



REF 74-0006

USER MANUAL

DeconStrike™
PORTABLE
DECONTAMINATION
SPRAYER



Manufactured by
NORTH AMERICAN RESCUE™
www.NARescue.com • 888.689.6277
35 Tedwall Ct. • Greer SC 29615 • USA

It is important that users read and understand all information contained in this manual concerning the intended use and proper operation of the DeconStrike Portable Decontamination Sprayer. This manual is not intended as a substitute for formal training in the use of decontamination mitigation systems, which may be required by local, regional, or state protocol. For questions concerning this manual or the device, contact North American Rescue, LLC.

Contact Us:

If you have questions regarding the use of the DeconStrike Sprayer System or any component, please contact North American Rescue® at 888-689-6277.

TABLE OF CONTENTS

DeconStrike System Components

..... 1-2

Technical Information

Indications for Use3

Warnings3

Precautions3

Intended Users & Environments

.....4

DeconStrike System Description

Device Description4

DeconStrike System Operation

Quick Start Guide4

Setting up5

Depressurization5

Removing/Attaching the Solution Tank6

Filling the Solution Tank6

Removing the High-Pressure

Air/Nitrogen Cylinder7

Filling the High-Pressure

Air/Nitrogen Cylinder7

Spraying8

Pulling the PRV to Release Pressure8

Cleaning Instructions

.....9

Spray Gun

Set up10

Operation & Cleanup11

Maintenance12

Technical Specifications

Performance Specifications13

Operation & Storage Conditions

Temperature Operation Conditions13

Storage Conditions13

Transportation13

Appendix

Replacing O-Rings14

Training14

Maintenance Recommendations

& Instructions14

Scheduled Maintenance15

Maintenance Log15

Troubleshooting Guide16

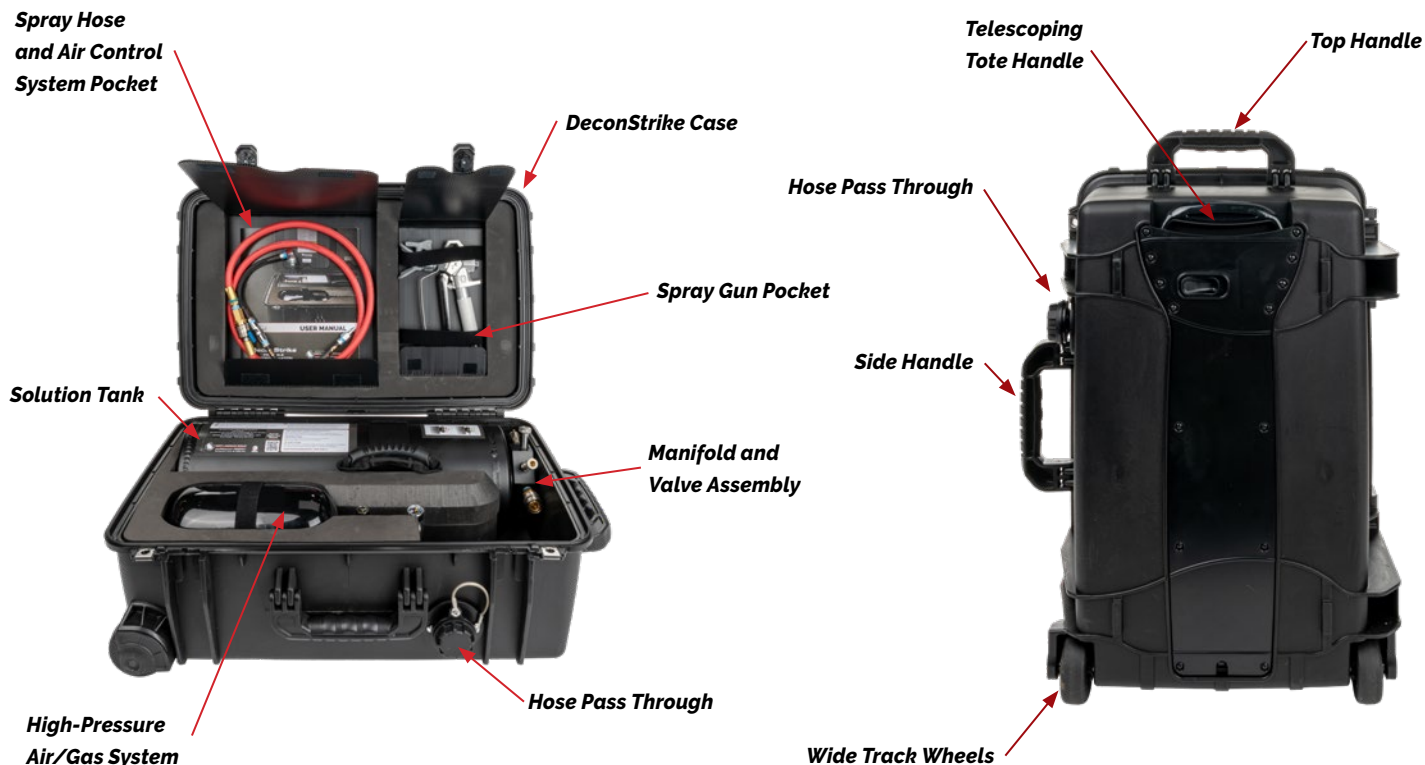
Components List16

Glossary of Terms and Symbols17

DECONSTRIKE SYSTEM COMPONENTS

DeconStrike™

Portable Decontamination System



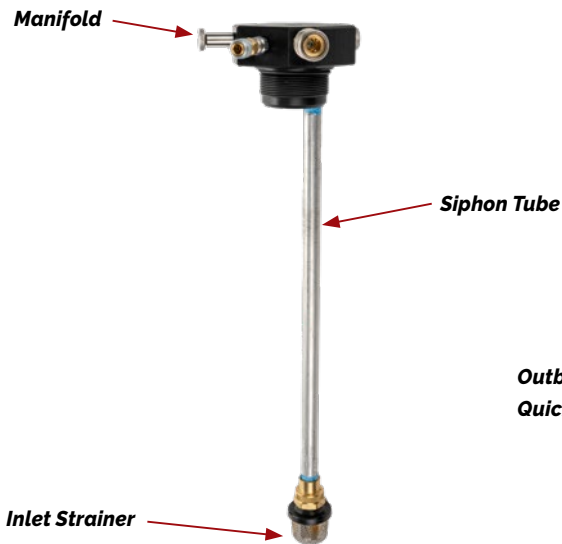
High-Pressure Air/Gas System



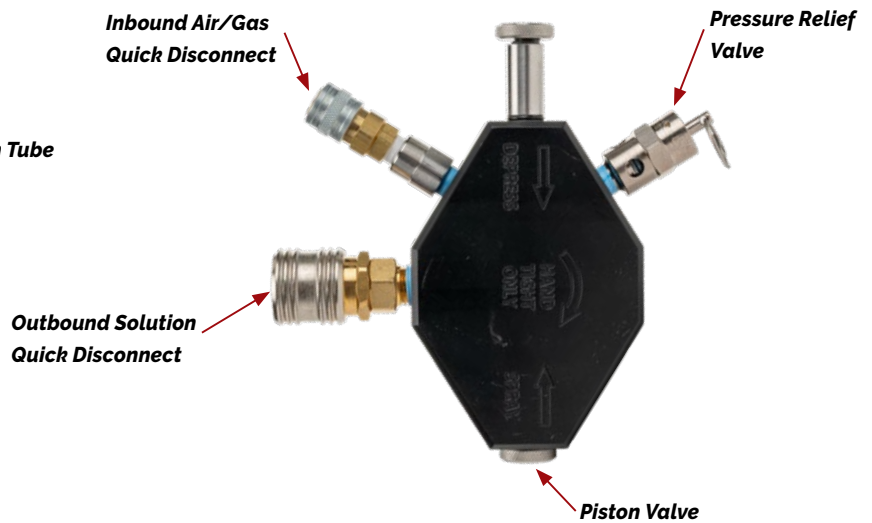
2.5 Gallon Solution Tank



