Washer and Disinfector

STEELCO DS 500 SERIES

ABOUT

The **Steelco DS 500 Series** is a line of compact underbench washer disinfectors designed for cleaning and thermal disinfection of surgical and dental instruments. The series includes four models, the DS 500 SC, SCL, CL, and DRS, with capacity for up to 8 DIN trays per load. Each unit features a stainless steel washing chamber, built-in water softener, steam condenser, and triple water filtration system. Depending on the model and loading configuration, injection connections deliver water directly into hollow instruments, with loading options for up to four levels. Available configurations include different display types, wash programs, and drying capabilities to suit different processing needs.



FEATURES

Thermal Disinfection: Adjustable disinfection temperatures up to 93°C (199°F).

Injection Washing: Directs water into hollow instruments through compatible injection connections, with loading carts available for up to four levels.

Triple Water Filtration: Uses a three-stage water filtration system to capture debris and help prevent residue from recirculating.

Model-Dependent Drying: Built-in HEPA 14 filtered forced-air drying with adjustable time and temperature is available on the CL and DRS models.

Cycle Traceability: RS232 connection supports a printer or PC for monitoring and recording wash phases. USB connectivity is available on the SCL, CL, and DRS models.

Steelco DS 500 Series Washer and Disinfector

SPECIFICATIONS

DIMENSIONS

Height: 33.5 in (85 cm), all models

Width: 23.6 in (60 cm) for the DS 500 SC, SCL, and CL; 35.4 in (90 cm) for the DS 500 DRS

Depth: 24.8 in (63 cm), all models

MODELS

DS 500 SC: Stainless steel door, LED display, up to 10 programs, no drying

DS 500 SCL: Stainless steel or full glass door, LCD or soft-touch display, up to 40 programs, no drying

DS 500 CL: Stainless steel or full glass door, LCD or soft-touch display, up to 40 programs, built-in forced-air drying

DS 500 DRS: Wider 900 mm model with a separate washing injection system and powerful hot-air drying, stainless steel or full glass door, LCD or soft-touch display, up to 40 programs

CAPACITY

Load Capacity: Up to 8 DIN 1/1 trays

Chamber Volume: 45.2 gal (171 L)

Basket Volume: 39.9 gal (151 L)

Loading Levels: Up to 4, using upper, lower, or dual injection wash carts

Example Loads: Surgical and dental instruments, and up to 20 pairs of OR shoes or clogs

CONTROLS & CONNECTIVITY

Door: Drop-down door that doubles as a loading platform

Serial Port: RS232, all models

USB Port: SCL, CL, and DRS (not on the SC)

Traceability: Printer connection to monitor and validate wash cycle

DRYING (DS 500 CL AND DRS)

Drying System: HEPA H14 filtered forced-air drying with adjustable time and temperature

Dryer Heater: 1,400 W (CL); 2,000 W (DRS)

Dryer Blower: Up to 5,298 ft^3/h (150 m^3/h)

WASHING & DISINFECTION

Disinfection Temperature: Fully adjustable up to 199°F (93°C)

Temperature Monitoring: Two independent temperature sensors

Injection Connections: Up to 2 connections for flushing hollow instruments, depending on model

Filtration: Triple water filtering system

Steam Condenser: Yes

Chemical Dosing: Two automatic liquid dispensers; a third pump is optional (third and fourth on the DRS)

Water Softener: Built-in water softener available

ELECTRICAL REQUIREMENTS

DS 500 SC: 230 V, 50 Hz standard; 3,050 W

DS 500 SCL: 400 V, 3-phase + neutral, 50 Hz standard; 3,050 W

DS 500 CL: 400 V, 3-phase + neutral, 50 Hz standard; 5,600 W

DS 500 DRS: 400 V, 3-phase + neutral, 50 Hz standard; 5,600 W

Optional Voltages: 208 V, 3-phase + neutral, 60 Hz, or 220 V, 60 Hz

Pump Power: 550 W