed and thoroughly understood prior use of the unit.

FSI Pneumatic showers/shelters require a compressed air/electric inflator/deflator source to inflate them. Operators should be familiar with the use of the air source utilized, and aware of any risks associated with it.

The weight of the FSI units vary dependent on the model purchased. The units are supplied in a carry sleeve/bag* fitted with handles to permit two or more people to carry the unit. The carry sleeve/bag* is not to be dragged-but lifted and carried by the appropriate number of personnel that on-sight coordinators may deem appropriate.

When used in a hazmat incident, FSI units may come in contact with substances 'hazardous to health'. Should this happen, they should be thoroughly cleaned to prevent contamination of personnel and any possible cross contamination of equipment etc. Operators should be aware of this risk, and wear appropriate personal protection to avoid coming in contact with these substances. On scene coordinators must manage and be completely responsible herein.

ATTENTION: FSI Showers/Shelters (as of 09/01/02) are fitted with an overpressure valve on the inflatable structure, to prevent the unit from over-inflating and possibly bursting. This valve is fully automatic in operation, and must not be blocked or adjusted in any way. If using compressed air to inflate unit, an operator must stand by at all times and immediately turn off compressed air source when the overpressure valve is activated as noted by the "hissing" sound of escaping air. At all times ensure the high pressure air fill hose is locked to the supplied O/D ring on the air berm with the supplied locking wire.

TEMPERATURE USE GUIDELINES FOR PNEUMATIC DAT SERIES SHOWERS AND SHELTERS

ATTENTION: **Hot air expands and cold air compresses and so the weather impacts the air berms of your DAT series product in use.**

COLD WEATHER USE:

Recommended for use in temperatures to -30 C (-22 F)

Fully inflate to the point of the over pressure valve almost being activated (if activated cease air fill immediately) if being used in extreme cold weather since the cold air will actually contract inside the berms and the air berms may feel slightly 'soft' to the touch.

WARM WEATHER USE:

Recommended for use in temperatures to +40 C (+104 F)

When temperatures during use are to exceed 30 degrees C (86 F) be aware hot air expands and so manually reduce the air pressure in the air berms or allow over pressure valves to activate. As the evening shift arrives in continued use, and air temperature drops re-inflate the unit as colder air causes internal air pressure to decrease.

AT THE COMMENCEMENT OF EACH SHIFT FSI STRONGLY ENCOURAGES AND RECOMMENDS THAT THE AIR PRESSURE INTERNALLY BE CHECKED AND ADDRESSED AS ABOVE, AND THAT A COMPLETE SYSTEMS CHECK OCCUR ON ALL ITEMS IN USE WITH THE DAT SERIES SHOWER OR SHELTER SYSTEM.

ATTENTION: **When removing FSI showers/shelters from the carry sleeve/bag, ensure there are no sharp objects or glass on the floor that might tear or puncture the inflatable structure. Avoid dragging the unit over rough surfaces. The use of a tarp/groundsheet is strongly recommended for inexpensive protection and maximum longevity of the floor and berms.**

PRINCIPLES OF OPERATION

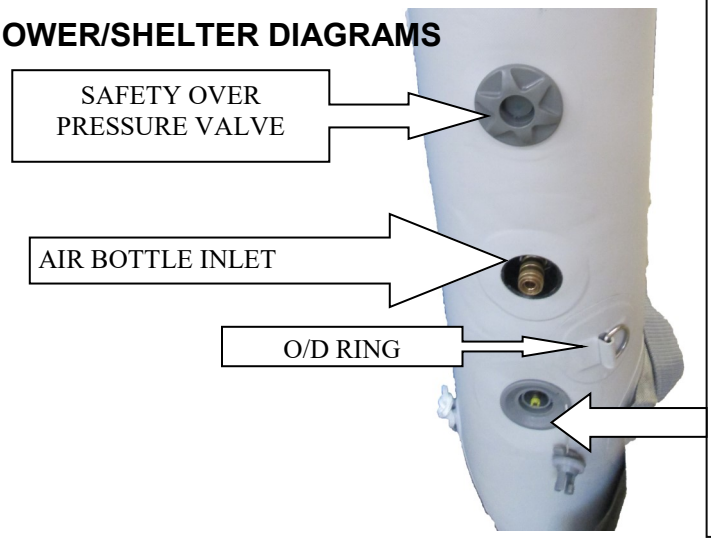
FSI® Pneumatic showers/shelters are inflated via the use of a compressed air source/electric inflator/deflator and inflation time is approximately 45 seconds to 5+ minutes (size of unit dependent).

Over-inflation of the structure is designed to be prevented via the inclusion of a pressure relief valve fitted to the unit. **If using compressed air to inflate unit, an operator must stand by at all times and immediately turn off compressed air source when the overpressure valve is activated as noted by the "hissing" sound of escaping air. At all times ensure the high pressure air fill hose is locked to the supplied O/D ring on the air berm with the supplied locking wire.**

The structure has reinforced air inflated berms and is usually fitted with two external zipped doors, the first is the entrance door, and the second is the exit door at the other end as determined by on-scene coordinators.

To deflate the unit an inflation/deflation valve is so equipped to release the air in the structure via a quarter turn 'push in' stem, allowing the FSI® shower/shelter to deflate. Use the supplied inflator/deflator to 'suck' all air out of the unit until flat to the naked eye. The unit can then be carefully folded, as it was received, and packed into the carry sleeve/bag supplied for safe transportation and storage.

FSI SHOWER/SHELTER DIAGRAMS



ELECTRIC INFLATOR / DEFLATOR
INLET AND DUMP VALVE

INFLATION: Push in and quarter turn clockwise to lock valve open. When unit fully inflated push in and quarter turn counter clockwise to allow valve to pop up and close. Your shower/shelter is now ready for use.

DEFLATION: To deflate, push in and quarter turn clockwise to lock valve open. Air will rush out and unit will begin to deflate. Ensure the tie down ropes are used to assist the unit in returning to the ground by pulling them toward each other allowing the unit to collapse into its' own footprint. Use the deflation end of the electric inflator/deflator to 'such' the remaining air out of the unit until flat to the naked eye. Then push in and quarter turn counter clockwise to allow valve to pop up and close.

FSI® SHOWER/SHELTER PACKING LIST

FSI showers/shelters consist of the following items:

Showers/Shelters in carry sleeve/bag

High Pressure Air inlet hose and SCBA fitting to fit all known scba air cylinders and repair material swatches

Full instructions for use, repair kit, stakes, tie down ropes, inflator/deflator (size depends on size of unit), and hammer.

FSI® SHOWERS/SHELTERS

FSI showers/shelters are offered with multiple optional items with a few examples as below:

Water Heater (FSI Heat 200A)

Detergent Injection System (FSI HEAT 201)

Conveyor Systems (F-RS shown)

F-GH (50')
F-GH35
F-GH25
F-GH10

HOSES
F-GH503510
F-GH5025

F-MX1 (Spine Board/ Transfer Board)

Waste Water Pump (F-WSP33AA)

Elevation Grid (F-TDMSPC)

Water Heater (F-ECC150WH)

Ground Tarps Asst. sizes

Air Heaters (F-ZHAF and F-ZHAFD)

HVAC (F-DI35HP0100CM)

Heavy Duty Bladder Tanks (F-HD150BT, F-HD300BT, F-HD600BT)

Manifolds (F-MMU153, F-MMU253, F-MMU156, F-MMU256)

Stringable Lights F-125-0500-STL

Hand Sprayer (F-HSP)

UNPACKING FSI® SHOWERS/SHELTERS

To unpack FSI® shower/shelter and if a pneumatic unit, make ready for inflation

Undo carry bag/sleeve and remove unit. If no groundsheet or tarp is readily available, the carry sleeve/bag fully flattened out can be used as a partial emergency groundsheet to protect the shower/shelter.