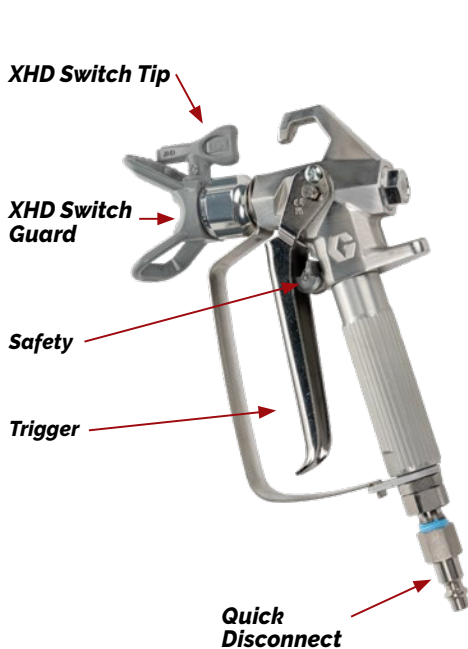
Solution Tank Manifold



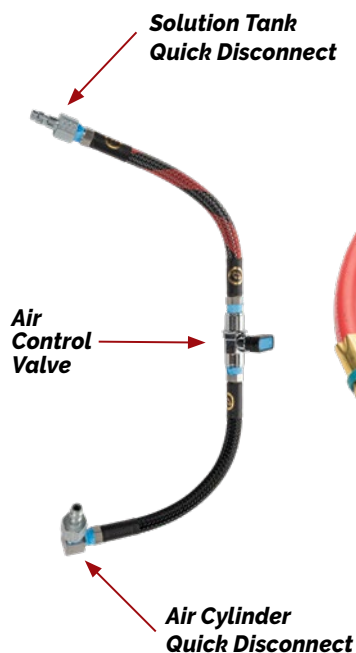
Solution Tank Manifold Control System



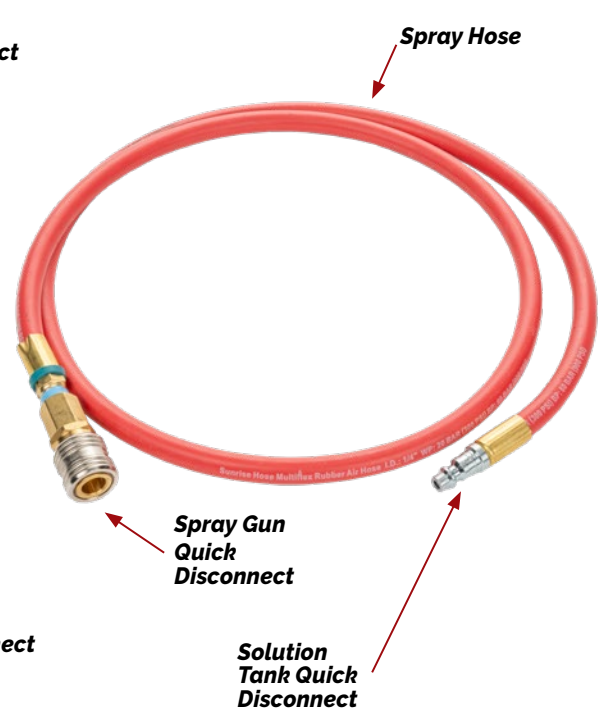
Spray Gun



Air Control System



Spray Hose Assembly



INDICATIONS FOR USE

The DeconStrike™ Portable Decontamination Sprayer uses compressed air or nitrogen to propel water-based decontamination solutions to decontaminate chemical warfare agents, biological warfare agents, & pharmaceutical agents.

WARNINGS

- If any parts are damaged or missing, do not operate this product until the parts are replaced. Use of this product with damaged or missing parts could result in serious personal injury.
- Do not attempt to modify this product or create accessories not recommended for use with this product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.
- Before each use, inspect the entire product for damaged, missing, or loose parts such as screws, nuts, bolts, caps, etc. Tighten securely all fasteners, caps, and fittings and do not operate this product until all missing or damaged parts are replaced. Please contact qualified technician for assistance.
- When servicing, use only recommended or equivalent replacement parts. Use of any other parts could create a hazard or cause product damage.
- High pressure systems can be dangerous.
- **NEVER** remove hoses or fittings without first depressurizing the sprayer system. **NEVER** point the nozzle at your face or at others. Failure to follow these instructions could result in an eye injury or other serious personal injury.
- **NEVER** direct a spray stream toward people or pets, or any electrical device. Failure to follow these instructions could result in serious injury, electrical shock, or death.
- **ALWAYS** wear eye protection **with side shields marked to comply with ANSI Z87.1**. Failure to do so could result in spray or other objects being thrown into your eyes resulting in possible serious injury.
- Do not allow familiarity with this product to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.

