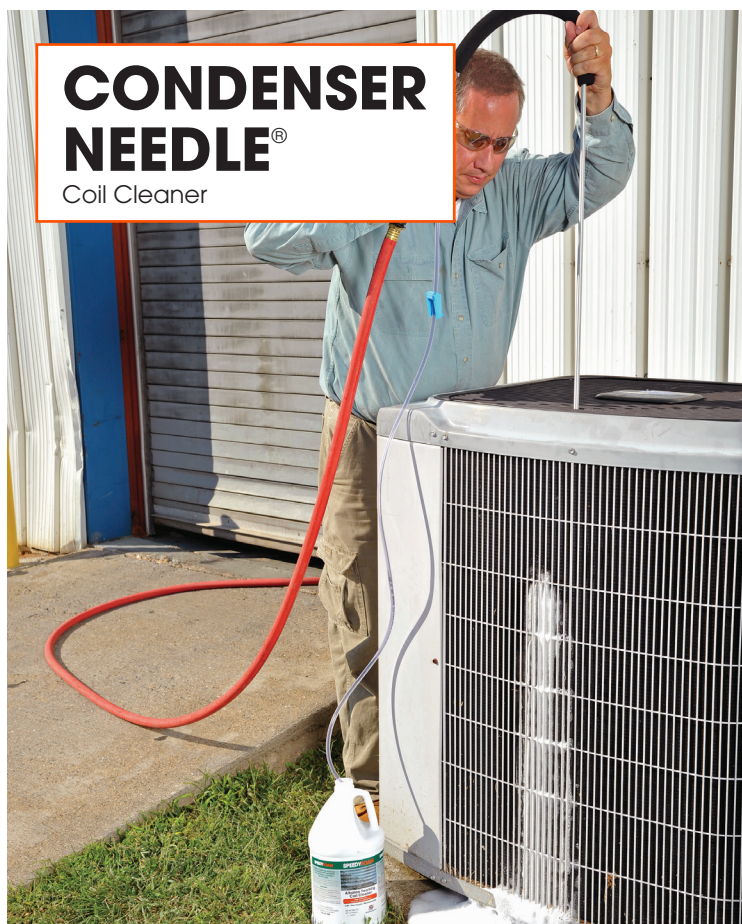


SpeedClean®

Innovative Maintenance Tools.



CONDENSER NEEDLE®

Coil Cleaner



SPEEDCLEAN®

OPERATING & MAINTENANCE INSTRUCTIONS

U.S. Patent D624,718

Thank you for purchasing this SpeedClean Condenser Needle® Coil Cleaner. We appreciate your business and look forward to serving you in the future. As with all SpeedClean products, you can be assured that the finest quality components and workmanship have gone into this machine.

Please take a few minutes to read the following Operating and Maintenance Instructions. Please pay particular attention to the safety instructions and exercise caution when using this product.

Condenser Needle®

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Condenser Needle®

Limited Warranty

This item has been carefully tested and inspected and is warranted to be free from defects in material or workmanship. The company will, under this warranty, repair or replace any parts which prove, upon examination, to be defective. This warranty is valid 90 days from date of purchase by original purchaser.

This warranty excludes accessories, unusual wear, abuse, damage resulting from an accident, or unreasonable use of this product. It is recommended that any repairs be done by SpeedClean as improperly performed repairs will void the warranty.

For repairs or warranty information DO NOT contact the place of purchase. Call SpeedClean Customer Service at (888) 700-3540.

To obtain warranty service a proof of purchase is required and the unit must be returned freight prepaid. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. SpeedClean reserves the right to improve products. Contact the factory for the latest configuration and uses.

Save these Instructions!!**1. Work Area**

- Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
- Keep bystanders, children, and visitors away while operating a tool. Distractions can cause you to lose control.

2. Personal Safety

- Do not spray on electrical items — Possible electrocution or damage.
- Stay alert, watch what you are doing and use common sense when operating. Do not use tool while tired or under the influence of drugs, alcohol, or medication
- Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enables better control of the tool in unexpected situations.
- Use safety equipment. Always wear eye protection, gloves and any other equipment as required.

3. Tool Use and Care

- Do not force tool.
- Store tools out of reach of children and other untrained persons. Tools are dangerous in the hands of untrained users.
- Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.
- Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool may become hazardous when used on another tool.

4. Service

- Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.
- When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual.

Wear Proper Clothing: Protect yourself! Wear rubber gloves, rubber boots, etc. Wear eye and face protection, goggles or face-shield. Coil cleaning chemicals may cause injuries to the eyes and skin. Protect yourself from direct skin contact with the chemicals found in this environment. Remember that water splatter can send these chemicals toward you, so, again, protect yourself.

Environment: Make sure that there is adequate ventilation into the work area. Do not operate in areas where flammable gases or liquids are present.

Changing Hoses and/or Nozzles: ALWAYS turn water off when changing hoses or nozzles. Never hold onto nozzle or point it at anyone when water is turned on.

Job Completion: Always disconnecting water supply. Rinse unit with water before storing.

Maintenance: Keep unit clean and dry to maximize performance and longevity. Follow maintenance outlined in this manual, such as checking for weak spots, leaks, slices or cuts in hose, replace nozzles when worn. Additional maintenance details follow in this manual.