Ensure surface is flat and free of sharp objects, place groundsheet / tarp on ground (FSI® offers as an option), then unroll FSI® unit either onto groundsheet or onto ground **carefully**.

NOTE! LIFT - Do not drag on ground!

Place FSI® unit to suit all site and incident requirements, ensuring entry/exit doors are aligned in right direction. On-scene coordinator must make these decisions.

INFLATING FSI® SHOWERS/SHELTERS FOR USE

Follow all instructions located above the fill valves on every unit EXACTLY.

If using an SCBA cylinder and the supplied black color high pressure fill hose with locking clip and fitting please review those instructions carefully and follow them exactly.

Follow all instructions located above the fill valves on every unit EXACTLY.
If using the supplied inflator deflator use in the manner as shown herein following all instructions located on the berms of the unit.

Allow a steady, clean flow of air to inflate the unit. It will take approx. 45 seconds to 5+ minutes to inflate the unit (size of unit dependent) from an SCBA cylinder, and slightly longer if using a compressor or the electric inflator/deflator. Remove/disconnect inflator/deflator once unit is fully inflated.
NOTE! Support roof of FSI shelter as it inflates! (help unit stand) . In deflation mode ensure the tie down ropes are used to assist the unit in returning to the ground by pulling them toward each other allowing the unit to collapse into its' own footprint.

INFLATION USING HIGH PRESSURE COMPRESSED AIR:

With on-scene coordinator oversight, carefully attach hose to scba/dive air cylinder and lock hose to air berm D ring using supplied locking clip. Then turn on cylinder air VERY slowly. Then inflate unit until overpressure valve operates - indicated by sound of escaping air (escaping air can also be easily felt by hand. **IMMEDIATELY** turn off compressed air supply. The overpressure valve will close automatically when excess air has escaped from unit. **NOTE! Never cover/block the overpressure valve, as the unit may become over pressurized and fail.**

Make the following final checks:

Check that the unit is upright, that all valves are closed, and no leaking is occurring. If, in the unlikely event a leak is discovered, deflate unit and repair before using. (See instructions for notes on how to repair punctures.)

In the event of/in case of windy conditions, always tie off unit to the ground using supplied tie down ropes and stakes, and/or lash to solid objects (e.g., vehicles).

OPERATING FSI UNIT - WATER INLET PRESSURE GUIDELINES

FSI Shower systems have all been designed to handle a maximum incoming water pressure of approx. 55 psi (3.6 Bar). If the water pressure coming into the FSI shower unit is unknown or will exceed 55 psi – FSI requires the use of a water pressure reducer – available from FSI.

**** INLET WATER PRESSURES in FSI Decon Shower Systems:**

Each and every section of spray nozzle heads and multiple function trigger guns is equipped with a shut off valve and a quick disconnect feature. If you find the inlet water pressure is not capable of feeding all water outlets with sufficient water pressure to provide a proper shower – then shut off all shower heads not currently being used . This will best ensure maximum water pressure is available where it is needed.

FSI® DAT® AND DAT® 'QE SERIES'® DECON SHOWERS ARE ANSI 113 COMPLIANT.

FSI units have been designed for use by personnel with some knowledge or training in decontamination procedures. On-scene coordinators must always determine correct use. Proceed as follows:
Unzip / separate velcro closure doors at the entrance to the unit. The entrance is normally the location nearest to the inflation/overpressure valves but this must be as determined by on-scene coordinator.
At night, the relatively translucent construction and reflective striping above the doors and on the berms of the FSI unit will allow light from external sources to illuminate the interior and clearly show the entry and exit points.

STOWING FSI® SHOWER/SHELTERS:

If using Accessories such as air/water heaters/ decon showers, disconnect and remove all showers, heating , air cooling units, lights, elevation grids, and so forth from inside the shower/shelter or in close proximity to.

Wipe up any residual water inside the unit, and make sure interior is completely dry.

To deflate unit, make sure the entrance and exit doors are unzipped and rolled up.

Ideally place one person or more at each end of FSI shelter; then open the deflation/dump valve.

The FSI shower/shelter will rapidly deflate (usually within 1 minute or so). As the unit collapses, each person should pull inwards on the end pillars, so the roof collapses neatly on top of the lower part of the unit.

Ideally fold the shower/shelter back up exactly as received. Failing that, fold the shower/shelter in three or more sections starting at the end furthest from the deflation/dump valve. This will further squeeze air from the unit.
HINT: It is best to use the supplied electric/inflator/deflator to fully remove air from the unit, but not essential.

Place the carry bag/sleeve over the top of the folded unit, then roll the unit over so the bag/sleeve is now the right side up. Alternately fold the unit so the final melon roll fold places the unit largely in the fully laid out carry bag/sleeve. Center unit in carry bag/sleeve and pull/cinch straps tightly.

The FSI unit is now ready for transport and storage.

DIS-ASSEMBLY /STORAGE/MAINTENANCE/CLEANING MAINTENANCE:

All equipment should be stored dry, with no water left in/on the unit. It is important to dry off the unit completely before final packing into the carry bag/sleeve. This may not be feasible immediately after use, and might be better done back at the storage site.

While all canopy fabrics have been heavily impregnated with mildew resistant antibacterial agents that meet and exceed US Fed. Test MIL.STD.810E 508 please note that storing fabric shelters/ showers 'wet' with either water and/or detergent residue on the canopies may result in the growth of surface mold and an accompanying mold odor on the surface of the canopies. The canopies themselves will not rot or mildew, but the growth of surface mildew/mold in/on the residue is a given if stored 'wet'.

- Before storage, check that all parts are present, and replace any missing items at the earliest opportunity.
- Inflate at regular intervals to allow air through the unit, and to check there are no leaks in the structure.
- Should a minor leak or rip be discovered - repair it using the repair kit provided, or return to FSI® if significant damage has occurred. Instructions on undertaking minor repairs are shown in section 10 of the manual.
- For major repairs, contact either FSI® or your local Agent / Representative. It is possible the entire unit may need to be returned to FSI®. On reporting the nature of the damage, we will be able to advise the best course of action.
- After checking, ensure FSI® shelter is dry before repacking and storing.

DISASSEMBLY:

- Remove all loose items such as equipment and furniture and thoroughly clean the floor.
- Remove all stakes and fittings and accessories.
- Push and turn the center valve core 1/4 clockwise. The air will come out automatically.
- Deflate
- Depress the tubing manually to remove remaining air.

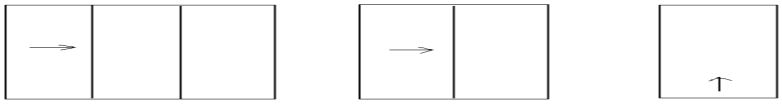
Folding:

The object is to observe the folding sequence when the unit is new and first unpacked to ensure unit can be returned to the carry bag/sleeve.