PRECAUTIONS

- **Never direct the spray at persons, animals, or the sprayer itself.**
- **Always use proper PPE when filling and cleaning the tanks.**
- **Before starting any decontamination operation**, use proper PPE. This includes but is not limited to gloves, safety glasses, face shields, chemical resistant aprons and clothing.
- **Do not use solvents, flammable material, bleach, or industrial grade cleaning solutions** in this product. These products can cause physical injuries to the operator and irreversible damage to the machine.
- **To reduce the risk of injury**, label the solution tank with appropriate GHS symbols based on decontamination materials being used.
- **Never attempt to make any adjustments while the unit is spraying.**
- **Never attempt to fill, clean, or perform maintenance before depressurizing the unit.**
- **Keep hose away from heat sources.** Failure to do so may cause hose degradation and/or failure resulting in possible injury.
- **Check hoses and joints for looseness and leakage before each use.**
- **Check manifold for looseness before each use.** A loose manifold may cause spray problems.
- **If the air system must be evacuated, do this outdoors away from all ignition sources.**
- **Add compressed air and solution before spraying the unit.** Never remove the plug, fittings, or hoses while spraying the unit.
- **Replace all fittings, hoses, and plugs securely.**
- **Wipe spilled solution from the unit.**
- **Before storing, follow depressurization steps.**
- **Restrain the unit before transporting on a vehicle.**
- **When servicing use only recommended or equivalent replacement parts.** Use of any other parts may create a hazard or cause product damage.
- **Never spray close to the surface to be cleaned as spray back may occur.** For maximum efficacy spray within 12 to 18 inches from target surface.
- **After executing decontamination, always depressurize the system.** Failure to do so could result in serious personal injury.
- **For outdoor use only.**
- **Ensure the high-pressure hose is properly connected before using the product.**
- **Use the right tools.** Do not force tool or attachment to do a job it was not designed for.
- **Save these instructions.** Refer to them frequently and use them to instruct other users. If you loan someone this tool, loan them these instructions also.

INTENDED USERS

Operators of the DeconStrike should be knowledgeable in the use of proper decontamination equipment and procedures. The DeconStrike Portable Decontamination Sprayer is designed for quick set up and deployment using minimal steps. Intended users include trained Military, Law Enforcement, Public Safety, and other personnel trained in decontamination mitigation processes.

INTENDED USE ENVIRONMENTS

The DeconStrike Portable Decontamination Sprayer is transportable. The intended use environments include any hazardous material situation requiring decontamination of suspected chemical, biological or pharmaceutical substances.

DECONSTRIKE SYSTEM DESCRIPTION

The DeconStrike Portable Decontamination Sprayer is a zero powered (compressed gas), transportable, tool-free, decontamination system designed to provide a reduction of adverse health-effects by removing contamination before surface permeation and decrease the risk of cross contamination from chemical, biological, and pharmaceutical contamination.

The DeconStrike Portable Decontamination Sprayer is comprised of an aluminum solution tank with a capacity of 2.5 gallons, an 88ci/4500 psi carbon fiber air system with regulator that operates at 150 psi, a 1/2" x 60" heavy duty rubber spray hose, a 175-psi pressure relief valve, an aluminum spray gun, and a rugged rolling case.

DECONSTRIKE OPERATION

QUICK START GUIDE

1. Ensure solution tank and air tank have been properly filled prior to use.
2. Connect spray gun to hose (Image 1.1), route end through pass-thru and connect to solution tank. (Image 1.2)
3. Verify air valve (Blue) is in off position (Image 1.3), connect straight quick disconnect end to solution tank and right angle quick disconnect end to high-pressure air tank. (Image 1.4)
4. Verify the control valve (Silver knob) is in spray position (up) (Image 1.5) and set air valve (Blue) to the on position (Image 1.3).
5. Close case and set upright. Point spray gun towards intended target and turn safety to off position. Hold trigger of spray gun to apply to contaminated surface. Spray within 12 to 18 inches from target surface. Continue to apply until entire surface is covered.
6. Decontamination happens on contact. See decontamination Formulation IFU for retention time.
7. See Deconstrike IFU for maintenance and clean up procedure.

Image 1.2



Image 1.1

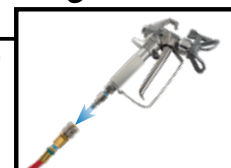


Image 1.3

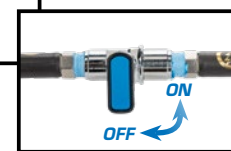


Image 1.4



Image 1.5



DECONSTRIKE OPERATION (CONTINUED)

SETTING UP THE DECONSTRIKE SPRAYER SYSTEM

The DeconStrike Portable Decontamination Sprayer comes fully assembled. The air/nitrogen cylinder requires an initial charge, and the solution tank will need to be filled prior to operation. Depending on user capabilities, the cylinder can be filled with either compressed air or nitrogen; this can be done using a high-pressure compressed air system, or by an authorized gas provider.

Once the air/nitrogen cylinder has been filled, it should be verified that the tank has been filled to no more than 4500 psi of pressure. (Image 2.1)

The 2.5-gallon solution tank must then be filled with a properly prepared decontamination solution. (Image 2.2)

After filling the tank, hand tighten the manifold (Image 2.3) back into the port. (Be careful not to damage the O-ring.)

DeconStrike™

Image 2.1



Image 2.2



Image 2.3



DEPRESSURIZATION

1. Turn air valve (Blue) to off position. (Image 3.1)
2. Push control valve (Silver knob) to Depressurize position (down). (Image 3.2)
3. Close case and set upright. Point spray gun away from self and turn safety to off position. Hold trigger of spray gun to evacuate gas. Continue to spray until gas stops coming out. (Image 3.3)

Image 3.1

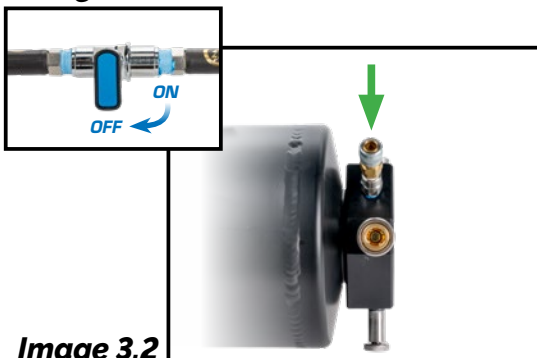


Image 3.2

Image 3.3



DECONSTRIKE OPERATION (CONTINUED)

DeconStrike™

REMOVING/ATTACHING THE SOLUTION TANK

⚠ Before removing the solution tank, follow the instructions for depressurizing the DeconStrike spray system (page 5).

Removing the solution tank

1. Verify air valve (Blue) is in off position. (Image 4.1)
2. Disconnect the straight quick disconnect end from the solution tank. (Image 4.2)
3. Lift the solution tank from the case using the carrying strap. (Image 4.3)
4. Gently set aside, standing up.

