

PWD 86 series

instrument washer disinfectors











Driven by customer needs

Steelco is a leading infection control solution provider, supplying the healthcare, laboratory research and pharma sectors. Active in over 100 countries, Steelco has equipped numerous world renown hospitals and counts among its customers household names in the laboratory, pharmaceutical and industrial sectors.



Driven by customer feedback, Steelco develops, manufactures and supplies solutions that maximize infection control safety, optimize processes and minimize costs. Already a leader in innovation in areas such as automation, the integration within Miele organization in late 2017 has provided additional boost in technological development.

CUSTOMIZATION. INNOVATION. EXCELLENCE.



A new holistic approach

for instrument reprocessing





Supporting you every step of the way

Steelco provides technical service and user training courses at the Steelco Academy as well as at customer sites.

Our optional remote diagnostics capabilities and worldwide team of factory trained engineers ensure that you receive the service support you need to cost effectively maximize the uptime of your equipment.



Safety & Performance

coming together



Standard compliant

Steelco PWD 8626 and PWD 8628 washer disinfectors are designed and constructed to comply with the latest guidelines: 93/42/EEC and s.m.i, EN ISO 15883-1/2, CEN ISO/TS 15883-5, EN ISO 14971, IEC EN 61010-1, IEC EN 61010-2-040, EN 61326-1, EN 62304.



The increasing complexity of surgical instruments and the cleaning challenges this creates as well as the desire of customers to reduce manual pre-cleaning, were the driving force behind the research and development of Power Pulse Cleaning.



Proven performance

Power Pulse Cleaning has proven its efficacy with protein analytic results type tested on complex microsurgery instruments without any prior manual pre cleaning treatment.





Efficiency & Sustainability

coming together



The drying system has been designed to provide optimal performance both in terms of saving process time and improve drying quality with two blowers, heating systems and HEPA filters.

HEPA filters are located immediately before the chamber so that potential particles from fan and heater elements are safely filtered out.



Dynamic Water Loading allows the adjustment of the water pressure and flow according to the amount and type of load and the cycle phase (clean, rinse or disinfection). Water loading is very fast and efficient as water inlets and tanks are controlled to ensure the proper temperature of water entering the chamber according to each cycle phase.



A variable speed pump system allows the adjustment of water pressure and flow according to the amount and type of load and the cycle phase (clean, rinse or disinfection).

A second pump is fully dedicated to the chamber washing arms.







Optimized for everyday use

PWD 86 series allows quick access to the high capacity chemical storage drawer with connectivity option to central dosing system

Optimized for service

Designed for easy service and validation

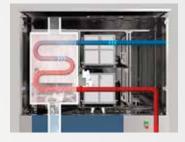


Simply well engineered. The PWD 8626 and PWD 8628 have many advanced features to improve process speed and decrease lifetime running costs.

Steam condenser heat recovery

The ECO steam condenser absorbs heat during the drying phase to preheat final rinse water for the following cycle. Incoming cold demineralized water passing through a heat exchanger assists to save both heating energy and up to 50% of the cooling water per cycle*.

* consumptions data are referred to an average cycle with 18 minutes of drying phase





PWD 86 series can be equipped with different types of built-in water tanks:



Pre Heating Tank

to speed up the process by pre heating the final rinse DI water



Recycling Tank

to recycle the final rinse water to be used in the following washing cycle



Combi Tank

to speed up the process and recycle the final rinse water

The combination of the different tank options allows you to reach the optimal configuration, as **efficiently** and as **fast** as you need (see compatibility chart - page 14)



As fast as you need it!

Cycle time

Reduced cycle time for each load type without compromising cleaning and disinfection results whilst saving energy and water consumption.



Flexibility & Control

coming together

Modules dedicated to instruments of different surgical specialties can be easily inserted into a base wash rack. RFID scanning of the modules selects the optimal cleaning and disinfection cycle from the washer's stored program database, choosing the best program to ensure maximum cleaning and disinfection efficacy whilst reducing cycle time, water usage and energy consumption.



Patented technology exclusively available from Steelco.