Ensure all air has been evacuated from frame.

Close the valve.

Fold as below.



Roll from end.
Put it in supplied carry bag/sleeve and fasten it.

Storage:
Allow your air tent to dry thoroughly in the shade or inside before storing, never in bright sunlight. Store your air tent, while drying, in a cool, flat and dry place (in as close to room temperature conditions as possible) with some air in the air berms if at all possible. If the above is not possible, empty the air tent of air completely and roll it up loosely, to allow for drying.

Cleaning:
The surface of the unit should be cleaned with a solution of mild soap and fresh water after each use. To avoid abrasion and wear, be sure that all the sand, small rocks, oil and dirt have been removed from the air berm surfaces, with attention paid to the floor areas nearest the vertical air berms.

**** WARNING: NEVER USE PETROL OR SOLVENT FOR CLEANING**

Maintenance:

Clean your unit with fresh water and a mild detergent soap.
When you intend to store the unit for a long time without use, we would recommend you establish a protocol to inflate it monthly and check if it all is as originally left.

TROUBLESHOOTING / REPAIRS

Your FSI shower/shelter should provide a long and trouble free operational life span. It has been designed such that no spares need be kept other than consumable items and accessories you may elect to purchase. However, under certain circumstances the potential exists for issues to occur; and their identification and possible rectification are as listed below:

INFLATABLE BERM LEAKS:

Identified by the FSI unit collapsing with time. A “hissing” sound might be heard if leak is severe.

TO FIND A LEAK:

1. Listen for “hissing” sound of air escaping.
2. Check likely sources of leaks, such as all valves. Check overpressure valve and both high and low pressure air inflation valves for the sound of escaping air.
3. Remove closure cap and check that the low pressure inflation/deflation valve is closed and not leaking.
4. If valves are OK, check the inflatable structure for obvious signs of damage.
5. If leak cannot be traced, mix a solution of soap and water. Using a brush, paint solution onto welding joints, around valves, etc., until solution forms bubbles. This is the source of the leak.

IF HIGH AND/OR LOW PRESSURE INFLATION/DEFLATION VALVE LEAKS:

Valve may have dirt or dust contamination, preventing valve spring from closing the valve completely. Carefully LIFT/PULL center of valve with hand or small blunt object, and clean with high pressure compressed air.

IF OVERPRESSURE VALVE LEAKS:

Valve may have dirt or dust contamination, preventing valve spring from closing the valve completely. Carefully LIFT center of valve with small blunt object, and clean with high pressure compressed air.

TO REPAIR A LEAK:

Once leak has been found, deflate unit fully, and lay unit out flat on the ground.

Ensure area around leak is dry and free of dirt or contaminants. Clean area around leak, or LIGHTLY rub area with fine abrasive paper.

Cut a patch approximately 25mm (1”) larger, on all four sides, than the size of the hole. Spare material is included in the repair kit provided with every shower/shelter unit.

Apply adhesive from the tube provided to BOTH surfaces, ensuring all areas are adequately covered with glue. Leave for 2–3 minutes until adhesive is “tacky” to the touch. *** With each use of your FSI shelter or shower, or at least 2X per year, also check the glue in the tube provided in the repair kit. This small amount of glue can cure/dry out very quickly and may need to be replaced periodically as a standard operating procedure. Purchase orders may be placed for part # F-STMEKG.*

Place the patch over the hole, and apply pressure or heavy weight to both surfaces. Maintain pressure for several minutes, until adhesive is dry.

Once dry, inflate unit and check for leaks. If at all possible, allow all patch work to cure for at least 24 hours before fully re-inflating and using the unit.

SEE DETAILS BELOW

SMALL TEARS, CUTS AND PUNCTURE REPAIRS DESCRIPTION:

Use the enclosed repair kit for small punctures. Clean the fabric around the area to be repaired using M.E.K or acetone, then re-clean as before. Apply a coat of glue to the damaged area and to the patch material, allowing it to dry for 2 - 3 minutes. It is strongly recommended that all patch work be allowed to cure at least 24 hours before re-inflating the unit.

Large Repairs of Berms and Seams Description:

It is recommended that the air shelter/shower be returned to FSI or an authorized FSI dealer for all large repairs.

FSI® DAT® SERIES PNEUMATIC SHELTERS

All Shelters have full privacy zipper closure and full screen zipper closure slip in and out dirty entry/clean exit doors, high pressure and low pressure inflation deflation valves and pressure relief valves based on size of unit as detailed below, one high pressure compressed air inflation hose with SCBA adapter w. safety cord, tie down ropes and D-rings to tie off to, 2 upper air vents, repair kit, manual, shelter carry sleeve/bag, and a hammer. All canopy walls are velcro'd to the floor air berms for air lock, and reflective striping is found on the upper air vents above entry and exit doors. Units can attach to a second FSI shelter or shower, if so ordered and specified. Simply inflate the unit and commence use in approx. 1 -15 minutes (size of shelter dependent).

Every shelter with a width of over 11 ft. - regardless of length and overall size offers a top center air berm running the entire length of the unit at the roof line and secondary full center length air berms running on either side of the main center berm approx. 18 - 24" off center. FSI offers a total of five 8" - 12" diameter lateral roof support air berms - size of shelter dependent. FSI shelters lead the industry in terms of weight/ snow bearing capabilities/strength. Whatever the specification at hand FSI meets and exceeds herein.

Every FSI® DAT® series shelter comes complete with electric inflator/deflator, and high pressure compressed air fill hose and universal high pressure scba fitting.

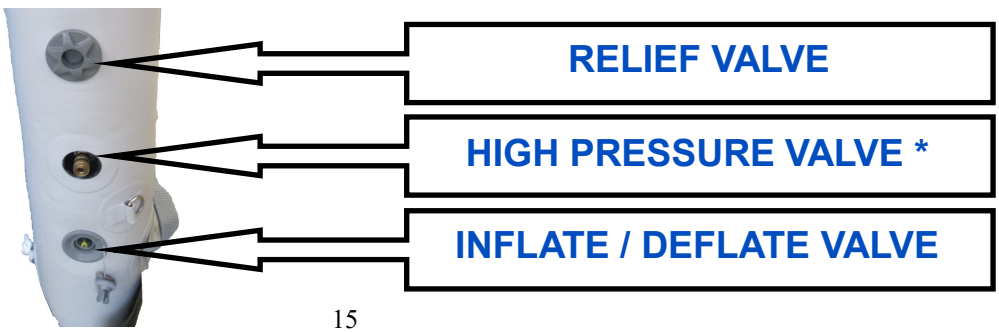
All units supplied w. no charge redundant features allowing for - hanging undress/redress kits etc. on the inlet and outlet side; or for use as handles in the event a victim is in such need.

All DAT® series shelters available with cross and center divider curtains, side doors, extra windows, skylights, HVAC/clothing ducts with ties, etc. as per published FSI literature/pricing/specs.

