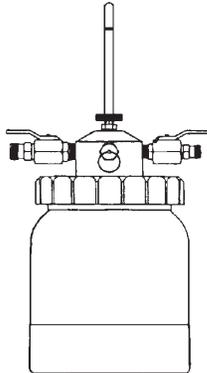


DEVILBISS® HD-503 HOSE/GUN CLEANER

NOTE

Important: Before using this equipment, read all safety precautions and instructions. Keep for future use.



DESCRIPTION

⚠ WARNING

Halogenated Hydrocarbon solvents - for example; 1, 1, 1 - Trichloroethane and Methylene Chloride - can chemically react with the aluminum in this hose/gun cleaner and cause an explosion hazard. Read the label or data sheet for the material you intend to spray. Do not use materials containing these solvents with the hose/gun cleaner listed above.

This hose/gun cleaner provides a means of cleaning the inside of material hose, fluid passageways of spray guns and other paint equipment. It is designed to mix solvents and compressed air to pressure flush paint lines and passages quickly and thoroughly, eliminating color contamination and saving time. This results in clean and dry paint passageways using less than 25% of cleaning solvents required in wet flush systems.

SPECIFICATIONS

Fluid Capacity: 2 quarts
Dry Weight: 5 lbs.
Maximum Working Pressure: 50 PSI
Air Inlet Size Ball Valve: 1/4" NPS(M)
Fluid Outlet Size: Ball Valve 3/8" NPS(M)

WETTED PARTS

Wetted parts are aluminum, nickle plated brass, PTFE and santoprene gasket.

IMPORTANT! DO NOT DESTROY

It is the Customer's responsibility to have all operators and service personnel read and understand this manual. Contact your local DeVilbiss representative for additional copies of this manual.

READ ALL INSTRUCTIONS BEFORE OPERATING THIS DEVILBISS PRODUCT.

INSTALLATION

⚠ WARNING

Static electricity is produced when using this hose/gun cleaner. Static electricity sparks may be created during the cleaning operation. A spark from static electricity may cause fire or explosion. If the gun or tool attached to the fluid hose line is not grounded, it will build a static charge.

To prevent sparks from static electricity, you must ground:

- 1. The hose/gun cleaner**
- 2. The gun or tool attached to the fluid hose line from the equipment cleaner.**
- 3. The waste container.**

To ground equipment:

- 1. Use air hose containing a static electricity grounding wire.**
- 2. Attach one end of a ground wire to each item listed above.**
- 3. Attach the other end of the wire to a water pipe, metal electrical conduit or any pipe or structural member known to be grounded.**

⚠ WARNING

Over pressurized equipment and hoses may be damaged or subject to hazardous bursting. Your hose/gun cleaner is designed to have a maximum working pressure (MWP) of 50 psi. Always use hose and accessories designed for this maximum fluid pressure.

⚠ WARNING

Air pressure loads that are higher than design loads, or changes to the hose/gun cleaner can cause it to rupture or explode.

A safety valve protects the cleaner from over pressurization. During each use, pull the ring on the safety valve to make sure it operates freely and relieves air pressure. If the valve is stuck, does not operate freely or does not relieve air pressure, it must be replaced. Do not eliminate, make adjustments or substitutions to this valve.

⚠ WARNING

Changes to the hose/gun cleaner will weaken it. Never drill into, weld, or change the hose/gun cleaner in any way.

The maximum working pressure of the cleaner is 50 psi.

OPERATION

When spraying is complete, back flush remaining material in spray gun and hose as follows:

1. Turn off air to material tank and bleed air out of the material tank.
2. Loosen clamps on tank lid. Tip lid so material will run out of fluid tube into material tank.
3. Loosen air cap on gun several turns and hold rag over cap. Pull trigger and force material from gun and hose back into tank.

To clean hose and gun passages:

1. Fill hose/gun cleaner with suitable cleaning solvent (see "Warning" in Column 1 on Halogenated Hydrocarbon solvents). Close lid on cleaner.
2. Connect air hose to 1/4" NPS(M) ball valve on gun/hose cleaner. Close ball valve. Regulate air pressure (must be remotely regulated) to a maximum of 50 psig.
3. Disconnect material hose from material supply tank and connect to 3/8" NPS(M) ball valve on hose/gun cleaner.
4. When ready to clean, open both ball valves on hose/gun cleaner.
5. Turn metering valve on top of hose/gun cleaner to adjust amount of solvent - air ratio. Turn counterclockwise to increase, clockwise to decrease. Fully clockwise shuts off solvent completely. To begin, open counterclockwise at least 2 turns for sufficient solvent for cleaning.
6. Trigger gun with solvent going into spray booth or properly grounded container. Continue spraying until solvent is clear with no traces of paint.
7. Turn metering valve on hose/gun cleaner fully clockwise shutting off solvent flow, while allowing air to continue to flow. Continue until solvent residue is removed.
8. Turn off air at source. Trigger gun to remove residual air pressure. Close both ball valves on hose/gun cleaner.