Ideal washing performance

Modules dedicated to instruments of different surgical specialties and Power Pulse Cleaning module

Optimized chemical use and reduction of water and energy consumption

Flexible Loading System management is fully integratated with the other advanced functions of the PWD 86 series such as Adaptive Speed Washing and Dynamic Water Loading giving you unmatched efficiency of the washing and disinfection processes.

Space saving concept

A few basic racks and modules will allow you to save space in your busy CSSD and get the perfect combination you need

- 10 basic racks
- 11 modules for injection washing
- over 50 inserts and accessories
- ... Combinations matching your needs



Intelligent cycle selection

Information from the automatic RFID scanning of the composition of the washing rack after the washer door closes is transferred to the washer disinfector control panel and checked in the database of validated configurations to select the optimal cycle.





So much more than just a complete range of configurable loading options with validated solutions for various surgical specialties and robotic surgery instruments.

Easy and intuitive to use with automatic program selection assists you to achieve optimal results whilst helping you save time and energy. Steelco's way to make your busy day just a little bit easier.





Example of configurations for generic instruments or containers based on A500 basic rack



Example of configurations for orthopaedic or anaesthesia sets based on A503 basic rack



Example of configurations for microsurgery sets based on A501 basic rack (also allowing the use of the Power Pulse module)

Attention to detail

Microfiltration on modules

In addition to the advanced sump water filtration that eliminates the recirculation of small debris exceeding 0,2 mm, modules for eye and microsurgery hollow instruments can be equipped with a large surface, tool free removable, fine mesh filter (0,063 mm).





Efficiency & Sustainability

coming together



PWD 86 series combined advantages

The combination of the variable speed with a double pump system, modular load carriers and RFID recognition provides improved cleaning performance, reduced water and energy consumption to an unparalleled level, helping your CSSD to meet its sustainability goals.

Load carriers

Configured to the requirements of different surgical specialties with a different amount and type of modules



*

Power Pulse Cleaning

to reduce the total reprocessing time of complex instruments normally requiring manual pre-treatment

Washing pump speed

maximum speed for intensive cleaning action, low speed for less demanding action, rinse and disinfection





Water loading

adjusted according to the number and complexity of the load carriers and washing pump speed



Energy saving

thanks to load optimized parameters, hot water recycling and steam condenser with heat recovery

Water recycling

with the configuration of the washer with a Recycling tank or a Combi tank for water preheating and recycling

Chemistry saving

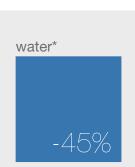
reduced chemistry consumption is also a positive consequence of water saving

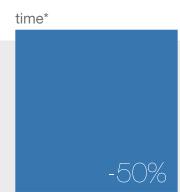
Efficient, fast and eco friendly

PWD 8626 and PWD 8628 are super efficient, fast and eco friendly when properly combining interlinked options.

Ask Steelco how you also could achieve these savings!

* savings are referred to a treatment cycle on a PWD 8628 with pre heating tank, recycling tank and Power Pulse Cleaning on complex microsurgery instruments.







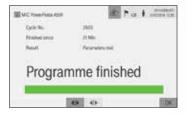
Limitless information & User friendly

coming together

Large HMI with user friendly graphics

7" colour touch displays are integrated in the glass front panel of the washer and installed on both loading and unloading sides.

HMI screens graphics are easy to interpret without compromising the flexibility and capabilities of the machine and process. Process monitoring is intuitive with color coded messages to quickly identify the cycle status.



RFID user recognition

The control system provides up to 8 user levels for daily use, programming or service activities. Users can also identify themselves by RFID cards.

RFID Automatic wash rack and modules recognition

The washing rack composition is automatically scanned and recognized for simple and safe process operation.

Cycle and instrument traceability

Full history cycle traceability, compatible with SteelcoData Pro instrument traceability systems.



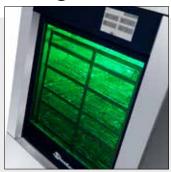
Process monitoring... at a glance

Light in the chamber

Washer/cycle status is also easily shown by the change of color of the chamber light.



