

CONFORM TO THE QUALITY SYSTEM STANDARD AQAP 2110 and ISO 9001:2008



(FD 311)



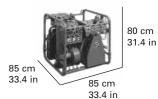


ONLY ONE PERSON ONLY ONE MACHINE ONLY ONE PRODUCT









SANIJET C. 921

Code 800020030 NATO Standard Number 4230-15-157-5553

With standard accessories that can be custom made.

CBRN decontamination/detoxification system.

The heart of Cristanini's decontamination system the Sanijet C. 921 with its frame made of stainless steel, can be heli-borne, carried on trucks or light vehicles or smoothly handled on the ground when equipped with tires.

Can be used Decon/Detox operations powder, liquid and two liquids simultaneously in different %. It is also a generator and work in altitude environment

Diesel engine: 10 hp air-cooled Water suction pump: from 5 m of altitude Thermal group: Kcal/h 78.000 (309.500 Btu) Fuel: diesel or kerosene or JP8 Alternator: (integrated) 2000 W, 230 V AC Ignition battery: 12 V charged by the diesel motor

4

Technical characteristics

- Cold water at 3 bar (45 psi) 3000 l/h (793 gph)
- Hot water at 3 bar (45 psi) 3000 l/h (793 gph) 34°C (93,2°F)
- Hot water at 90 bar (1300 psi) 1020 l/h (270 gph) 80÷90°C (175÷194°F)
- Steam at 20 bar (290 psi) 368 l/h (97 gph) 180÷210°C (356÷392°F)
- Weight: 180-230 kg (396-507 lb)

THE SYSTEM, EQUIPPED WITH DEDICATED ACCESSORIES PERFORMS THE DECONTAMINATION/DETOXIFICATION OF VEHICLES, PERSONNEL AND MATERIALS, ETC.





80 cm 31.4 in 33.4 in 33.4 in

Technical characteristics

- Cold water at 3 bar (45 psi) 3000 l/h (793 gph)
- Hot water at 3 bar (45 psi) 3000 l/h (793 gph) 34°C (93,2°F)
- Hot water at 90 bar (1300 psi) 1020 l/h (270 gph) 80÷90°C (175÷194°F)
- Steam at 20 bar (290 psi) 368 l/h (97 gph) 180÷210°C (356÷392°F)
- Weight: 180-230 kg (396-507 lb)

THE SYSTEM, EQUIPPED WITH DEDICATED ACCESSORIES PERFORMS THE DECONTAMINATION/DETOXIFICATION OF VEHICLES, PERSONNEL AND MATERIALS, ETC.



SANIJET C. 921 EL

Code 800020200 NATO Standard Number 4230-15-157-5553

With standard accessories that can be custom made.

CBRN decontamination/detoxification system, low noise.

The heart of Cristanini's decontamination system the Sanijet C. 921 with its frame made of stainless steel, can be heli-borne, carried on trucks or light vehicles or smoothly handled on the ground when equipped with tires.

Can be used Decon/Detox operations powder, liquid and two liquids simultaneously in different %. It is also a generator and work in altitude environment

Electric motor: 3 kW 3~400V 50÷60Hz **Water suction pump:** from 5 m of altitude **Thermal group:** Kcal/h 78.000 (309.500 Btu) **Burner:** diesel or kerosene or JP8



SANIJET C. 1126 HR

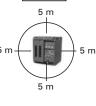
(SANIJETONE)

Code 800020120 NATO Standard Number 4230-15-147-7440

CBRN high power low-noise decontamination system for 2 operators.

Diesel engine: 16 hp water-cooled Water suction pump: from 5 m of altitude Thermal group: Kcal/h 100.000 (396.800 Btu) Fuel: diesel or kerosene or JP8 Alternator: (integrated) 2200 W, 230 V AC **Ignition battery:** 12 V charged by the diesel motor

dB(A) 75





93.5 cm 36.8 in

86 cm 33.8 in

Technical characteristics

- Cold water at 3 bar (45 psi) 5000 l/h (1321 gph)
- Hot water at 3 bar (45 psi) 5000 l/h (1321 gph) 30÷34°C (86÷93.2°F)
- Hot water at 110 bar (1595 psi)1560 l/h (412 gph) 80÷90°C (175÷194°F)
- Steam at 20 bar (290 psi) 510 l/h (135 gph) 180÷200°C (356÷392°F)
- Weight: 420 kg (925 lb)