Replacing the solution tank

1. Gently lower the solution tank into the case with the quick disconnect facing towards the hose pass through. (Image 4.3)
2. Verify air valve (Blue) is in off position. (Image 4.1)
3. Connect the straight quick disconnect end to the solution tank. (Image 4.2)
4. Connect the right angle quick disconnect end to the high-pressure air tank. (Image 4.4)

Image 4.1

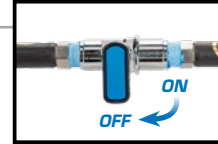


Image 4.2

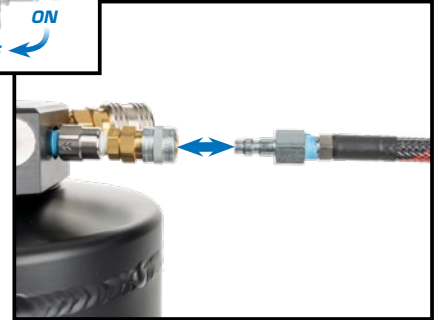


Image 4.3

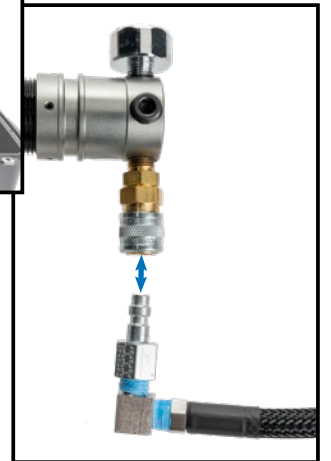


Image 4.4

FILLING THE SOLUTION TANK

⚠ Before filling the solution tank

- Follow the instructions for depressurizing the DeconStrike spray system (page 5).
- Prepare the decontamination solution according to the manufacturer's instructions.

To fill the solution tank

1. Verify air valve (Blue) is in off position. (Image 5.1)
2. If connected, disconnect the spray hose by pulling back the quick disconnect on the solution tank. (Image 5.2)
3. If connected, disconnect the straight quick disconnect end of the air control valve from the solution tank. (Image 5.2)
4. Gently lift the solution tank from the case by the carrying strap and set aside standing up.
5. Remove the Manifold from the tank by turning it counterclockwise (↺). (Image 5.3)
6. Using a filtered funnel (not included) pour the decontamination solution into the tank. (Image 5.4)
7. After filling the tank, hand tighten the manifold (Image 5.3) back into the port turning it clockwise (↻). Hand Tighten Only.

Image 5.1

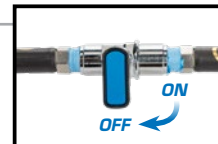


Image 5.2

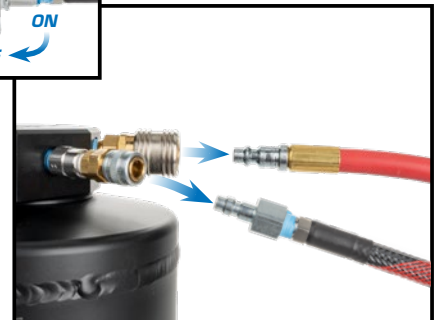


Image 5.3



Image 5.4



REMOVING/ATTACHING THE HIGH-PRESSURE AIR/NITROGEN CYLINDER

⚠ Before removing the gas cylinder, follow the instructions for depressurizing the DeconStrike spray system (page 5).

Removing the gas cylinder

1. Verify air valve (Blue) is in off position. (Image 6.1)
2. Disconnect the straight quick disconnect end from the solution tank. (Image 6.2)
3. Disconnect the right angle quick disconnect end from the high-pressure air cylinder. (Image 6.4)
4. Undo the cylinder hook pile tape securing strap. (Image 6.3)
5. Lift the cylinder from the case.

Replacing the gas cylinder

1. Gently lower the cylinder into the case with the gauges facing up.
2. Fasten the tank in place with the hook pile tape securing strap. (Image 6.3)
3. Verify air valve (Blue) is in off position. (Image 6.1)
4. Connect the straight quick disconnect end to the solution tank. (Image 6.2)
5. Connect the right angle quick disconnect end to the high-pressure air cylinder. (Image 6.4)

Image 6.1

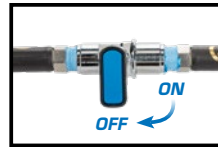


Image 6.2

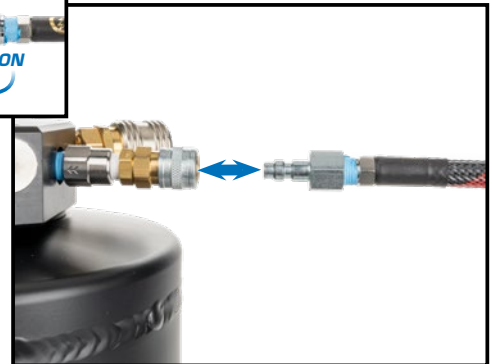


Image 6.3

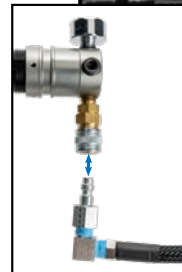


Image 6.4

FILLING THE DECONSTRIKE HIGH-PRESSURE AIR/NITROGEN CYLINDER

The DeconStrike Portable Decontamination Sprayer comes fully assembled. The air/nitrogen cylinder requires an initial charge, and the solution tank will need to be filled prior to operation. Depending on user capabilities, the cylinder can be filled with either compressed air or nitrogen; this can be done using a high-pressure compressed air system, or by an authorized gas provider. Once the air/nitrogen cylinder has been filled, it should be verified that the tank has been filled to no more than 4500 psi of pressure.

⚠ Before filling the gas cylinder

- Follow the instructions for depressurizing the DeconStrike spray system (page 5).
- Follow the instruction for removing the gas cylinder (above).

To fill the gas cylinder

- Have the air/nitrogen cylinder filled to 4500 psi by a certified technician.

After filling the gas cylinder

- Follow the instruction for Installing the gas cylinder (above).

DECONSTRIKE OPERATION (CONTINUED)

DeconStrike™

SPRAYING THE DECONSTRIKE

⚠ Before spraying the solution tank

- Follow the instructions for filling the gas cylinder (page 7).
- Follow the instructions for filling the decontamination solution tank (page 6).
- Follow the instruction provided by the manufacturer for adjusting the spray pattern if necessary (page 11).

Spraying

1. Connect spray gun to hose, route end through pass-thru and connect to solution tank. (Image 7.1)
2. Verify air valve (Blue) is in off position (Image 7.2), connect straight quick disconnect end to solution tank and right angle quick disconnect end to high-pressure air tank. (Image 7.3)
3. Verify control valve (Silver knob) is in spray position (up) (Image 7.4), and set air valve (Blue) to on position. (Image 7.2)
4. Close case and set upright. Point spray gun towards intended target and turn safety to off position. Spray within 12 to 18 inches from target surface. Hold trigger of spray gun to apply to contaminated surface. Continue to apply until entire surface is covered. (Image 7.5)

Note: Decontamination happens on contact. See decontamination Formulation IFU for retention time.

⚠ After spraying the DeconStrike System

- Follow the instructions for depressurizing the DeconStrike System (page 5).