Multiple optional accessories available inclusive of air heaters, air coolers, elevation grids, waste water pumps, etc. available. Visit www.fsinorth.com

FSI Valves Quantity for different units 021616

PART NUMBER	INFLATE / DEFLATE VALVE	RELIEF VALVE	HIGH PRESSURE VALVE *
SHOWERS			
DAT1010S - DAT2020S - DAT3030S - DAT2525S	1	1	1
DAT3535S - DAT3060S - DAT4070S - DAT4099S	2	1	2
SHELTERS / ISOLATION SHELTERS / FIELD HOSPITAL SHELTERS OF SAME SIZE			
DAT3030 - DAT3015	1	1	1
DAT3060 - DAT3370 - DAT4070 - DAT5672	2	1	2
DAT6000 - DAT6012	2	2	2
DAT7500	3	3	3



* FSI supplied high pressure valve to be filled with compressed air using only FSI supplied high pressure air fill hose with locking connector and universal scba adapter."

FSI NORTH AMERICA® SAFETY THROUGH TECHNOLOGY A Division of Fire Safety International www.fsinorth.com

SHELTER SPECIFICATONS

FSI PART NUMBER	APPROX. SIZE	SQ. FT.	SIDE WIN-DOWS	SKY-LIGHT WIN-DOWS	HVAC/CLOTHES INLET/OUTLETS WITH TIE CLOSURES	STAKES	TIE DOWN ROPES	AP-PROX. AIR VOLUME	AP-PROX. ROOF LOAD	# OF BEDS PER UNIT	AP-PROX. UNIT WEIGHT	CARTON SIZE	APPROX. SHIPPING WEIGHT
DAT1530	10'W X 5'L X 9'H	50	2 (1EA. SIDE)	2	1	6	4	30 CU.	500 LBS	1	68 LBS	54"L X 31"W X 31"H	143 LBS
DAT2020	7'W X 7'L X 8'H	50	2 (1EA. SIDE)	2	1	4	4	30 CU.	500 LBS	N/A	60 LBS	54"L X 31"W X 31"H	135 LBS
DAT3030	10'W X 17'L X 9'H	100	2 (1EA. SIDE)	2	4 (2EA. ON OPPO-SITE SIDES)	10 (6)	4	60 CU.	1,000 LBS	2	130 LBS	54"L X 31"W X 31"H	205 LBS
DAT3015	10'W X 15'L X 9'H	150	2 (1EA. SIDE)	2	4 (2EA. ON OPPO-SITE SIDES)	10 (8)	4	90 CU.	1,000 LBS	4	200 LBS	54"L X 31"W X 31"H	275 LBS
DAT3370	13'W X 17' L X 9'H	221	4 (2EA. SIDE)	2	4 (2EA. ON OPPO-SITE SIDES)	14 (8)	4	125 CU.	1,800 LBS	6	240 LBS	61"L X 33"W X 33"H	315 LBS
DAT3060	11'W X 31'L X 9'H	230	4 (2EA. SIDE)	2	4 (2EA. ON OPPO-SITE SIDES)	14 (10)	4	125 CU.	1,600 LBS	6	243 LBS	61"L X 33"W X 33"H	318 LBS
DAT4070	13'W X 23'L X 9'H	300	4 (2EA. SIDE)	2	4 (2EA. ON OPPO-SITE SIDES)	16 (10)	4	165 CU.	2,200 LBS	7	280 LBS	61"L X 33"W X 33"H	355 LBS
DAT4360	17' W X 21'L X 9'H	357	4 (2EA. SIDE)	2	4 (2EA. ON OPPO-SITE SIDES)	16	4	175 CU.	2,200 LBS	8	320 LBS	61"L X 33"W X 33"H	395 LBS
DAT6624	20' DIAM. X 9'H	400	4 (2EA. SIDE)	2	4 (2EA. ON OPPO-SITE SIDES)	14	4	195 CU.	2,300 LBS	10	400 LBS	61"L X 33"W X 33"H	475 LBS
DAT5672	18'W X 24'L X 9'H	432	4 (2EA. SIDE)	2	4 (2EA. ON OPPO-SITE SIDES)	14	4	195 CU.	2,300 LBS	11	430 LBS	61"L X 33"W X 33"H	505 LBS

DAT5699	15'W X 30'L X 9'H	450	4 (2EA. SIDE)	2	4 (2EA. ON OPPO-SITE SIDES)	14	4	195 CU.	2,300 LBS	11	430 LBS	61"L X 33"W X 33"H	505 LBS
DAT5700SP	22'W X 23'L X 10'H	506	4 (2EA. SIDE)	2	4 (2EA. ON OPPO-SITE SIDES)	14	4	215 CU.	2,350 LBS.	12	399 LBS	61"L X 33"W X 33"H	474 LBS
DAT5800	20'W X 26'L X 9'H	520	4 (2EA. SIDE)	2	4 (2EA. ON OPPO-SITE SIDES)	14	4	215 CU.	2,400 LBS	12	499 LBS	61"L X 33"W X 33"H	574 LBS
DAT6000	20'W X 30'L X 9'H	600	6 (3EA. SIDE)	3	8 (2EA. PER END PER SIDE)	16	12	300 CU.	2,600 LBS	15	570 LBS	61"L X 33"W X 33"H	645 LBS
DAT6500	25'W X 26'L X 9'H	650	6 (3EA. SIDE)	3	8 (2EA. PER END PER SIDE)	12	4	305 CU.	2,600 LBS	16	590 LBS	61"L X 33"W X 33"H	665 LBS
DAT6600	20'W X 33'L X 10'H	660	6 (3EA. SIDE)	3	8 (2EA. PER END PER SIDE)	12	4	305 CU.	2,600 LBS	17	600 LBS	61"L X 48"W X 48"H	675 LBS
DAT6012	20'W X 40'L X 11'H	800	6 (3EA. SIDE)	3	8 (2EA. PER END PER SIDE)	16	12	400 CU.	4,000 LBS	20	710 LBS	61"L X 48"W X 48"H	785 LBS
DAT7500	24'W X 40'L X 11'H	960	6 (3EA. SIDE)	3	8 (2EA. PER END PER SIDE)	20	12	500 CU.	4,800 LBS	25	925 LBS	61"L X 48"W X 48"H	1,000 LBS
DAT9018	30'W X 50'L X 13'H	1,500	8 (4EA. SIDE)	4	8 (2EA. PER END PER SIDE)	12	20	750 CU.	4,800 LBS	35	1,299 LBS	61"L X 48"W X 48"H	1,374 LBS
DAT9099	20'W X 75'L X 11'H	1,500	8 (4EA. SIDE)	4	8 (2EA. PER END PER SIDE)	34	12	750 CU.	4,800 LBS	35	1,299 LBS	61"L X 48"W X 48"H	1,374 LBS
DAT10800	37'W X 50'L X 13'H	1850	8 (4EA. SIDE)	4	8 (2EA. PER END PER SIDE)	28	12	850 CU.	4,800 LBS	50	1,599 LBS	61"L X 48"W X 48"H	1,674 LBS
ALL UNITS HAVE A WIND RESISTANCE OF 70 MPH.													

FSI Hazmat Decontamination Quality Conformance Certificate

FSI is pleased to so advise and state that all FSI DAT ® Series Hazmat Decontamination Shower and Shelter Systems are produced with the finest materials and using the finest current technologies in the world to produce leading edge Hazmat Decontamination products suitable for use by Fire Brigades, Hospitals, Military, Emergency Management Agencies, Industry, other.