THE SYSTEM, EQUIPPED WITH DEDICATED ACCESSORIES PERFORMS THE **DECONTAMINATION/DETOXIFICATION OF VEHICLES, PERSONNEL AND MATERIALS, ETC.**



SANIJET C. 1526

Code 800020040

CBRN decontamination unit

Diesel engine: 16 hp air-cooled Water suction pump: from 5 m of altitude Thermal group: Kcal/h 100.000 (396.800 Btu) Fuel: diesel or kerosene or JP8 Alternator: (integrated) 2000 W, 230 V AC **Ignition battery:** 12 V charged by the diesel motor



35.2 in

116 cm 45.6 in

> 110 cm 43.3 in

Technical characteristics

- Cold water at 3 bar (45 psi) 5000 l/h (1321 gph)
- Hot water at 3 bar (45 psi) 3600 l/h (951 gph) 30÷34°C (86÷93.2°F)
- Hot water at 150 bar (2175 psi)1560 l/h (412 gph) 80÷90°C (175÷194°F)
- Steam at 20 bar (290 psi) 526 l/h (138 gph) 180÷200°C (356÷392°F)
- Weight: 320 kg (617 lb)

THE SYSTEM, EQUIPPED WITH DEDICATED ACCESSORIES PERFORMS THE DECONTAMINATION/DETOXIFICATION OF VEHICLES, PERSONNEL AND MATERIALS, ETC.

SANIJET C. 921 ASP/3 MIL

Code 800020250 NATO Standard Number 4230-15-157-5553

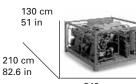


The large capacity field station for continuous and simultaneous decontamination/detoxification of vehicles, personnel, equipment and for fire fighting and ground decontamination.

Diesel engine: 10 hp air-cooled **Water suction pump:** from 5 m of altitude **Thermal group:** Kcal/h 234000 (928.512 Btu) **Fuel:** diesel or kerosene or JP8 **Alternator:** (integrated) 2000 W, x 3 - 230 V AC **Ignition battery:** 12 V charged by the diesel motor

Technical characteristics

- Cold water at 3 bar (45 psi) 9000 l/h (2380 gph)
- Hot water at 3 bar (45 psi) 9000 l/h (2380 gph) 30÷34°C (86÷93.2°F)
- Hot water at 90 bar (1305 psi) 3060 l/h (810 gph) 80÷90°C (175÷194°F)
- Steam at 20 bar (290 psi) 1104 l/h (291 gph) 180÷200°C (356÷392°F)
- Weight: 1100 kg (2425 lb) without battery and diesel tank.











SANIJETGUN

Code 240289 NATO Standard Number 4230-15-116-6386

Special lance that contains the decontaminating/detoxificating product (BX 24 powder) inside the lance and with only one operator, one machine with high pressure hot or cold water, carrying out all three operations: a) pre-washing;

b) decontamination/detoxification;

c) rinse

at the same time and is commanded directly from the lance.

Could be used with powder and liquid decon/detox products.







34 cm 13.3 in

12 cm 4.7 in

ONE PERSONCOMPLETEONE MACHINE=DECON/DETOXONE PRODUCTMISSION

37.7 in





RI/NBCR TRAILER

Code 11200885 NATO Standard Number 4230-15-157-8915

Rapid deployment unit for decontamination and detoxification.



SKID/NBCR

Code 11200872 NATO Standard Number 4230-15-157-8916

CAPABILITIES WITH INCLUDED STANDARD ACCESSORIES: CAPABILITY A: Decontamination of persons: 60 persons/h

CAPABILITY B: Decontamination/detoxification of vehicles: 15 vehicles/h

CAPABILITY C: Decontamination/detoxification of equipment and materials: max 368 l/h (97,22 gph) of steam at 180-200°C (356-392°F)

CAPABILITY D: Decontamination/detoxification of terrain: 10-20.000 m²/h (210.000 sq.ft/h)



CAPABILITY E: Fire-fighting: water jet length 20 m. (65 ft).





SHELTER CBRN/2

THROUGHT DECON STATION Code 800010040

Self contained large capacity mobile field station for continuous and simultaneous decontamination/ detoxification of persons, materials and vehicles, for ground decontamination and fire-fighting.