PULLING THE PRESSURE RELIEF VALVE TO RELEASE PRESSURE DURING 7-DAY PERIOD

Before releasing the pressure

- Follow the instructions for depressurizing the DeconStrike spray system (page 5).
- Follow the instruction for removing the solution tank (page 6).

To release the pressure

- Pull the pull ring until the air has fully vented. The compression spring will automatically close the valve upon release.

After releasing the pressure

- Follow the instruction for Installing the solution tank (page 6).

Image 7.1

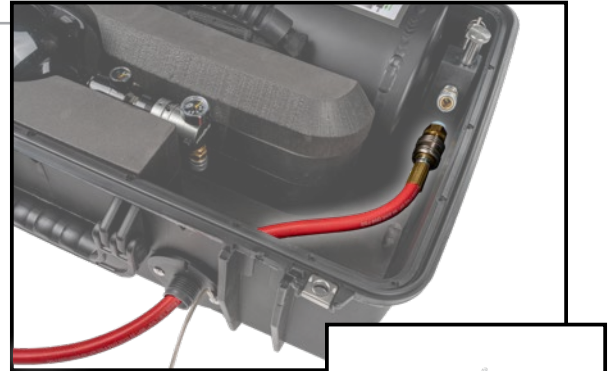


Image 7.2

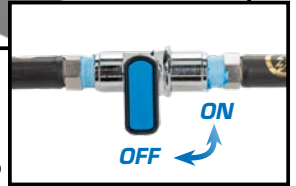


Image 7.3

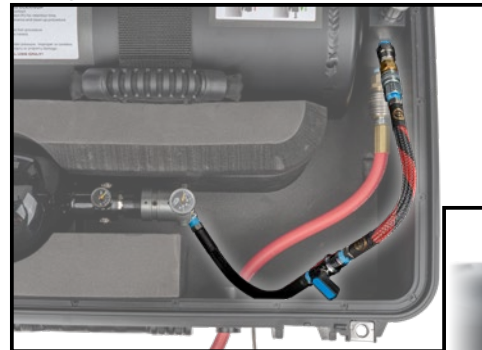


Image 7.4

Image 7.5



CLEANING AND DISINFECTING

DeconStrike™

CLEANING INSTRUCTIONS

The DeconStrike system should be cleaned and inspected after each use.

Before cleaning

- Follow the instructions for depressurizing the DeconStrike spray system (page 5).
- Follow the instructions for removing the solution tank (page 6).

To clean the case

- For the exterior, wipe the case with a rag soaked in water.
- For the interior, follow the instructions for removing the system components (page 6-7), once complete wipe out with a rag soaked in water.

To clean the siphon tube

- Remove the manifold from the solution tank by unscrewing the manifold turning it counterclockwise (↺). (Image 8.1)
- Clean the filter (Image 8.2) with flushing fluid and a soft bristle brush.
- Inspect the filter for any damage.

To clean the spray hose

- Wipe the spray hose with a rag soaked in water.

To clean the spray gun

- For the exterior, wipe the spray hose and gun with a rag soaked in water.
- For the interior, follow the manufacturer recommendations (page 11).

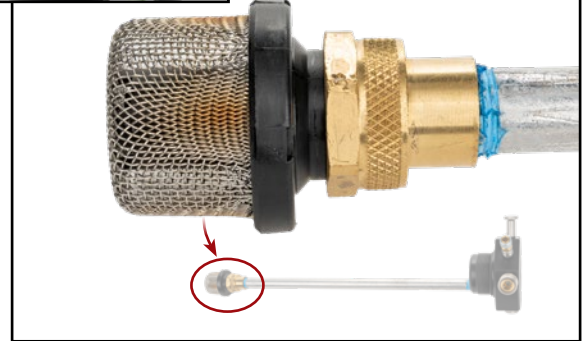
To clean the tips and guard

- For the exterior, wipe the spray hose and gun with a rag soaked in water.
- For the interior, follow the manufacturer recommendations (page 11).

Image 8.1



Image 8.2



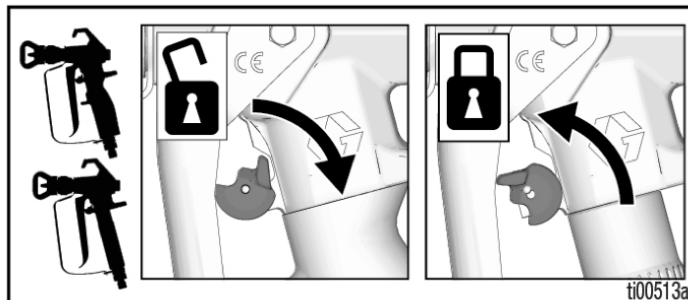
SPRAY GUN: SETUP

DeconStrike™

Gun Trigger Lock



To prevent injury when the gun is not in use, always engage the gun's trigger lock if unit is being shut down or left unattended.



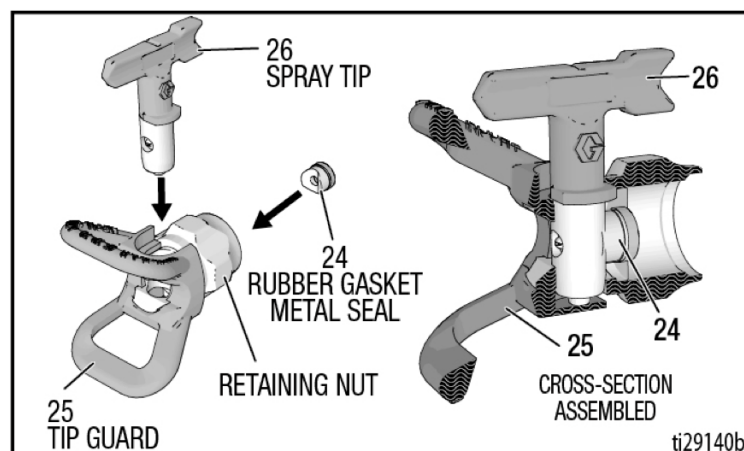
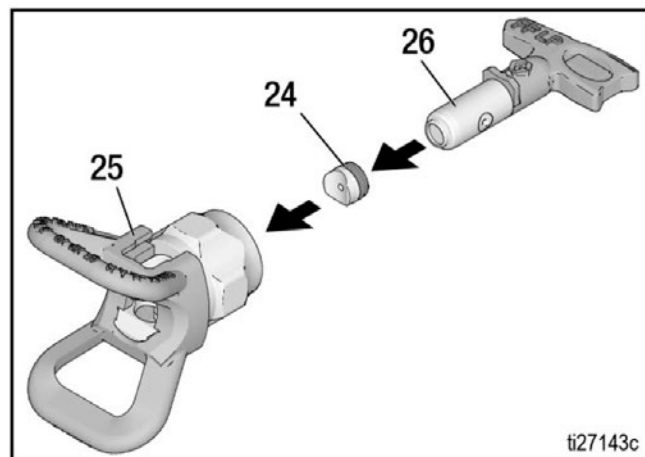
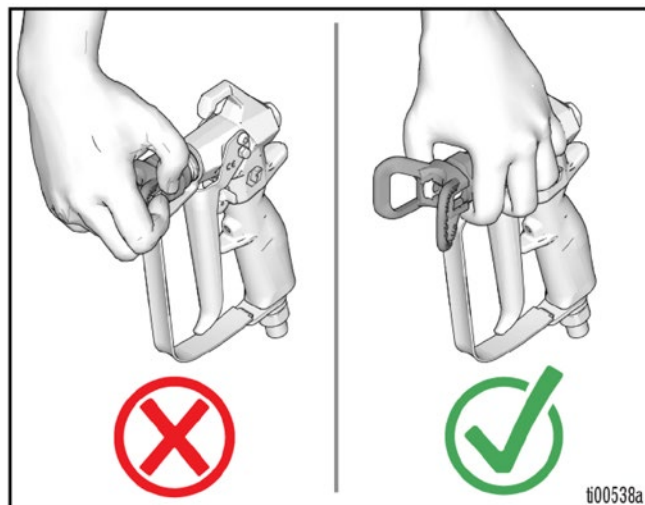
Install Tip and Tip Guard on Sprayer Gun