All FSI products are thoroughly tested to ensure proper performance in accordance with the FSI specifications – based on the FSI DAT ® Series product procured.

All Accessories offered with FSI DAT® series Shower and Shelter Systems have been manufactured by or for FSI in accordance with all existing and known North American and accepted World standards, if any. In any case all such products are thoroughly tested to ensure proper performance in accordance with Manufacturer and FSI specifications.

FSI Decon showers meet and exceed the ANSI # 113 portable hazmat decon shower standard and FSI utilizes only CPAI84 and NFPA701/702. FR rated fabrics.

FSI self certifies all products as being of the highest quality and have so offered same since our inception.

Other standards FSI products do meet and exceed are as follows:

FSI® DAT® SERIES PNEUMATIC SHELTER SYSTEMS

GENERAL SPECIFICATIONS

Frame/ All Shower Pools: Heavy Duty 1100 Dtex* polyester coated w. plastomer on both sides, UV/Chemical resistant, quadruple overlapped and glued.
Air pressure internally once inflated = 4.3 psi (0.3 bar) USA Federal Standard FS # 191 5041/5102/5134/5970 and DIN EN ISO 2060/1409-2/2286-1 AND DIN 53354/53363/53357/53361 Test method structural test results.* Total Weight (g/m2) – 1055 Thickness (mm) – 0.90 Cut strip tensile strength (lbs. /in.) – Warp = 440 - Weft = 380 Elongation (%) – Warp = 27 - Weft = 30 Tongue tear (lbs.) – Warp = 30– Weft = 35 Adhesion (lbs. /in.) – Warp = 21 – Weft = 21 Density = 28 X 26. Meets NFPA 701 and DIN4102-B1, M-2. *Production lot runs can result in variances and all results are approx.

Canopy: Heavy duty 100% nylon twill (3/5) w. PU white pigment inner coating, ABT. 0 23mm X 57/58. Wt. 230GR/Sq. M + or - 5 % (approx. 192.3gr/sq. yard - 6.78 ounce) - UV/chemical resistant/fire retardant – Rated Ultra Violet Protection (UPF) of 50+ where ASTM D6603 states a UPF of 40+ is rated Excellent; and water repellent w. a hydrostatic resistance of 250 psi + - Anti fungus/Mildew resistant to meet and exceed US Fed. Test MIL.STD.810E 508 and ASTM G 21-96 (2002); Water Resistance (ISO 811 (E) 1981, hydrostatic pressure test at water pressure 600 m/min. = 5540; Tensile Strength (ISO 13934-2: 1999 C.R.E. Method in N) - warp = 1300 - weft = 1500; Tear Strength (ISO 13937-1:2000, Pendulum method) - Warp = 25 Weft = 43; Burst Strength (ASTM 0 3787:2001, C.R.E. Ball bursting method N) = 1620; Seam Strength (ISO 13935-2: 1998, Grab method N) Sewing threads fail at 710; Burst Strength 4020 kPa per ASTM D3786/D3786-13; Fire resistance meets and exceeds CPAI 84 SECTION 5 1995, US Fed. Test CFR.1610, meets NFPA701 Flammability Test method 1 (2004), NFPA 701: 2015 Test Method 2 (plat) Large Scale, NFPA 702 w. 'A' burn scale rating, Japan JIS A 1322: 1966, Meth-od A. All seams double stitched and coated both sides.

Inner Canopy: If applicable - of 100% NYLON 210T ANTRON W/R, POLYURE-THANE COATED 57/58", Color: White - Flame Retardant to meet 'NFPA-701 TM-1', Anti-fungus/Anti-mildew, opaque

Floor: 1,000 dtex 0.58mm Nylon coated w. PU, tensile strength: 2545N/2360, Tear Strength: 106/102N, weight: 660 grams per sq. mm 60" W.

Standard color is 'FSI Blue'® exterior w. high visibility white inside color. Red/Green/White/Sand exterior canopy color also available as standard. Other colors optional P.O.A.

GENERAL SPECIFICATIONS

Canopy: Heavy duty 100% nylon twill (3/5) w. PU white pigment inner coating, ABT. 0 23mm X 57/58. Wt. 230GR/Sq. M + or - 5 % (approx. 192.3gr/sq.y ard - 6.78 ounce) - UV/chemical resistant/fire retardant – Rated Ultra Violet Protection (UPF) of 50+ where ASTM D6603 states a UPF of 40+ is rated Excellent; and water repellent w. a hydrostatic resistance of 250 psi + - Anti fungus/Mildew resistant to meet and exceed US Fed. Test MIL.STD.810E 508 and ASTM G 21-96 (2002); Water Resistance (ISO 811 (E) 1981, hydrostatic pressure test at water pressure 600 m/min. = 5540; Tensile Strength (ISO 13934-2: 1999 C.R.E. Method in N) - warp = 1300 - weft = 1500; Tear Strength (ISO 13937-1:2000, Pendulum method) - Warp = 25 Weft = 43; Burst Strength (ASTM 0 3787:2001, C.R.E. Ball bursting method N) = 1620; Seam Strength (ISO 13935-2: 1998, Grab method N) Sewing threads fail at 710; Fire resistance meets and exceeds CPAI 84 SECTION 5 1995, US Fed. Test CFR.1610, meets NFPA701 Flammability Test method 1 (2004), NFPA 702 w. 'A' burn scale rating, Japan JIS A 1322: 1966, Meth-od A. All seams double stitched and coated both sides.

Inner Canopy: If applicable - of 100% NYLON 210T ANTRON W/R, POLYURE-THANE COATED 57/58", Color: White - Flame Retardant to meet 'NFPA-701 TM-1', Anti-fungus/Anti-mildew, opaque

Floor: 1,000 dtex 0.58mm Nylon coated w. PU, tensile strength: 2545N/2360, Tear Strength: 106/102N, weight: 660 grams per sq. mm 60" W. Standard color is 'FSI Blue'®. Red, Green, White and Tan/Sand also available as standard. Other colors offered P.O.A.

Frame/Hub: New patent pending Hub design that is far more durable, and stable, and easier to assemble or replace as needed. DAT QE Frame/Hub Material Specifications:
Hub is of forged high density poly-fibers
Frame Dimensions:
Outer Diameter: 15.72±0.25
Wall Thickness: 1.68±0.25
Carbon Content: 25±2.0%
Specific Gravity: 1.8~2.1
*All testing below use ASTM and National Test standards

Mechanical Properties:
Tensile Strength (ASTM D638, National GB1447-83): L=3000~5200 KG/Cm²; T=2000~5000 KG/Cm²
Tensile Modulus (ASTM D638, National GB1447-83): L= 3.8~6.7×10^5 ; T= 1.5~6.0×10^5 KG/Cm²
Flexural Strength (ASTM D790, National GB1449-83): L= 3000~6200; T=2500~5000 KG/Cm²
Flexural Modulus (ASTM D790, National GB1449-83): L=4.9~12.6X10^5 ; T=1.8~10.6X10^5 KG/Cm²
Compressive Strength (ASTM D695, National GB1448-83): L=2000~4000; T=1480~3480 KG/Cm²
Shear Strength (ASTM D732, National GB1450-83): L=4540~8600; T=2540~6600 KG/Cm²
Izod Impact Strength (V Type) (ASTM D256, National GB1451-83): L=250~900; T=200~700 KG.CM/ Cm²

