



SPEEDCLEAN™

MODEL

CONDENSER-NEEDLE™

COIL CLEANER

OPERATING AND MAINTENANCE INSTRUCTIONS



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INTRODUCTION

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. By carefully following the instructions, you will obtain years of trouble free service from this product. Please pay particular attention to the safety instructions and exercise caution when using this machine.

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General Safety Rules

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 may result.
- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- **Dress properly.** Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose cloths, jewelry, or long hair can be caught in moving parts.
- **Do no 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. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

3. Tool Use and Care

- **Use clamps or other practical way to secure and support the work piece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.
- **Do not force tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.
- **Store idle 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. Use of unauthorized parts or failure to follow Maintenance instructions may create a risk of electric shock or injury.

Specific Safety Rules

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.

Safety Checklist

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 CoilShine™ 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.

Operating Instructions

Assembly

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

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.

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 CoilShine 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.

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

Problem	Probable Cause	Remedy
No water when spray gun trigger is squeezed	Water is not turned on	Turn water on
	Hoses and/or nozzle clogged	Check hoses and nozzles for clogs
Low water pressure or flow	Restricted valves, nozzle or hoses	Open all valves completely; check hoses and nozzles for debris.
	Low input flow or pressure	Check for other valves that are not completely open.
No Chemical	Siphon hose control valve closed	Roll control valve wheel
	Siphon hose strainer clogged	Clear any clogs
	Siphon clogged	Clean siphon
	Hose kinked	Check hose for pinch bends
	Water flow too low	Make sure all valves are completely open
Leaks	Worn seals	Replace seals
	Debris caught in seal	Clear debris