To avoid serious injury from skin injection do not put your hand in front of the spray tip when installing or removing the spray tip and tip guard.

To prevent spray tip leaks make certain spray tip and tip guard are installed properly.

1. Relieve pressure. Follow the instructions for depressurizing the DeconStrike spray system (page 5).
2. Engage trigger lock (15).
3. Use spray tip (26) to align gasket and seal (24) in the tip guard (25).
4. Insert tip (26) in guard (25).
5. Verify spray tip and tip guard parts are assembled in the order shown.
6. Install guard (25) over end of gun (1). Hand tighten retaining nut.



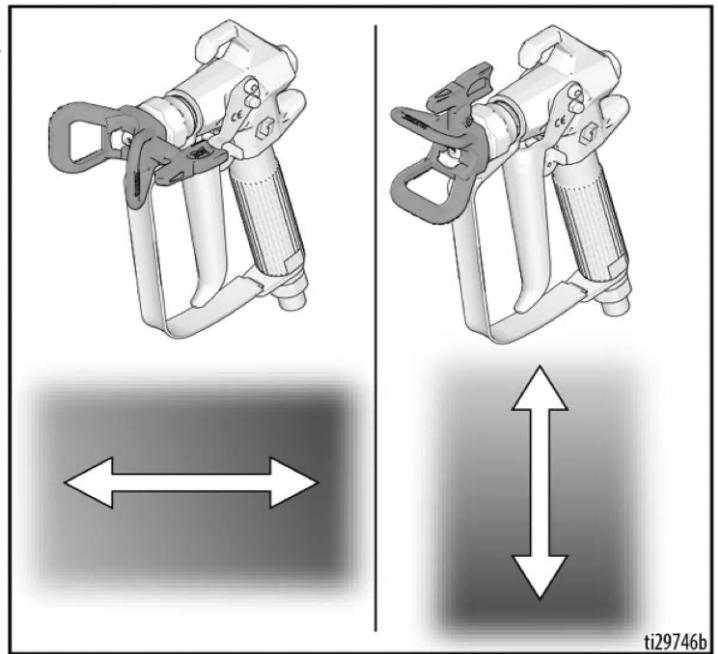
SPRAY GUN: OPERATION & CLEANUP

DeconStrike™

Aligning Spray



1. Relieve pressure. Follow the instructions for depressurizing the DeconStrike spray system (page 5).
2. Engage trigger lock (2).
3. Loosen guard retaining nut.
4. Align guard (25) horizontally to spray a horizontal pattern or vertically to spray a vertical pattern.
5. Hand tighten guard (25) retaining nut when you have adjusted to desired setting.



Clear Spray Tip Clog

In the event that particles or debris clog the spray tip, this gun is designed with a reversible spray tip that quickly and easily clears the particles without disassembling the sprayer.

1. Engage trigger lock (2).
2. Rotate spray tip (26) to unclog position. Disengage trigger lock (2).
3. Trigger gun at disposal area to clear clog.

NOTE: If spray tip (26) is difficult to rotate when turning to the unclog position, perform the procedure for depressurizing the DeconStrike spray system (page 5), then turn Prime/Spray valve to spray position and repeat step 1.

4. Engage trigger lock (2).
5. Rotate spray tip (26) back to spray position.
6. Disengage trigger lock (2) and continue spraying.

NOTICE

To prevent damage to the gun parts, do not leave the gun or any parts, except the tip, in water or cleaning solvents. The gun is NOT compatible with cleaning solvents that contain methylene chloride.

Cleanup

Flush gun, clean filter (see Cleaning/Replacing Filter on page 12) and clean solution off the outside after each work shift. Store in a dry location. Do not leave the gun or any parts in water or cleaning solvents.

