


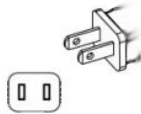
da Vinci[®] SonicPro[™] CLEANING SYSTEM

Pre-Installation Checklist and System Diagrams

To verify the facility meets all requirements for a successful installation, please complete the checklist below. Contact the Authorized Service Provider, **STERIS Corporation**, at 1-800-333-8828 for any questions about these pre-installation requirements, and to schedule installation when all pre-installation requirements are met. Have this completed pre-installation checklist and the system serial number available when contacting STERIS.

Failure to complete all requirements before scheduling installation may result in installation delays and additional site visits, with associated charges.

PRE-INSTALLATION CHECKLIST

Identification Data		Verified
System Serial Number	Record the system serial number (located on a sticker on the rear of the system) here: _____. Please have the serial number available when contacting STERIS.	<input type="checkbox"/>
Electrical Supply		Verified
Number of Outlets Required	Two: one for the system, one for the printer.	<input type="checkbox"/>
SonicPro System Power Requirements	Input Voltage: 208/220 Volts 60Hz Single Phase ±10% Required maximum current: 12A. The intended electrical circuit must meet this requirement.	<input type="checkbox"/>
SonicPro System Power Plug Type	Power cord: 6 feet long, NEMA 6-20 plug. Electrical outlet must be within 6 feet of the rear of the system.	<input type="checkbox"/>
		
Printer and Printer Power	Included printer: Seiko DPU-414 thermal printer Printer dimensions (w x d x h): 6.3" x 6.7" x 2.6". Printer power supply/cord: ~10 feet long, standard NEMA 1-15P plug.	<input type="checkbox"/>
		
Water Supply		Verified
Filtered Line Required	Hot and cold supply: 5-micron or smaller size filter.	<input type="checkbox"/>
Supply Water Pressure	During operation, hot and cold supply pressure entering the system must be 40 psi minimum (40 psi dynamic pressure).	<input type="checkbox"/>
Supply Water Hardness	Hot and cold supply hardness must be < 200ppm.	<input type="checkbox"/>
Cold Supply Water Connection	Cold supply line must have one available 0.75" male National Pipe Thread (NPT).	<input type="checkbox"/>
Cold Supply Water Temp	Cold supply at system inlet: 15-30 °C (59-86 °F)	<input type="checkbox"/>
Hot Supply Water Connection	Hot supply line must have one available 0.75" male National Pipe Thread (NPT).	<input type="checkbox"/>

Hot Supply Water Temp	Hot supply at system inlet: 50-75 °C (122-167 °F)	<input type="checkbox"/>
Pre-Heater Information	<p>If necessary to use a pre-heater to meet water temperature requirements, this information can help you determine the required pre-heater size:</p> <p>Cleaning Cycle Durations (by cycle type):</p> <ul style="list-style-type: none"> • 8 mm Instrument Cycle: 40 minutes • 5 mm/Mixed Cycle: 45 minutes • Accessory Cycle: 30 minutes <p>Volume of water used per cycle (for all cycle types):</p> <ul style="list-style-type: none"> • Volume of water (hot and cold): ~22-26 gallons. • Volume of hot water: ~9-13 gallons. 	<input type="checkbox"/>
Position/Location	Hot and cold supply hoses are 9 feet long. Supply lines must be within 9 feet of the rear of the system.	<input type="checkbox"/>

Drain Requirements		Verified
Main Drain and Overflow Drain Hoses	<p>Main drain hose: 1.0" outer diameter, rear system connection 3.0" from floor</p> <p>Overflow drain hose: 2.25" outer diameter, rear system connection 30" from floor</p> <p>During system operation, both hoses must be routed to a site drain as explained below.</p>	<input type="checkbox"/>
Drain Capacity	Minimum site drain capacity: 8 gal per minute	<input type="checkbox"/>
Drain Location	<p>During operation, both drain hose and overflow hose must be routed to a site drain. We strongly recommend use of a floor drain. Under certain fault conditions the system drains by gravity. Therefore, the site drain connection must be lower than the drain connections on the rear of the <i>SonicPro</i> unit.</p> <p>The site's drain and overflow connections must be located within 7 feet of the rear of the system.</p>	<input type="checkbox"/>
Independent Drain and Overflow Lines	<p>To prevent siphoning of water from the drain line into the system overflow line during operation:</p> <ul style="list-style-type: none"> • If you route the drain and overflow hoses to piping (instead of directly to a floor drain), each hose must be connected to a separate line. Do not connect the drain and overflow hoses to a common pipe. This could create a vacuum in the overflow line that may siphon drain water into the tank during operation. • If using a drain trap, ensure overflow hose outlet is not submerged. Submerging the overflow outlet could create a vacuum in the overflow line that may siphon drain water into the tank during operation. 	<input type="checkbox"/> <input type="checkbox"/>