Electrical Properties:
Volume Resistance (ASTM D257, National GB1410-78): 10^{12}~10^{15} Ω.CM
Surface Resistance (ASTM D257, National GB1470-78): 10^{12}~10^{15} Ω
Dielectric Constant (ASTM D150, National GB1409-79): 3~5
Dissipation Factor (ASTM D150, National GB1409-79): 0.05
Breakdown Voltage (ASTM D149, National GB1408-78): 13~40 KV/mm
Arc Resistance (ASTM D495, GB1411-78): 60~80(S)

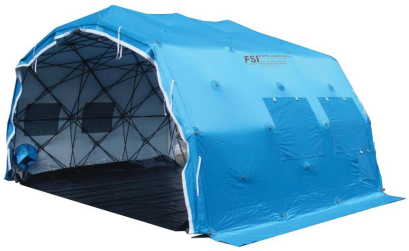
QE SERIES® 'Quick Erect' General Set up and Tear down Instructions:

All parts are pre-assembled with no special tools required. All components are of interconnected scissor type connected expansion frame components.
To 'Quick Erect' simply have 2-4 support personnel grip side frame on each side. Pull the width support frames slowly – and then ease roof frame upwards with the push poles until locked in place. Check and final position canopy and floor. Commence use.
Standard color is 'EMS' Blue exterior w. high visibility white inside color. Green, White, and Tan/Sand exterior canopy color also available at no extra cost. Other colors available P.O.A.
All Shelters have full privacy zipper closure and full screen zipper closure slip in and out dirty entry/clean exit doors, tie down ropes and 4 D-rings to tie off to, repair kit, manual, shelter sleeve, 2 upper air vents, and a hammer. All canopy walls are above and attached to the frame and flooring for air lock, and reflective striping is found on the upper air vents above doors. Units can attach to a second shower or FSI shelter. Simply unfold/pop up the unit and commence use in less than 5 minutes (size of shelter dependent).
Every FSI DAT® QE series® shelter comes complete w. no charge redundant features allowing for - hanging undress/redress kits etc. on the inlet and outlet side.
All DAT® QE series® shelters available with cross and center divider curtains, side doors, extra windows, skylights, HVAC/clothing ducts with ties, etc. as offered in published FSI price lists and at www.fsinorth.com Multiple optional accessories available inclusive of air heaters, air coolers, elevation grids, waste water pumps, etc. available.

FSI DAT® QE series® shelter MODEL DETAILS AS BELOW

Measured inside to inside - outside to outside add approx. 1.5 Ft. per dimension.
Patent pending retractable carbon composite tubing shelter with canopies, floors, carry sleeves/bags just as with FSI DAT® series air inflatable products -- see detailed specifications

DAT® 'QE SERIES'® 'QUICK ERECT' SHELTER



Step 1: Spread groundsheet

Step 2: Place shelter bag/sleeve in the middle of groundsheet.

Step 3: Remove shelter bag/sleeve. You should arrive at the picture on the left. It is important to spread the groundsheet first to protect the shelter from possible damage.

Step 4: With 2/4 persons (size and shelter dependent), stand at each corner of the shelter.

Step 5: Spread/pull the shelter frame apart. Take note not to step on the canopy fabric. Also take note that the spreading/pulling should be done uniformly, with equal speed.

Step 6:Support the shelter halfway. Lift the shelter slightly on both sides so that a person can go beneath and place a push pole inside as per picture on left. Lock the push pole into roof frame slots as available.

SET UP TIPS:

1. *An important tip for setting up the struts correctly is to push the shelter together upwards. If one side pushes and the other does not, there will be applied stress on one side as the frame is articulating.*

2. *Make sure the push rods do not slide off while pushing upwards—this can be achieved by having the push rod tip fitted inside the wire hubs.*

Step 7: With equal force on each side, lift the shelter upwards until the frame is fully extended and locked in place.

Step 8: Attach shelter floor by attaching supplied floor straps to frame.

Take note to watch the posture of lifting to prevent back injuries. Small QE SERIES® Shelters/Showers may be deployed with as few as 2 personnel while larger units may require 4 or even 6 personnel to deploy. The on-scene coordinator must determine the number of personnel required based on size, weight and organization rules and regulations.

FSI DAT® 'QE Series'® 'QUICK ERECT' SHELTERS

Measured inside to inside - outside to outside add approx. 1.5 Ft. per dimension.

Patent pending retractable carbon composite tubing shelter w. patent pending high density polyfiber hub with canopies, floors, carry sleeves/bags just as with FSI DAT® series air inflatable products - see detailed specs.

DAT QE1358	FSI DAT® 'QE' 'QUICK ERECT' SHELTERS - Approx. 13.5' W X 8' L X 8.5' H - shelter only, 108 sq. ft., 160 lbs.
DAT QE13512	FSI DAT® 'QE' 'QUICK ERECT' SHELTERS - Approx. 13.5' W X 12' L X 8.5' H - shelter only, 162 sq. ft., 185 lbs.
DAT QE13516	FSI DAT® 'QE' 'QUICK ERECT' SHELTERS - Approx. 13.5' W X 16' L X 8.5' H - shelter only, 216 sq. ft., 220 lbs.
DAT QE13520	FSI DAT® 'QE' 'QUICK ERECT' SHELTERS - Approx. 13.5' W X 20' L X 8.5' H - shelter only, 270 sq. ft., 255 lbs.
DAT QE13524	FSI DAT® 'QE' 'QUICK ERECT' SHELTERS - Approx. 13.5' W X 24' L X 8.5' H - shelter only, 324 sq. ft., 305 lbs.
DAT QE1354	FSI DAT® 'QE' 'QUICK ERECT' SHELTER sections to add on to DATQE13524 - per section - Approx. 13.5' W X 4' L X 8.5' H - shelter only, 54 sq. ft., 80 lbs.
DAT QE3030	FSI DAT® 'QE' QUICK ERECT SHELTERS - Approx. 10' W X 10' L X 8.5' H - shelter only, 100 sq. ft., 155 lbs.
DAT QE1310	FSI DAT® 'QE' QUICK ERECT SHELTERS - Approx. 13' W X 11.5' L X 8.8' H - shelter only, 150 sq. ft., 180 lbs.
DAT QE3015	FSI DAT® 'QE' QUICK ERECT SHELTERS - Approx. 11’ W X 15’ L X 8.5’ H – Shelter only, 165 sq. ft. 186 lbs.
DAT QE1315	FSI DAT® 'QE' QUICK ERECT SHELTERS - Approx. 13’ W X 15’ L X 8.5’ H – Shelter only, 195 sq. ft. 205 lbs.
DAT QE3060	FSI DAT® 'QE' QUICK ERECT SHELTERS - Approx. 11’ W X 20’ L X 8.5’ H – Shelter only, 220 sq. Ft., 221 lbs.
DAT QE1321	FSI DAT® 'QE' QUICK ERECT SHELTERS - Approx. 13’ W X 21’ L X 8.5' H – Shelter only, 273 sq. Ft., 256 lbs.
DAT QE1127	FSI DAT® 'QE' QUICK ERECT SHELTERS - Approx. 11' W X 27' L X 8.5' H - Shelter only, 300 sq. ft., 280 lbs.
DAT QE1327	FSI DAT® 'QE' QUICK ERECT SHELTERS - Approx. 13' W X 27' L X 8.5' H - Shelter only, 351 sq. ft., 320 lbs.
DAT QE1624	FSI DAT® 'QE' QUICK ERECT SHELTERS - Approx. 16' W X 24' L X 10" H - Shelter only, 384 sq. ft., 335 lbs.
DAT QE1648-VAGRSP	Complete carbon fiber framed, patented hub design shelter approx. 16'W X 48'L X 10.7'H, approx. 768 sq ft (71.3 M2) complete with carry bags, push poles, inner and outer canopy and HVAC plenum with some 22 windows, 12 HVAC ducts, and 8 man doors (4 in the middle and 4 on the ends). Shipping dimensions: 2 pallets, each measuring (cm) 140 x 102 x 80 w. gross weight of 123kg per pallet (246 kg total). 2 pallets, each measuring (cm) 148 x 110 x 86 w. gross weight of 195 kg per pallet (390 kg total). For a total of 4 pallets = 636Kg (1,400 lbs approx.)
DAT QE192-33A	FSI DAT® 'QE' QUICK ERECT SHELTERS - Approx. 20' W X 35' L X 11' H - Shelter only, 700 sq. ft., 750 lbs.