SPRAY GUN: MAINTENANCE

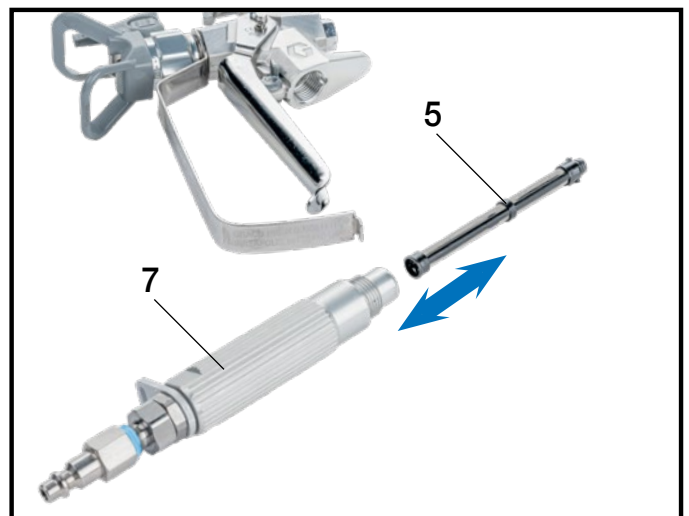
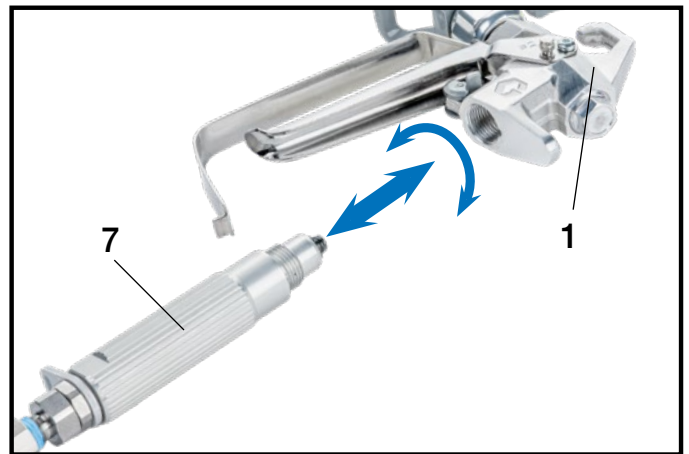
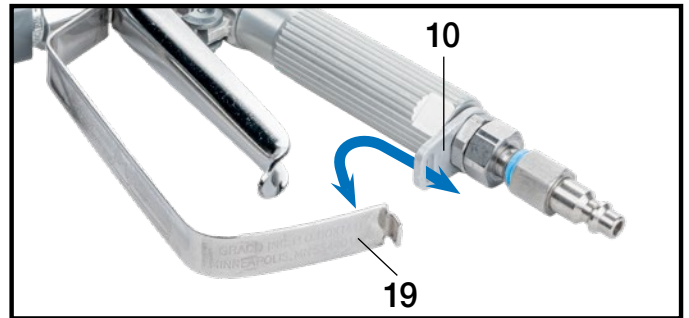
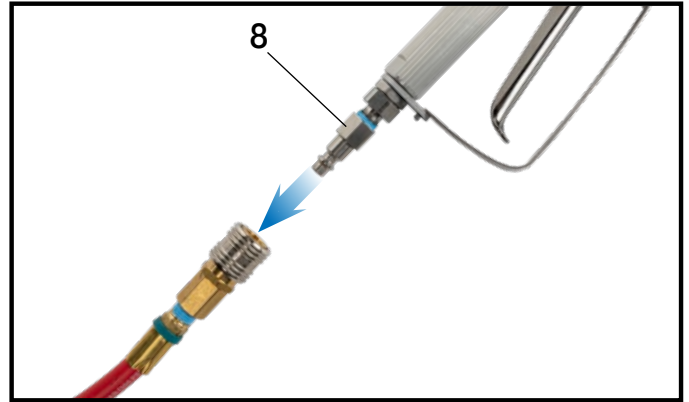


To avoid serious injury from skin injection, follow the instructions for depressurizing the DeconStrike spray system (page 5) before performing any maintenance on the gun.

Cleaning/Replacing Filter

A plugged filter reduces gun performance.
Clean filter after each use.

- 1.** Relieve pressure. Follow the instructions for depressurizing the DeconStrike spray system (page 5).
- 2.** Disconnect fluid hose from gun at quick disconnect (8).
- 3.** Disconnect trigger guard (19) from gun retainer (10).
- 4.** Unscrew handle (7) from gun (1).
- 5.** Remove filter (5) through top of handle (7).
- 6.** Inspect filter (5) for damage to the filter mesh. Replace the filter if the filter mesh has holes or voids.
- 7.** Clean filter (5). Use a soft brush to loosen and remove excess debris.
- 8.** Inspect handle bore (7) for damage. Replace the handle bore if it is corroded or pitted and check material for compability with aluminum.
- 9.** Insert clean filter (5) into handle (7).
- 10.** Reattach handle (7) to gun (1). Tighten securely.
- 11.** Reconnect trigger guard (19) to guard retainer (10).
- 12.** Engage trigger lock.



TECHNICAL SPECIFICATIONS

DeconStrike™

The DeconStrike Portable Decontamination Sprayer has been tested by a 3rd party to meet the intended operational performance requirements.

PERFORMANCE SPECIFICATIONS

PARAMETER	VALUE
Dimensions	24" (609.6 mm) H x 16" (406.4 mm) W x 10.1" (256.54 mm) D
Weight	30 lbs.(13.6 kgs) empty
Solution Tank	Capacity: 2.5 gal (3.78 L), Maximum Pressure: 800 psi (55.1 bar)
Cylinder Tank	Carbon Fiber Wrapped Cylinder 88ci/4500 psi (310.2 bar)
Operating Spray Distance	12-18 in. (304-457mm)
Discharge Hose	½ in. (12.7 mm) Diameter x 60 in. (1524 mm) Length WP: 20 BAR (300 psi), BP: (900 psi)
Gas Type	Compressed air or nitrogen
Pressure Relief Valve	175 psi (12 bar)
Operating PSI	150 psi (10 bar)

OPERATION & STORAGE CONDITIONS

TEMPERATURE OPERATION CONDITIONS

Operating temperature between -13°F (-25°C) and 130°F (54°C).

STORAGE & PROTECTION

- Storage temperature range between -13°F (-25°C) and 130°F (54°C).
- The DeconStrike Portable Decontamination Sprayer must be stored in the upright position once it has been filled.
- When empty the DeconStrike Sprayer System can be stored in a horizontal position.
- A thorough inspection should be conducted if the system has been placed in storage prior to placing the unit in an operational status.
- The DeconStrike sprayer may be stored filled with a decontamination solution for up to 7 days.
Note: The pressure relief valve should be pulled once every 24 hrs. to release any built-up pressure.
- It is recommended that the unit be stored in a temperature-controlled space when possible. Room temperature not to exceed 130°F (54°C).
- Cylinders heated to a temperature of 250°F (121°C) or more must be condemned or re-qualified in accordance with test defined in CFR-49.

TRANSPORTATION

The DeconStrike Portable Decontamination Sprayer should be thoroughly secured when being transported by vehicle, or when on a trailer.

APPENDIX

- Replacing O-Rings
- Training
- Maintenance Recommendations & Instructions
- Scheduled Maintenance
- Maintenance Log
- Troubleshooting Guide
- Components List
- Glossary of Terms
- Symbols

DeconStrike™

REPLACING O-RINGS

Before replacing O-rings

- Follow the instructions for depressurizing the DeconStrike spray system (page 5).
- Follow the instructions for removing the solution tank (page 6).

To replace the solution tank manifold O-ring

- Remove the manifold from the solution tank by unscrewing the manifold turning it counter-clockwise (↺). (Image 9.1)
- Using an O-ring pick, gently remove the O-ring and discard. (Image 9.2)
- Apply water-based lubricant to the O-ring.
- Using the manufacturer recommended replacement O-ring, ease the O-ring into place (slide, don't roll) until fully seated in O-ring channel.
- Replace the manifold on the solution tank by screwing the manifold into the solution tank, turning it clockwise (↻), until fully seated.