Do's

- Keep this manual with the unit at all times.
- Always run **clean** water through the unit after using the chemical injection system.
- Always relieve pressure in the spray gun and hose after use, and prior to transporting or storing.
- Always secure the unit while transporting to prevent it from damage.
- Always be extra careful when not on level, secure ground.
- Keep operational area clear of all persons.
- Use only SPEEDCLEAN recommended attachments.

Don'ts

- Don't use the Condenser Needle® if it is not in a good operating condition, is not completely assembled, or is damaged. Always inspect the unit to ensure there are no leaks.
- Don't operate without eye protection.
- Don't assume chemical compatibility — if a chemical other than SpeedyFoam® is used you must ensure that the chemical will not damage the internal components. A full chemical compatibility check must be done first. **CAUTION!** IF YOU ARE UNSURE ABOUT CHEMICAL COMPATABILITY CALL SPEEDCLEAN AT ONCE BEFORE PUTTING CHEMICAL THROUGH THE CONDENSER NEEDLE®
- Don't point spray lance at people or animals as this unit discharges a high-pressure stream that may contain chemicals.
- Don't use the unit with combustible fluids.
- Don't use the unit in an environment or on objects that are above 175° F (79° C).
- Don't use unit with children in the immediate area.

Pre-Operation Checklist

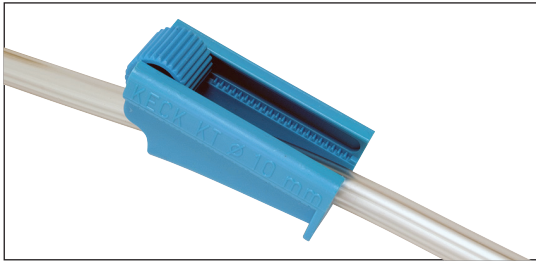
- ✓ Check for adequate water and chemical supply.
- ✓ Check nozzles and make sure orifices are not blocked or worn to excess.
- ✓ Check pressure hose for wear or kinks.
- ✓ Check all connections.

Assembly

Connect wand to spray gun and insert siphon tube into chemical container.

Normal Usage

1. The Condenser Needle® is equipped with a chemical injection system, variable at a ratio of approximately 0 (no chemical) through 16 to 1. It will inject chemical from a separate chemical container.
2. Insert Condenser Needle® into coil and clean from the inside to outside blowing the debris in reverse direction from the operational flow.
3. The Condenser Needle® can rotate while in use for universal spray direction.
4. Apply SpeedyFoam® then start rinsing from where chemical application started.
5. Control the chemical application by rolling the restricting wheel up or down to allow 16:1, water to chemical respectively, or turn it off completely (No Chemical).



6. Run clean water through the unit after using the chemical injection.
7. Always turn off water and relieve the pressure by pointing the spray gun lance in a safe direction and squeezing the spray gun trigger.

Condenser Needle®

General Maintenance and Storage

Storing

1. Before storing the unit, run clean water through for at least 10 seconds and drain water from hoses.

Care Tips

Be careful with hose against sharp edges. Sharp edges can scrape, slice and generally damage hose quickly. While hose is easily replaced, it pays to take care by buffering sharp edges with tape, cardboard, etc., to maximize its useful life.

Troubleshooting

ISSUE	PROBABLE CAUSE	REMEDY
No water when spray gun trigger is squeezed	<ul style="list-style-type: none">• Water is not turned on• Hoses and/or nozzle clogged	<ul style="list-style-type: none">• Turn water on• Check hoses and nozzles for clogs
Low water pressure or flow	<ul style="list-style-type: none">• Restricted valves, nozzle or hoses• Low input flow or pressure	<ul style="list-style-type: none">• Open all valves completely; check hoses and nozzles for debris.• Check for other valves that are not completely open.
No chemical	<ul style="list-style-type: none">• Siphon hose control valve closed• Siphon hose strainer clogged• Siphon clogged• Hose kinked• Water flow too low	<ul style="list-style-type: none">• Roll control valve wheel• Clear any clogs• Clean siphon• Check hose for pinch bends• Make sure all valves are completely open
Leaks	<ul style="list-style-type: none">• Worn seals• Debris caught in seal	<ul style="list-style-type: none">• Replace seals• Clear debris

Technical Data

CONDENSER NEEDLE®	
Maximum Pressure	100 PSI Flow @ 50 PSI. 3.3 GPM
Maximum Water temperature	160 °F

Condenser Needle®

Parts List

1. 8916 Needle Wand



2. 8918 Sleeve
3. 9650-2 Clamp
4. QDN-MAP Male Quick Connect
5. 6032 ¼ Hose Barb
6. 7060-1 Braided Hose 15" long
7. 8919 Clamp
8. QDN-FA2 Female Connector
9. 917 Nipple
10. Check Valve
11. 8915 Flow Control
12. 8932 Clear Hose 8 Feet Long
13. 8914-1 Spring Strainer
14. 8943-4 ¼ to ¼ FGH Connector
15. 1543 Washer
16. 8914 Siphon
17. (2) 1543 Washers
18. 8966 Spray Gun
19. 1543 Washer



Assembly completed this end





PO Box 110301
Stamford, CT 06911-0301
(888) 700-3540
www.speedclean.com



SpeedyFoam®



CoilJet®



Mini-Split
Bib® Kit

SpeedClean is a registered trademark of Crossford International. SpeedClean reserves the right to improve products; contact the factory for the latest configuration and uses.

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