All DAT® series shelters available with cross and center divider curtains, side doors, extra windows, skylights, HVAC/Clothing ducts with ties, etc. as below.	
F-CDC34A	FSI Shelter - 1/2 Cross Divider Curtain, heavy duty, non see through, light color, removable, slip thru - for DAT3060, DAT3030, DAT3015, DAT3370, DAT4070, DAT4360
F-CDC34	FSI Shelter - Cross Divider Curtain, heavy duty, non see through, light color, removable, slip thru – for DAT3060, DAT3030, DAT3015, DAT3370, DAT4070, DAT4360
F-CDC56A	FSI Shelter - ½ Cross Divider Curtain, heavy duty, non see through, light color, removable, slip thru – for DAT5672/5800/6000/6600/6012/7500/9018
F-CDC56	FSI Shelter - Cross Divider Curtain, heavy duty, non see through, light color, removable, slip thru – for DAT5672/5800/6000/6012/7500/9018
F-CD34	FSI Shelter - Center Divider Curtain for DAT3060, DAT3030, DAT3015, DAT3370, DAT4070, DAT4360
F-CD56	FSI Shelter - Center Divider Curtain as above – for DAT5672/5800/6000/6600/6012/7500/9018
F-S	Skylights for all shelters
F-STE	Private Stencil X 2 per shelter/shower/pool/other -- limited sizes/styles/colors avail.
F-STEL	Special Logo X 2 per shelter/shower/pool/other - limited sizes/styles/colors avail.
F-ERS	Red or Green reflective striping above dirty and clean entry/exit ends of decon units
F-SD	Side door for shelters
F-CBS	Heavy Duty Carry Sleeve/Bag for DAT1010S/DAT2020S/DAT2525S/DAT2626S/DAT3030/DAT3015/ DAT3535S
F-CBM	Heavy Duty Carry Sleeve/Bag for DAT3060/DAT3060S/DAT3370/DAT4070/DAT4070S/DAT4360/DAT4099S
F-CBL	Heavy Duty Carry Sleeve/Bag for DAT5672/DAT5800/DAT6000/DAT6600/DAT6012
F-CBXL	Heavy Duty Carry Sleeve/Bag for DAT7500/DAT9018/DAT9099/DAT10800
F-EW	Additional windows per shelter
F- AD	Additional approx.17" air duct cloth inlet/outlet for HVAC/Clothing/etc. w. tie closure
F-RFDK	Retrofit duct kit to add an HVAC duct to an existing FSI DAT series shelter/shower system - includes 19" dia. template, glue, boot w. velcro to affix around the cut opening, hanging HVAC duct piece
F-RV	Pneumatic replacement high pressure/inflation deflation/over pressure valves - per valve - spec. type with order
F-SC	Cloth Velcro skylight cover -- per skylight cover
F- DATTEF	approx. 5' long tunnel like extension w. floor piece to join one shelter to another
F-FL10	10" M HD Gusseted Velcro flange attached to ends or side doors of shelters to allow attach to other units side to side or end to end
DATZ	zippers on each end door Vs. flaps and tie downs
F-INSULCAN	Insulating inside canopy complete with hanging hooks for all sizes of DAT series shelters inclusive of Isolation Shelters and Medical Surge Capacity Shelters. Heavy Duty 240 gr/yd., 200 denier nylon, polyurethane coated materials dramatically improves insulating factor.
F-FLDS	Full center length internal closed air ducting 'plenum' system for all FSI shelter systems with multiple air outlet vents (size of shelter dependent) - ideal for ducting in hot/cold air and/or for HEPA/other air filtration and de-contamination with Cold Plasma/Ozone/other. -- also ideal for hiding wiring, cables, etc. internally -- 10 % of unit cost or 1,500.00 maximum when ordered as original equipment on a new product - up to 3,000.00 max or 15 % of unit cost if ordered after market

Continued:

F-STRSCR	PVC strip screen in man door widths of approx. 40" to be pre-hung on inside air berm of isolation shelters for bump thru entry/exit to better ensure minimal air flow disruption and to meet CDC required 12+ air exch./hr. PER STRIP SCREEN
F-FITMAT-HUM	Heavy duty base flooring to lay on top of existing shelter floor. 3/4" thick, water proof, non-absorbent, anti-fungal, anti-microbial, 9760 lbs. sq./ft. static load, rubber subsurface. Each module is 12" X 12" with interlocking teeth to connect to each mod
DECONTAMINATION SHOWER CURTAIN STALLS, SHOWER HEADS, BRUSHES - Where possible and feasible FSI will accommodate your request for qty. and placement of these items. Smaller shelters are more limited in scope.	
F-SCS	Shower curtain stall, heavy duty, non see through, light color, removable, slip thru, for use inside containment Decon Pool as above.
F-SH	Single hanging simple Shower head
F-SHHT	Single approx. 5' L coiled hose w. shutoff valve and multiple function trigger gun
F-SB	Gentle scrub handheld shower wand approx. 3 ft L
F-SBTG	Single multiple function trigger gun
F-MD1A	Single or double center zipper (s) in middle of single large entry door on each end of the DAT series shelters
F-MD1	Two extra full man doors on each end of DAT series showers/shelters (smallest sizes may not accommodate two full extra man doors on each end)
F-MD2	3 extra full man doors on each end of the DAT series showers/shelters. (smaller sized FSI shelters/showers may not be able to accommodate three man doors on each end)
F-ZCF	Zippered connector flaps on each end of any DAT series shower/shelter & attachable floor pieces on each end. This allows units to be joined end to end to increase size and working space via a tunnel extension on each end. Also attachable to most competitive models
DATWB	4 ft. long x 8" dia. water bladders for use when tie down ropes and stakes are not useable
F-HD150BT-BAL	150 Gal. Shelter Stabilizing Ballast. Approx. 2' X 12'. Made with HD 30 Mil XR-5 materials, w. fill/drain fitting adapter with 1-1/2-inch Iron Pipe Threads. Use when stake and peg kits cannot be used.
DAT-ZD	Zipper closure doors for any decon shower vs. the velcro closure doors supplied as standard per line add 199.00 to per unit cost. For e.g. a DAT3060S three line shower would cost an additional 597.00; a DAT2020S would cost an additional 199.00. Priced per line
F-RTRG	Red and Green Reflective Tape Strips to designate shower 'dirty' entry/'clean' exit points Approx. 5-feet total L ea. of green and red reflective tape strips on air berm sections each end.
F-LHS	Hanging Straps for placement of interior lights in decon shower lines. Per line
F-RK	FSI Shelter/Shower full repair kit from FSI in blue bag, swatches of floor/berm/canopy, glue, manual, stakes, tie down ropes, hammer, high pressure air fill hose, and high pressure scba fitting
F-RKINDE	FSI full shelter/shower repair kit from FSI in blue bag, swatches of floor/berm/canopy, glue, manual, stakes, tie down ropes, hammer, high pressure air fill hose, and high pressure scba fitting and heavy duty P-EIDHD inflator deflator
F-RSK	FSI Shelter/Shower Repair Swatch Kit from FSI in small orange container to include swatches of floor/berm/ canopy, and a small tube of MEK air berm glue
Multiple optional accessories available inclusive of air heaters, air coolers, elevation grids, waste water pumps, etc. available. Visit www.fsinorth.com	