CAPABILITIES WITH STANDARD ACCESSORIES: CAPABILITY A: Continuous and simultaneous

decontamination/detoxification of persons, materials and vehicles: 180 persons/h -15 vehicles/h - materials with 380 l/h (100,39 gph) of steam at 180-200°C (352-396°F)

Operating not in simultaneous

CAPABILITY B: Personnel decontamination: 360 persons/h

CAPABILITY C: Decontamination/detoxificaiton of materials: max 760 l/h (200,79gph) of steam at 180-200°C (352-396°F)

CAPABILITY D: Decontamination/detoxification of vehicles: 30 vehicles/h

CAPABILITY E: Decontamination/detoxification of terrain: 20.000 m²/h (215,200 sq.ft/h)

CAPABILITY F: Fire-fighting: water jet length 20 m. (65 ft)

CAPABILITY G: Decontamination of sensitive material and equipment: 100 m²/h (1,76 sq.ft/h).









SHELTER B-LAB/1104

DEPLOYABLE BIO LABORATORY

Code 800010070

Independent Biological Sheltered Field Laboratory PCL3 (ex BL3) (STANAG 4632).

Realization based on class 1C ISO 668 - 20".

To be used in contaminated area in extreme climatic conditions (A1 and C1 STANAG 4370)



Frontal view with samples entrance



View of "technical room" zone



Partial view of internal part



SX34 system for sensitive equipment Decon





View of manipulation chamber (glove box)





View of autoclave, combined refrigerator and freezer

11 View of laboratory



TRANSPORTABLE WITH HERCULES CI 30J using dual rail and innovative key loader system (5G)



CAPABILITIES WITH STANDARD ACCESSORIES: CAPABILITY A: Personnel decontamination: 80 persons/h

CAPABILITY B: Decontamination/detoxificaiton of vehicles: 10-12 vehicles/h

CAPABILITY C: Decontamination/detoxification of webbing, masks and other combat equipment for 80-100 men/h

CAPABILITY D: Decontamination of sensitive equipment: 100 m²/h (1,76 sq.ft/h).

CAPABILITY E: Decontamination/detoxification of terrain: 10-20.000 m²/h (107,600 - 215,200 sq.ft/h)

CAPABILITY F: Fire-fightint: water jet length 20-25 m. (65,6-82 ft)

CAPABILITY G: Degassing/sterilization of tanks: for tanks containing explosive gases or B contamination.

CAPABILITY H: Drinkable water production/Desalinization: max 480 l/h (126 gph)





LARGE SCALE Code 240450

Mobile Autonomous Station thorough CBRNE decontamination/detoxification of personnel, vehicles, materials, sensitive equipment, terrain and with potable water plant. Transported by the customer's truck.

(JOINT SERVICE TRANSPORTABLE DECONTAMINATION SYSTEM LARGE SCALE - JSTDS-LS)



Special Key loader system for C.130 Tactical Flight







VIRE CBRN/PR-ID

Code 240480

Emergency Rapid Identification Vehicle for the detection and the identification of CBRN aggressive agents and TICs.

Provisional Identification Level Capability.



The VIRE CBRN/PR-ID carries out the initial detection and identification, rapidly supplying sufficiently precise information allowing immediate reaction from other Units capable of mitigating results of a CBRN event.

Today, there is a steady increase in the Nations to be equipped with these vehicles, due to this type of employment considering the type of threats to be counteracted.

The VIRE CBRN/PR-ID has the main characteristics as follows:

- Highly manoeuvrable, self contained and flexible when employed.

- Visibly "low-key". The vehicle is not conspicuous unlike other vehicles of the Law Enforcement.

- It is supplied with portable instruments that can immediately detect and identify CBRN threats deriving from toxic substances resulting from natural disasters, industrial disasters, road accidents or terrorist attacks.

- The VIRE CBRN/PR-ID gives a precious first response for successive phases of emergency management. However the primary mission of the VIRE CBRN/PR-ID, is not focused on operating in contaminated zones, in case of danger, it can avert with safety (for the operators) from a contaminated zone, thanks for the COLPRO system installed in the driver's cabin.







Portable biological handheld test



PSDS/10 MIL -Portable small Decon/Detox system



Metereological station





identifier

HAZMAT ID portable chemical identifier



13 SX 34 - System for decontamination of Sensitive materials

PSDS/1,5 MIL - Portable small decon/detox system





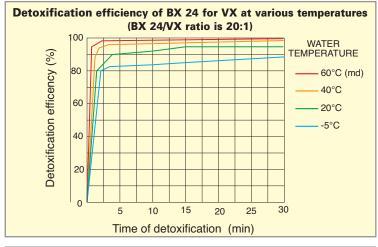
Code 240243 NATO Standard Number 6810-15-149-4789