PREVENTIVE MAINTENANCE

Check lid gasket (7) and needle valve gasket (2) for signs of wear or damage. Replace as needed.

In this part sheet, the words **WARNING**, **CAUTION** and **NOTE** are used to emphasize important safety information as follows:

WARNING

Hazards or unsafe practices which could result in severe personal injury, death or substantial property damage.

CAUTION

Hazards or unsafe practices which could result in minor personal injury, product or property damage.

NOTE

Important installation, operation or maintenance information.

WARNING

Read the following warnings before using this equipment.



READ THE MANUAL

Before operating finishing equipment, read and understand all safety, operation and maintenance information provided in the operation manual.



OPERATOR TRAINING

All personnel must be trained before operating finishing equipment.



EQUIPMENT MISUSE HAZARD

Equipment misuse can cause the equipment to rupture, malfunction, or start unexpectedly and result in serious injury.



LOCK OUT / TAG-OUT

Failure to de-energize, disconnect, lock out and tag-out all power sources before performing equipment maintenance could cause serious injury or death.



AUTOMATIC EQUIPMENT

Automatic equipment may start suddenly without warning.



PRESSURE RELIEF PROCEDURE

Always follow the pressure relief procedure in the equipment instruction manual.



KEEP EQUIPMENT GUARDS IN PLACE

Do not operate the equipment if the safety devices have been removed.



KNOW WHERE AND HOW TO SHUT OFF THE EQUIPMENT IN CASE OF AN EMERGENCY



WEAR SAFETY GLASSES

Failure to wear safety glasses with side shields could result in serious eye injury or blindness.



INSPECT THE EQUIPMENT DAILY

Inspect the equipment for worn or broken parts on a daily basis. Do not operate the equipment if you are uncertain about its condition.



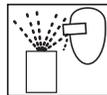
NEVER MODIFY THE EQUIPMENT

Do not modify the equipment unless the manufacturer provides written approval.



NOISE HAZARD

You may be injured by loud noise. Hearing protection may be required when using this equipment.



PROJECTILE HAZARD

You may be injured by venting liquids or gases that are released under pressure, or flying debris.



PINCH POINT HAZARD

Moving parts can crush and cut. Pinch points are basically any areas where there are moving parts.



STATIC CHARGE

Fluid may develop a static charge that must be dissipated through proper grounding of the equipment, objects to be sprayed and all other electrically conductive objects in the dispensing area. Improper grounding or sparks can cause a hazardous condition and result in fire, explosion or electric shock and other serious injury.



WEAR RESPIRATOR

Toxic fumes can cause serious injury or death if inhaled. Wear a respirator as recommended by the fluid and solvent manufacturer's Safety Data Sheet.



TOXIC FLUID & FUMES

Hazardous fluid or toxic fumes can cause serious injury or death if splashed in the eyes or on the skin, inhaled, injected or swallowed. LEARN and KNOW the specific hazards or the fluids you are using.



FIRE AND EXPLOSION HAZARD

Improper equipment grounding, poor ventilation, open flame or sparks can cause a hazardous condition and result in fire or explosion and serious injury.



MEDICAL ALERT

Any injury caused by high pressure liquid can be serious. If you are injured or even suspect an injury:

- Go to an emergency room immediately.
- Tell the doctor you suspect an injection injury.
- Show the doctor this medical information or the medical alert card provided with your airless spray equipment.
- Tell the doctor what kind of fluid you were spraying or dispensing.



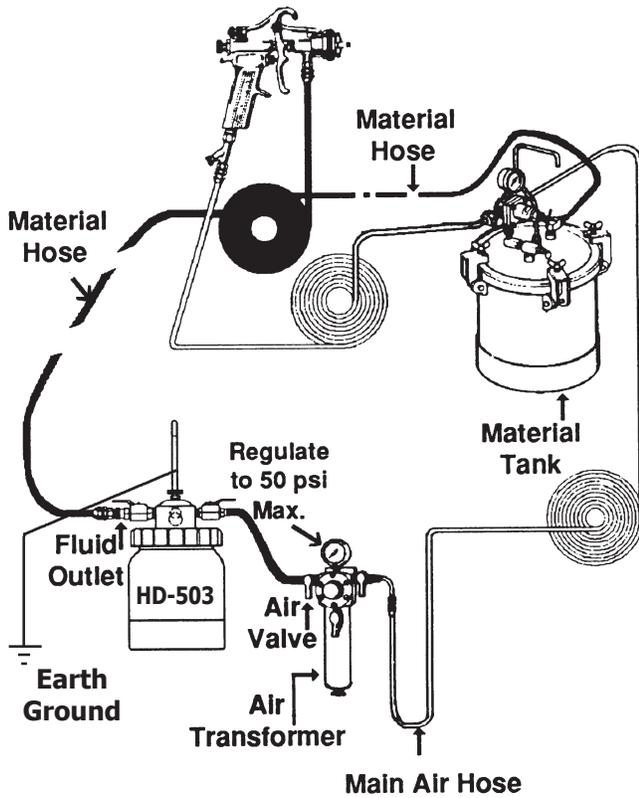
GET IMMEDIATE MEDICAL ATTENTION

To prevent contact with the fluid, please note the following:

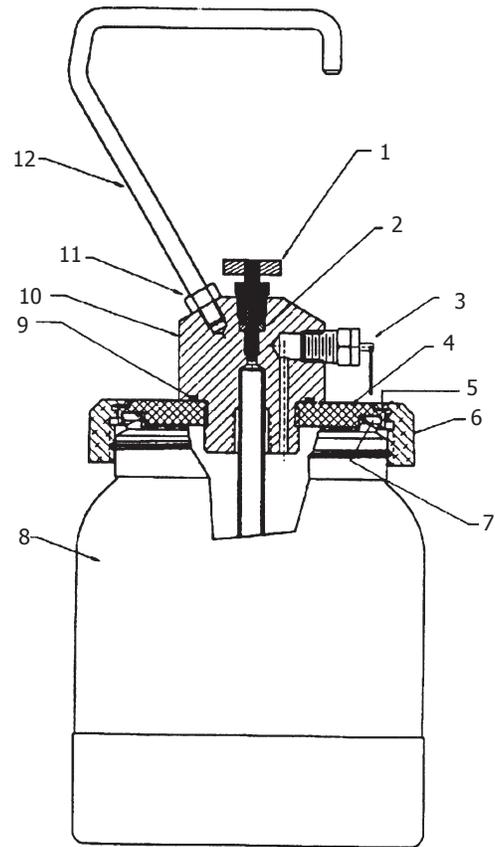
- Never point the gun/valve at anyone or any part of the body.
- Never put hand or fingers over the spray tip.
- Never attempt to stop or deflect fluid leaks with your hand, body, glove or rag.
- Always have the tip guard on the spray gun before spraying.
- Always ensure that the gun trigger safety operates before spraying.

IT IS THE RESPONSIBILITY OF THE EMPLOYER TO PROVIDE THIS INFORMATION TO THE OPERATOR OF THE EQUIPMENT. FOR FURTHER SAFETY INFORMATION REGARDING THIS EQUIPMENT, SEE THE GENERAL EQUIPMENT SAFETY BOOKLET (77-5300).

**FIGURE 1
TYPICAL INSTALLATION**



**FIGURE 2
HD-503 HOSE/GUN CLEANER
CROSS SECTION VIEW**



ACCESSORIES

Air Supply Hose:

H-1921 or 71-20000 Air Hose – with static ground wire braid, 5/16" ID. (Also need two 3-piece reusable P-HC-4527 or 72-1317 connectors.)

or

H-1958 or 71-21000 Air Hose –with static ground wire braid, 3/8" ID. (Also need two 3-piece reusable P-HC-4528 or 72-1325 connectors.)

Fluid Delivery Hose:

H-1973-1 or 71-282 Nyliner II fluid hose – 3/8" ID.

(Also need two 3-piece reusable P-HC-4548 or 72-1328 connectors.)

PARTS LIST

Ref. No	Replacement Part Number	Description	Ind. Parts Req.
1	HD-409	Needle Valve Assy.	1
2	HD-39-K2	Needle Valve Gasket (Kit of 2)	1
3	TIA-4355	Safety Valve	1
4	HD-42	Lid	1
5	KB-81-K5	Ring Gasket (Kit of 5)	1
6	KB-64	Retaining Ring	1
7	KB-80-K5	Gasket Kit (Kit of 5)	1
8	KB-422	Cup (2 quart)	1
9	SSG-8184-K2	O-Ring Kit (Kit of 2)	1
10	HD-408	Hub Assembly	1
11	•	Nut (5/16-18)	1
12	KB-74	Handle	1
13	VA-542	Ball Valve, 1/4 NPS (air) (not shown)	1
14	VA-540	Ball Valve, 3/8 NPS (fluid) (not shown)	1

• Purchase locally.

WARRANTY POLICY

This product is covered by Carlisle Fluid Technologies' materials and workmanship limited warranty. The use of any parts or accessories, from a source other than Carlisle Fluid Technologies, will void all warranties. Failure to reasonably follow any maintenance guidance provided may invalidate any warranty.

For specific warranty information please contact Carlisle Fluid Technologies.

Carlisle Fluid Technologies is a global leader in innovative finishing technologies. Carlisle Fluid Technologies reserves the right to modify equipment specifications without prior notice.

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Europe, Africa, Middle East, India	Tel: +44 (0)1202 571 111 Fax: +44 (0)1202 573 488	
China	Tel: +8621-3373 0108 Fax: +8621-3373 0308	
Japan	Tel: +81 45 785 6421 Fax: +81 45 785 6517	
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