DAT® 'QE SERIES'® 'QUICK ERECT' SHOWER

SET UP PROCEDURES FOR USE

Step 1: Spread groundsheet

Step 2: Place shower bag/sleeve in the middle of groundsheet.

Step 3: Remove shower bag/sleeve. You should arrive at the picture on the left. It is important to spread the groundsheet first to protect the shower from possible damage.

Step 4: With 2/4 persons (size and shower dependent), stand at each corner of the shower.

Step 5: Spread/pull the shower frame apart. Take note not to step on the canopy fabric. Also take note that the spreading/pulling should be done uniformly, with equal speed.

Step 6: Erect the frame by raising the center and pulling the frame sides in uniformly. When the frames are fully deployed, adjust canopy fabric as needed.

Step 7: Place the floor first inside the unit and use the Velcro to attach the floor to the inner canopy.

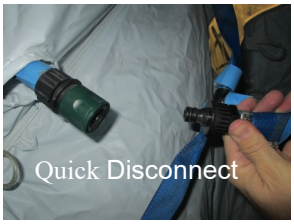
Step 8: Secure the plumbing as instructed on the next page.

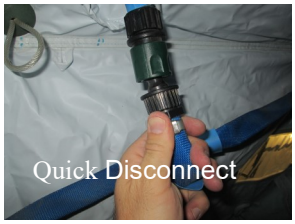
Step 9: Place the decon pool inside the unit, position, attach, and inflate for use as pictured on the next page.

SET UP TIPS

1. An important tip for deploying the struts correctly is for the 2-4 person set up crew (size of unit dependent) to push the shelter upwards together from opposite sides. If one side pushes and the other does not, there can be applied stress on one side of the articulating frame.

ATTACHING THE PLUMBING

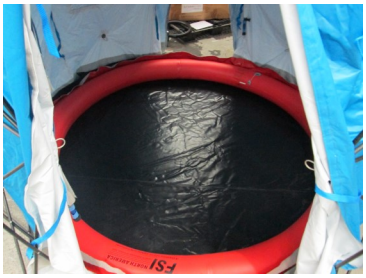




Attach the plumbing by first connecting it to the quick disconnect that is hanging from the ceiling of the shower.

Secure plumbing to the ceiling and walls using the Velcro straps attached to the inner canopy.

Place the pool inside the unit. Open the valve and inflate the pool. Attach the pool to the same Velcro that the floor is attached to.



TEAR DOWN AND STORAGE OF UNIT

Step 1: Loosen all Velcro/ other closure doors completely so frame can be collapsed for storage

Step 2: Deflate and remove the decon pool.

Step 3: Remove the floor.

Step 4: Carefully bring the framed unit down to the ground.

Step 5: Use the supplied belt tie (s) to tighten the frame to it's smallest size.

Step 6: Place the frame unit, repair kit, floor, and pool into supplied carry bag/sleeve.

Step 7: Use the other supplied belt tie (s) to tighten the carry bag further—again with a goal of attaining a smaller 'footprint' for storage.

Step 8: Store the unit in as close to room temperature as is possible and feasible.

FSI Products

LIMITED 3 -YEAR WARRANTY

FSI North America®, a Division of Fire Safety International, Inc.®(FSI), ("Warrantor") warrants to the original purchaser of all new FSI DAT series inflatable decon showers and shelters - equipment supplied by Warrantor and to any person to whom such equipment is transferred, that such equipment shall be free from defects in materials and workmanship during the three (3) year period commencing upon the receipt of such equipment.*

FSI will repair or replace a product that fails to satisfy this warranty. Repair/replacement shall be at the discretion of FSI.

FSI will not be responsible for wear and tear; any improper installation; improper use or maintenance; negligence of the owner or user; damage; or anything else beyond our control such as damage caused by environmental factors such as sun/heat/cold/wind. Further, we will not be responsible for any consequential, incidental or indirect damages including any damages and loss of profits from any cause whatsoever. No person has authority to change this warranty.

Products must be given an FSI issued RGA Number and be returned promptly to FSI for warranty service AT CLIENT'S COST IN PACKAGING SUITABLE AND CORRECT TO PROPERLY PROTECT THE PRODUCTS DURING THE RETURN SHIPMENT. DAMAGE CAUSED DURING THE RETURN PROCESS, IF ANY, WILL BE AT CLIENT'S EXPENSE AND RESPONSIBILITY. IF THE CLAIM IS INDEED A VALID WARRANTY CLAIM AS DEFINED SOLELY BY FSI - ALL FREIGHT COSTS WILL BE CREDITED BACK TO CLIENT.

In any case costs for freight charges outside the United States are not covered under this warranty and remain the sole responsibility of the purchaser. We will not be responsible for: wear and tear, improper installation, use, maintenance or storage, negligence of the owner/user, repair or modifications after delivery, failure to follow instructions or recommendations, or other misuse or activity beyond our control. FSI reserves the right to change the design or parts of/in its' products from time to time without notice and with no obligation to maintain a spare parts inventory or to make matching changes in products previously manufactured.

FSI DAT® series showers and shelters are offered with carry bags/SHELTER SLEEVES designed to offer a basic method to move and transport the product from point A to B. The bags/SLEEVES may also provide basic product protection. In such a capacity FSI carry bags/SLEEVES are subject to scuffs, rips, tears, stitch pulls, et al. These are not considered warranty items. Further FSI carry bags/SHELTER SLEEVES are not considered a product in and of themselves and so no limited 3-year warranty is offered on carry bags/ SHELTER SLEEVES.

NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OTHER THAT THOSE INCLUDED IN THE AFOREMENTIONED STATEMENT ARE OFFERED. FURTHER, WE DISCLAIM ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

* Accessories not offered as manufactured by FSI such as Air Heaters, Water Heaters, Lighting, Generators, Detergent Injectors, Toilets, Sinks, Water Purification, and misc. equipment as defined by FSI will be subject to the actual manufacturer's warranty of such product. All other products offered as manufactured by FSI are offered with a 1 – year warranty.