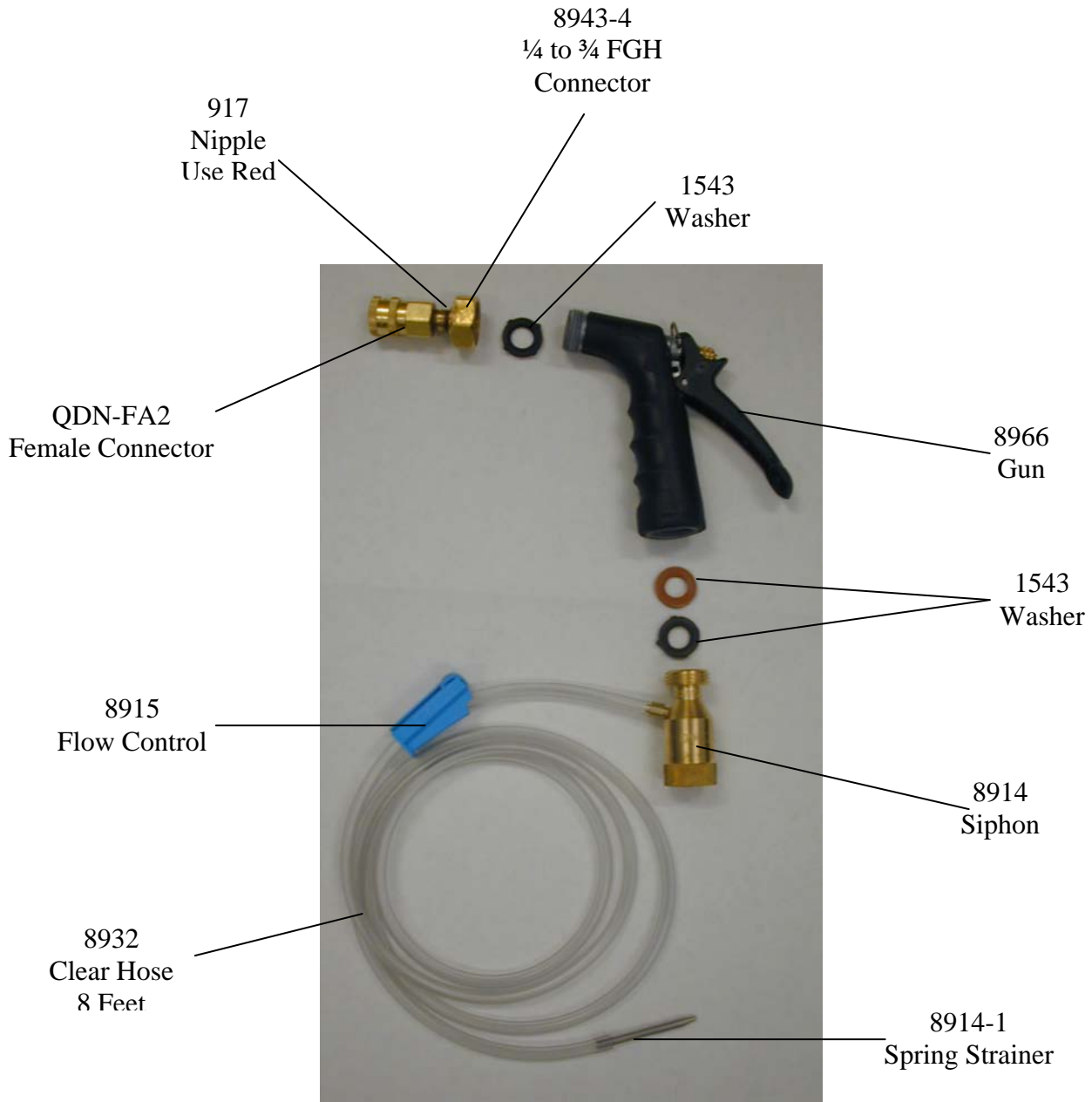
Specifications

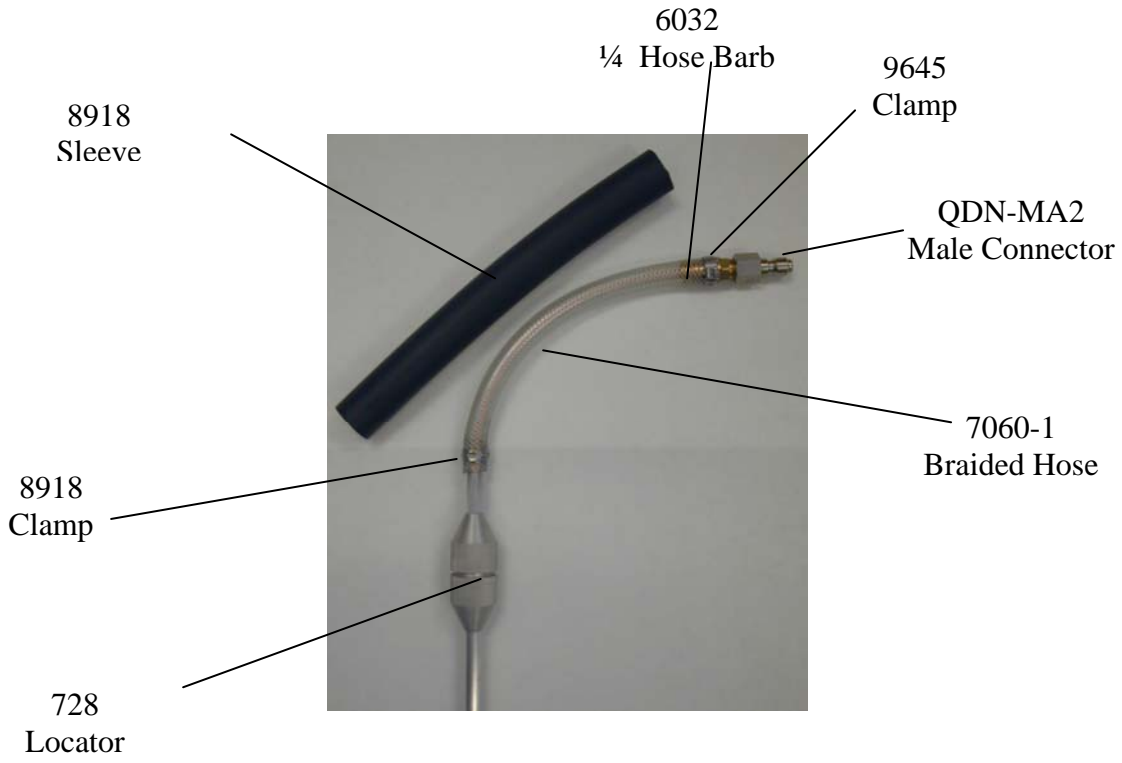
Maximum Pressure: 100 PSI

Flow @ 50 PSI. 3.3 GPM

Maximum Water temperature: 160 °F

Parts List





We Are Here to Serve You!

For Sales & Service Call: 1-888.700.3540



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