Space Requirements		Verified
System	<p>Exterior dimensions: 30.7" x 22.2" x 39.2"</p> <p>Carton/Crate: 37" x 31" x 46"</p>	
Installation Hose Routing	Allow 1 foot of space behind the unit for hose routing.	<input type="checkbox"/>

Environmental Conditions		Verified
Indoor Use only	The system can only be used indoors	
Ambient Temperature	Ambient temperature: 5-40 °C (41-104 °F)	<input type="checkbox"/>
Humidity	Maximum relative humidity: 80% for temperatures up to 31 °C (87.8 °F), decreasing linearly to 50% relative humidity at 40 °C (104 °F)	<input type="checkbox"/>
Altitude	The system can only be used at altitudes of 2000 meters or less (6561 feet or less)	<input type="checkbox"/>

Detergent		Verified
Detergent Type	<p>Use only non-foaming, pH-neutral enzymatic cleaner formulated for use in ultrasonic generators. Recommended cleaners include:</p> <ul style="list-style-type: none"> • Dual Enzy-Clean No Suds (VMueller) - No suds enzymatic pre-soak and detergent • Endozime AW Plus No Foam (Ruhof) - Specifically for endoscopic washers and washer disinfectors • 3E Zy me (Medisafe) - effective against proteins fats and carbohydrates. Bactericidal and non-foaming. • Pro EZ AW Quad (Certol) - Non-foaming, pH neutral, concentrated quadruple enzyme automatic washer detergent 	<input type="checkbox"/>

SYSTEM CRATE CONTENTS

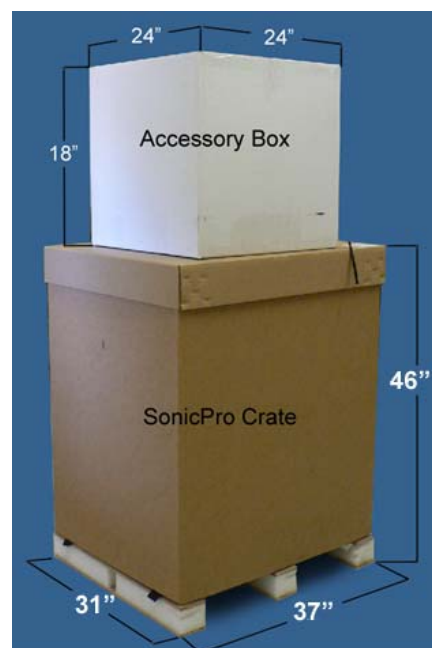
The *da Vinci*® *SonicPro*™ Cleaning System ships in two crates.

SonicPro Crate. Contains:

- 1 x *SonicPro* System
- 1 x Instrument Basket (shipped inside tank)
- 10 x Flush Tubes (shipped inside tank)
- 1 x System Power Cord (shipped inside tank)
- 1 x *SonicPro* User Manual (shipped taped to internal shelf)

Accessory Box. Contains:

- 1 x Accessory Basket
- 1 x Printer with power supply, serial cable, and 1 roll of paper
- Exterior Hoses (refer to diagrams on next page):
 - 2 x 9 foot, 1.0" outer diameter supply inlet hoses (for hot and cold supply)
 - 1 x 9 foot, 1.0" outer diameter drain hose (for system drain line)
 - 1 x 9 foot, 2.25" outer diameter tank overflow hose



System Shipping Crates

SYSTEM EXTERIOR

Measurements are in inches



Front view of *da Vinci*® *SonicPro*™ Cleaning System



Rear view of *da Vinci*® *SonicPro*™ Cleaning System

EXTERIOR HOSES

These exterior hoses are supplied with the system. Measurements are in inches.