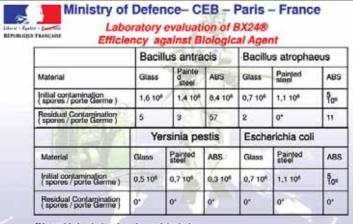
- High capacity of decontamination/detoxification
- Low environmental impact
- Non-aggressive and easy to store
- One powder product only, ready for instant emulsion
- No additives or solvents required
- To be used with all Cristanini decon/detox systems.
- -Storing temperature range: -32°C +49°C
- (climatic zone A1-C1 STANAG 4370)

BX 24 has been designed and engineered to chemically decompose the aggressive agents with its oxides with two principles: oxidation and hidrolization. It is a solution for the sanification operation in the redeployment phase.

BX 24 has been also successfully tested by OIE/FAO (World Organization For Animal Health/Food and Agriculture Organization) against H5N1 avian influence virus, zooiatric desease and viruses.

VX detoxification on metal surfaces coated with Alkydic and Polyurethane paint with BX 24 and comparison with calcium hypochlorite (C8) **BX 24** 102 g/m² water 0.8 l/m² C8 (Ge 250 g/m² water 2.5 l/m² SAMPLE DETOXIFICATION EFFICIENCY BX24 **C8** Alkydic paint > 99% 43% (± 6%) > 99% Polyurethane paint > 99% VX contamination: 0.2 g/m² Contact time surface - VX: 90 min Contact time contaminated surface - BX24: 20 min Contact time contaminated surface - C8: 20 min





"No arable bacterium has been detected







ALL OUR EQUIPMENT AND PRODUCTS HAVE BEEN TESTED BY INDIPENDENT LABORATORIES AND THEY ARE IN USE IN MANY COUNTRIES (REFERENCES ON REQUEST)

SENSITIVE EQUIPMENT SYSTEM SX34

Code 958090183

NATO Standard Number 6850-15-203-0545

CBRN DECONTAMINATION SYSTEM FOR SENSITIVE EQUIPMENT SUCH AS AIRCRAFT INSTRUMENTS AND PORTABLE DETECTION DEVICE AND ALL OTHERS ELECTRONIC DEVICES.





SX34 Provide thorough and clearance **decontamination of sensitive equipment** and or interiors of platforms:

- Small individual equipment such as masks, guns, aiming systems, helmets or others;
- Sensitive equipment such as electronics, optics, optronics, computers or others;
- The interior of equipment and inside platforms (cokpit)

SX34 is non-corrosive, non-toxic and environmentally safe decontaminant; suitable for a timely clean-up of CBRN agents on all materials and sensitive surfaces.

SX34 acts by removing substances with a wide range of polarity from sensitive surfaces **without** damaging them.

SX34 acts without spreading contamination or carry agents in to gaps.

SX34 is **environmentally friendly** (no components banded or next to be banded, no stratospheric ozone depletion substances). It action is successfully with all CBRN threats.

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PSDS 1,5 MIL

PORTABLE SMALL DECON/DETOX SET

Code 240440 NATO Standard Number 4230-15-203-0549

Portable small decontamination/detoxification system for manual use. Capacity 1,5 litres. (0,40 US gal) Capability: 8÷10 m² (0,086÷0,10 sq/ft)



PSDS/10 MIL

PORTABLE DECON/DETOX SET Code 240407 NATO Standard Number 4230-15-170-4160

Portable small decontamination/ detoxification system for manual use. Capacity 10 I. (2,64 US gal.) Capability: 90 m² (0,96 sq/ft)





PSDS/10 MIL with accessory

Code 950090189 NATO Standard Number 4230-15-157-5549

Portable small decontamination/ detoxification system for manual use. Capacity 10 I. (2,64 US gal.) Capability: 120 m² (1,29 sq/ft)





Code 950090195 NATO Standard Number 4230-15-199-5663

Portable small decontamination/ detoxification system for manual use with BX 40 foam. Capacity 12 litres. (3,17 US gal) Capability: 400 m^2 (4,30 sq/ft)







SAM 125M

Code 240276 NATO Standard Number 4230-15-170-6525

Individual field shower, in stainless steel, with 3 outlets. Automatic adjustable product mixing (decontaminant, shampoo, soapy, liquids, etc.)



SAM 135M

Code 240335

Portable field shower with 8 outlets for simultaneous use. Automatic adjustable product mixing (decontaminant, shampoo, soapy, liquids, etc.) for each outlet.



