

## FSI® DAT®2575S

## Single Line Mass Casualty Decon Shower System

Meets all known WHO/FEMA/DHS/US Mil/Other guidelines for mass casualty decontamination (chemical/biological/radiological)



The FSI DAT®2575S is a one - line wide 7' W X 21' L X 8' H (2.13 X 6.4 X 2.43 M), 3 station - 6'L undress, 9'L shower, 6'L redress (1.82 M, 2.73 M, 1.82 M) Mass Casualty Decon Shower System which handles a single line of ambulatory casualties in three sequential stations --- (1) undress, (2) shower 3) redress. 9 ft L integrated pool can also handle a non-ambulatory victim on a conveyor as desired. This unit deploys in under two minutes, and processes three ambulatory personnel or 1 non-ambulatory victim at a time decon pool capacity approx. 210 gallons. ANSI # 113 compliant.

Undress and redress stations are dry (plumbing is possible and optional); the middle shower station includes 7 shower heads (2 sections of 3 shower heads and one overhead shower head) and 2 hanging coiled ½"/13 mm hose lines with attached multiple function trigger guns which thoroughly drench and decontaminate via a fine water mist for a total of 9 shower heads as standard. Shutoffs and quick disconnects, supplied with every group of shower heads and trigger gun. Flows per shower head and per spray gun = approx. 1 gpm/4 lpm optimum and dependent on water volumes available. As an option -- by configuring the changing areas on both ends as Decon showers one can double the capacity as detailed above.

Wastewater is contained within integral ground floor and 6"/15 cm berm erected when system is initially inflated (holds approx. 210 gallons – 798 liters - of wastewater before pump-out is required).

Includes full closure slip in and out dirty entry/clean exit doors on each end, 2 - ½ cross divider curtains, two roll up windows (one on each side), 2 skylights, 1 air inflation/deflation valve, one air inflation hose w. safety cord, 1 high pressure valve and on high pressure relief valve, 6 metal stakes and ground anchor points, tie down ropes and 4 D-rings to tie off to, repair kit, manual, shelter sleeve, 2 upper air vents, eight 19"/48 cm dia. HVAC/dirty clothes ducts with ties closures – 2 each on each end/side, 1 small electrical duct, and 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 doors and on entry and exit integral shower stall air berms. Units can attach to a second shower or FSI Shelter.

Simply inflate the unit and plug into a water supply. DAT®2575S offered with integral ground floor, 1 – ¾" (19mm) high pressure 300 psi (20 bar) GHT threaded inlet hose – other fittings available as specified. Decontamination can commence in 1 - 2 minutes. Comes complete with all valving and an electric 110V 60 Hz (220V/50Hz on request) HD inflator deflator with locking hands-free inflation device, high pressure compressed air fill hose and universal scba adapter; repair kit; manual; Unit supplied w. no charge redundant features allowing for - hanging undress/redress kits etc. on the inlet and outlet side and - doubling of showering capability in the future. DAT®2525S Approx. 147 sq. Ft. (13.65M<sup>2</sup>), 235 lbs. (106.8 Kg) Carton size approx. = 121 X 108 X 75 cm (48" L X 48" W X 35" H)

FSI decon shower systems are meant to protect end users/employees in accordance with OSHA 1910.120  
<https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.120>

## FSI® DAT® SERIES PNEUMATIC SHELTER SYSTEMS GENERAL SPECIFICATIONS 02/25

**Frame / All Shower Pools:** Heavy Duty 1100 Dtex\* polyester coated w. plastomer on both sides, UV/Chemical resistant, quadruple overlapped and glued.

**Technical Data:** 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/m<sup>2</sup>) – 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) of approx. 145 gr/M<sup>2</sup> (155 gr/sq. yd) with a PU white pigment inner coating of approx. 100 gr/M<sup>2</sup> (106 gr/sq. yd). Approx. 0.23mm X 57/58. Total wt. approx. 245 gr/M<sup>2</sup> + or - 5 % (approx. 205 gr/sq. yd) - 7.23 ounces) - 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 Microbial and Anti-Fungal/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), CA State Fire Marshal Section 13115 Flame Retardant Fabric Registration LICENSE NUMBER: F-100608, NFPA 702 w. 'A' burn scale rating, Japan JIS A 1322: 1966, Method A. All seams double stitched and coated both sides. FSI passes ISO 14362-1:2017 Determination of Certain Aromatic Amines Derived from Azo Colorants - ISO 14362/ ISO 17234 Per REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning REACH: Azo colorants may not release one or more of the listed aromatic amines in concentrations above 30 ppm each.

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

**Floor:** 1,000 dtex 0.70mm Nylon coated w. PU, tensile strength: 2545N/2360†, Tear Strength: 106/102N†, weight: 660 grams per sq. mm†, 60" W. Meets NFPA 701 and Din 4102 – B 1, M 2

All FSI® decon showers are ANSI # 113 compliant



Standard color is 'FSI Blue® Green, White, Red and Tan/Sand also available as standard. Other colors offered P.O.A.

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 Showers utilize Potable Water approved Hose systems. These hoses are manufactured with Texin 985U (formerly DP7-1077) or Texin 1209 which are approved by NSF. This polyurethane is approved for "Potable Water" use by NSF International (NSF Standard 61 – Drinking Water System Components – Health Effects).

FSI shelters help ensure compliance with the OSHA Heat illness requirement as described at:

<https://www.osha.gov/heat-exposure/water-rest-shade>

**FSI** NORTH AMERICA®  
SAFETY THROUGH TECHNOLOGY  
A Division of Fire Safety International

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**ELEVATION GRID  
F-TDMSPC**

**DETERGENT INJECTOR  
FSI HEAT 201**



**FSI LAY FLAT HOSE  
F-GH**



**PROPANE WATER  
HEATER F-ECC150WH  
(Propane tank not included)**



**HAND SPRAYER TANK  
F-HSP**

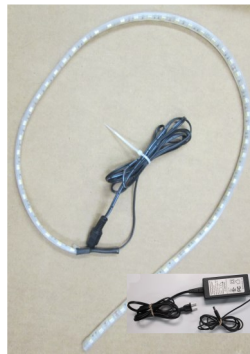


**FSI LAY FLAT HOSE  
F-GH503510**



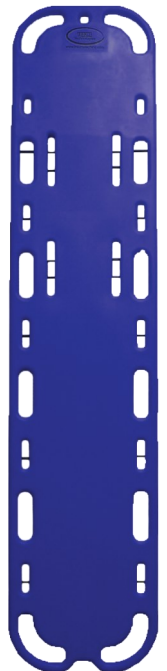
**BLADDER TANK 300GAL  
F-HD300BT**

**GROUND TARP 12'X20'  
F-GS3**



**LED LIGHTING  
F-SFLL-1M &  
F-SFLLPS-12V**

**SPINE BOARD  
F-MX1**



**WASTE PUMP  
F-WSP33AA**

**CONVEYOR  
F-RS**



**TUBE LIGHTING  
F-1225-0500-STL**



**HD EXTENSION CORD  
F-EM-259A**



**DAT2575S-SYS**