Image 9.1



Image 9.2



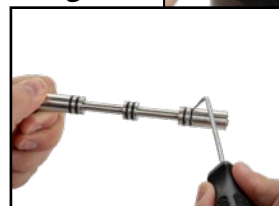
To replace the solution tank manifold piston valve O-rings

- Remove one of the knurled-head thumb screws by unscrewing it, turning it counter-clockwise (↺). (Image 9.3)
- Pull the piston valve from the manifold by the opposite thumb screw until fully unseated.
- Using an O-ring pick, gently remove the 6 O-rings and discard. (Image 9.4)
- Apply water-based lubricant to the 6 O-rings.
- Using the manufacturer recommended replacement O-rings, ease the O-rings into place (slide, don't roll) until fully seated in each of the 6 O-ring channels.
- Replace the piston valve by inserting it back into the manifold until fully seated.
- Replace the previously removed knurled-head thumb screw by screwing it clockwise (↻) until fully seated.

Image 9.3



Image 9.4



NOTE: O-rings need to be properly installed to help prevent leaks and add to the service life of the sprayer.

TRAINING

- Training on the DeconStrike should be conducted annually, for all operators.
- Maintainers should complete both initial training and refresher training.
- Trainers should be thoroughly familiar with the system, proper decontamination procedures, and CBRN hazards.
- Operator training should be accomplished using a "hands-on" approach whenever possible.

MAINTENANCE RECOMMENDATIONS

Maintenance will need to be performed by a certified technician as required. The techniques described in this section will allow a certified technician to easily repair the DeconStrike unit.

Users should contact the manufacturer if a malfunction cannot be corrected after employing good troubleshooting practices.

MAINTENANCE INSTRUCTIONS

The DeconStrike system should be cleaned and inspected after each use.

NOTE: It is important to document all maintenance – both scheduled and unscheduled – and keep the accumulated records in a safe and accessible place.

NOTE: If you are not sure how to perform any of the maintenance items listed above, take the unit to a qualified/trained technician to have the maintenance item performed.

Signature

[illegible]

TROUBLE SHOOTING GUIDE

PROBLEM	POSSIBLE CAUSE	SOLUTION
Improper Spray	<ul style="list-style-type: none"> No solution in tank No air or nitrogen in gas cylinder Hose is leaking Trigger handle leaks Fittings not properly fastened Pickup tube clogged Spray gun clogged O-rings worn or damaged 	<ul style="list-style-type: none"> Fill tank using recommended procedure Fill cylinder using recommended procedure Check connections and/or replace hose Check hose connection and/or reinstall tip Inspect quick disconnect for proper connection See instructions for cleaning the pickup tube See manufacturer's instruction for clearing clogs See instructions for replacing the O-rings
System not fully discharging	<ul style="list-style-type: none"> Insufficient volume of air/nitrogen in cylinder Pressure regulator has malfunctioned Decontamination solution is frozen or near freezing Blockage in suction hose Blockage in spray gun 	<ul style="list-style-type: none"> Fill cylinder using recommended procedure Contact the manufacturer Move system to a climate-controlled environment to thaw out solution tank See instructions for cleaning the pickup tube See manufacturer's instruction for clearing clogs
Air leak	<ul style="list-style-type: none"> Manifold assembly is loose or broken Pressure regulator has malfunctioned or not properly seated Fittings not properly fastened O-rings worn or damaged 	<ul style="list-style-type: none"> Contact the manufacturer Depressurize system, unscrew and reseal the pressure regulator to the cylinder Inspect quick disconnect for proper connection See instructions for replacing the O-rings
If problem persists after trying the above solutions, replace unit.		
NOTICE: As the equipment owner, you are responsible for the performance of the required maintenance listed in the Maintenance section. Neglecting or failing to perform the required maintenance may degrade performance and/or cause irreversible damage to the unit.		

DECONSTRIKE SYSTEM COMPONENTS

The DeconStrike Portable Decontamination Sprayer consists of the following components:

Air Control System: Air/nitrogen cylinder control valve and hose system that connects the air system to the solution tank and controls the charging of the system.

Air Cylinder PSI Gauge: Threads into the pressure regulator and shows the current psi in the air/nitrogen cylinder.

Carrying Case: Rugged case that houses both the air/nitrogen cylinder and the solution tank; both protects the components and provides a user-friendly way to transport the system.

High-Pressure Air/Gas System: Carbon fiber wrapped cylinder with regulator (88CI/4500psi)

Output Regulator: The output regulator maintains the pressure entering system at 150 psi

Pressure Regulator: Connects the air/nitrogen cylinder to the solution tank; reduces the pressure from the air/nitrogen cylinder (4500 psi) to the safe and usable pressure that is required (150 psi) for the system to discharge the contents of the solution tank.

Pressure Relief Valve: Threads into the manifold, and automatically activates if the pressure in the regulator exceeds the preset limit (200 psi)

Siphon Tube with Inlet Strainer: Threads onto the bottom of the manifold and pulls solution from the tank during operation.

Solution Tank: 2.5-gallon aluminum tank with an operating pressure of 150 psi

Solution Tank Manifold and Control System: Threads onto the top of the solution tank and controls the spray and depressurization functions via the piston valve.

Spray Gun: Connects to the spray hose via quick disconnects; squeezing the trigger on a charged system's spray gun will result in the release of the solution tank contents.















Spray Gun Guard and Tip: Threads into the end of the spray gun; features tool-free removal for ease in clearing clogs.

Spray Hose Assembly: Connects from the top of the solution tank manifold to the bottom of the spray gun.

GLOSSARY OF TERMS

TERM	DESCRIPTION
PSI	Pounds Per Square Inch
CI	Cubic Inch

SYMBOLS

SYMBOL	REFERENCE	TITLE/MEANING
	ISO 7000-2492	Batch Code/Manufacturer's Lot
	ISO 7000-2493	Catalogue Number
	ISO-7000-2498	Serial Number
	ISO 7000-1641	Operating Instructions, eIFU
	ISO 7000-0632	Temperature Limits. Limits for Safe Device Exposure
	ISO 7000-3082	Device Manufacturer
	ISO 7000-6049	Country of Manufacture
	ISO 7000-043A	Caution
	N/A	Skin Injection Hazard
	N/A	Skin Injection Hazard
	N/A	Pressurized Aluminum Parts Hazard
	ISO 7010-M002	Follow Instructions For Use
	N/A	Pressure Relief Procedure
	ANSI Z87.1	Personal Protective Equipment



DeconStrike™

PORTABLE DECONTAMINATION SPRAYER

*Scan for
Digital User
Manual*



**FOR INFORMATION ON WARRANTY FOR THE DECONSTRIKE PORTABLE
DECONTAMINATION SYSTEM AND COMPONENTS, PLEASE REFER TO
[HTTPS://WWW.NARESCUE.COM/TERMS-AND-CONDITIONS](https://www.narescue.com/terms-and-conditions)**



NORTH AMERICAN RESCUE®

www.NARescue.com • 888.689.6277

35 Tedwall Ct. • Greer SC 29650 • USA