TUNNEL SHOWER

TACTICAL STEAM DECON MODULE

1200x1200 mm. (47,28 x 47,28 in.) Code 240266

Automatic adjustable product mixing (decontaminant, shampoo, soap, liquids, etc.), complete with contaminated water collection tray and evacuation pump with maximum protection factor (IP 68).



INFLATABLE SHOWER TENT

Code 800805113

Complete with contaminated water collection tray and evacuation pump with maximum protection factor (IP68).



TUNNEL SHOWER

Code 240262

Automatic adjustable product mixing system (decontaminant, shampoo, soap, liquids, etc.) for each outlet, complete with contaminated water collection tray and evacuation pump with maximum protection factor (IP68).

INFLATABLE TENT

Code 958090152

Complete with 6 shower installation, full illumination 24V, contaminated water collection tray and evacuation pump with maximum protection factor (IP68).

External dimensions: 8400x5700x3000 mm. (330,7x224,4x118,1 in.)



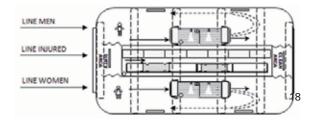
MULTIPURPOSE INFLATABLE

DECONTAMINATION/DETOXIFICATION STATION Code 958090175 NATO Standard Number 4230-15-189-2026

Complete with 3 different separate pathways for decontamination of MEN, WOMEN AND INJURED PERSONS. Each pathway is separated from each other. Complete with showers for each single pathway, n. 2 stretchers for injured, n. 3 evacuation pump with maximum protection factor (IP68), illumination 24 V.

External dimensions: 8400x5700x3000 mm. (330,7x224,4x118,1 in.)





INFLATABLE TENT

Code 800805069 NATO Standard Number 8340-15-189-1984

For decontaminating/detoxificating of materials and suits with introduction of steam at 180-200°C (356-392°F) Complete with water collection tray and evacuation pump with maximum protection factor (IP68). External dimensions: L 3000xW 5000xH 2850 mm. (118,1x196,8x112,2 in.)



TSDM - TACTICAL STEAM DECON MODULE

Code 958090351

For the decontamination/detoxification of masks, lightweight weapons, webbing, personnel individual equipment, etc., complete with water collection tray and evacuation pump with maximum protection factor (IP68). External dimensions: L I200xW 200xH 2420 mm. (47,28x47,28x95,28 in.)









FAMILY OF DECONTAMINANTS



Contaminating agent on surface

CBRN





Particles decomposed and neutralized by detoxificant BX 24



BX 24 (powder) Code 240243 - **NATO Standard Number 6810-15-149-4789 Decontamination/detoxification** product for vehicles and different types of materials from CBRN agents.

BX 24 is absolutely the most efficient and the most interesting non-aggressive detoxifying agent available today. It is also tested for preventive Decon/Detox (Sanification) of materials and vehicles in redeployment from mil operations.





BX 29 (liquid)

Code 240240 - **NATO Standard Number 6850-15-157-8945** Decontaminant product for persons.

PERSONNEL DECONTAMINATION





Training version of BX 24

BX 30 (powder)

Code 240256





BX 40 (liquid)

Code 240257 - **NATO Standard Number 6850-15-157-8946** Decontaminant product for CBRN decontamination of aircraft, helicopters, etc.







SX 34 (aerosol) Code 240230 - NATO Standard Number 6850-15-203-0546 CBRN decontaminant product for sensitive equipment.

SENSITIVE EQUIPMENT



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BX 60 (liquid)

Code 240350 Biological decontamination product for apparatus:

1) CFH (electric applicator for chemical products - aerosol),

2) PRT (autonomous portable fogger system) and SANIJET.

ALL CRISTANINI PRODUCTS HAVE A LOW ENVIRONMENTAL IMPACT. THE COMPLETE TESTS BOOK IS AVAILABLE ON REQUEST TO CRISTANINI SPA



OUR SOLUTIONS ARE ENVIRONMENTALY FRIENDLY



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THE CRISTANINI COMPANY CAN PERSONALISE THE SYSTEM ACCORDING TO THE REQUIREMENTS OF THE COSTOMER/USER

IN THE CONTINUAL PURSUIT OF IMPROVING ITS PRODUCTS AND PROVIDE ALWAYS A BETTER SOLUTION FOR THE END USER, CRISTANINI COMPANY RESERVES THE RIGHT TO CHANGE TECHNICAL CHARACTERISTICS AND SPECIFICATIONS WITHOUT PRIOR NOTICE