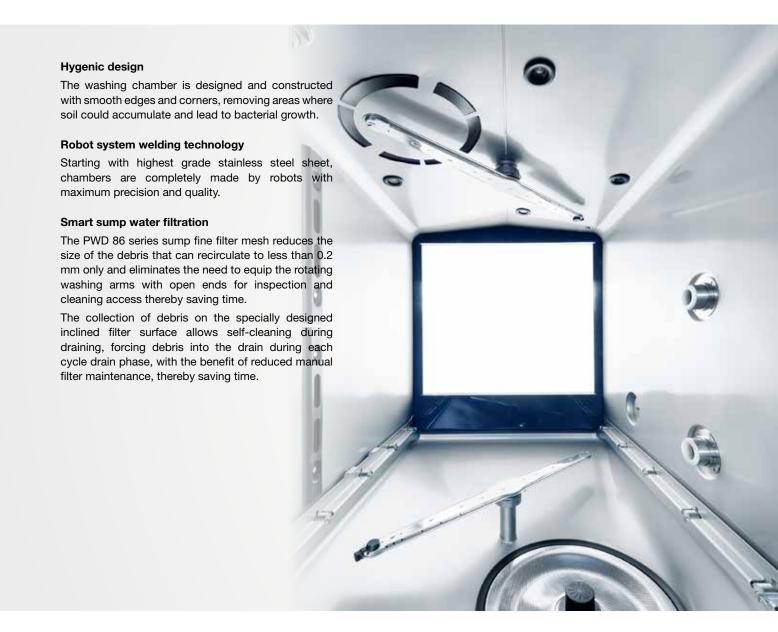






Smart design & Reliability

coming together



Simply better engineered









Customization, Innovation, Excellence

coming together

Whether you are just wishing to replace a single small machine or assistance in designing and equipping a large central CSSD, Steelco's subsidiaries and factory trained distributors are here to help you make the best decision possible that works for you and then support you every step of the way.



Retrocompatibility

PWD 8626 and PWD 8628 are streightforward replacement for old washer disinfectors.

Previous generation Miele PG 8528 washer disinfectors wash racks and transfer trolleys are also compatible with both PWD 8626 and PWD 8628.



Technical data

Model name	PWD 8626	PWD 8628
Washer disinfector		
Double pass through model	•	•
Full glass doors sliding up	•	•
For installation as a single unit or in barrier	•	•
Width [mm]	900	1150
Depth [mm]	990	990
Height [mm]	2500	2500
Observations		
Chamber Material	1.4404/316L	1.4404/316L
Useable chamber width [mm]	650	650
Useable chamber width [mm]	800	800
Useable chamber depth [mm]	675	675
Chamber volume [I]	351	351
Onamber volume [i]	331	331
Load capacity		
Max. number of DIN 1/1 mesh trays	18	18
Max. number of loading levels	6	6
Process		
Flexible Loading System - automatic RFID scanning of wash cart and modules	•	•
Power Pulse Cleaning	0	0
Dynamic Water Loading	•	•
Adaptive pump pressure	•	•
Steam condenser	0	0
Steam condenser heat recovery	0	0
- · · · · · · · · · · · · · · · · · · ·		
Heating system		
Electrical heating system	•	•
Electrical/steam heating system	0	0
Advanced ECO options		
TH - Heated tank / Pre-heating tank	-	0
RT - Recycling tank	-	0
CT - Combi tank	0	-
Chemical dosing Chemical dosing pumps included as standard [No.]	2	2
Chemical dosing pumps available as option [No.]	4	4
Chemical canisters capacity [No. x I]	4x5 or	
onomical carnotors capacity [146. X1]	2x5 + 1x10	4x10
Process monitoring Spray arm rotation monitoring	•	•
Conductivity sensor	•	•
Conductivity School		
Drying and ventilation		
Electrically heated forced air drying - HEPA H14 filtered	0	0
Steam condenser	0	0
Steam condenser with heat recovery	0	0



Technical data

Model name	PWD 8626	PWD 8628
A		
Control system and traceability		
Touch screen graphic LCD display on loading and unloading side	7"	7"
Integrated printer	0	0
Ethernet port for network communication	•	•
3 color chamber light according to machine status	•	•
Service access		
Front access for service, no maintenance corridor	•	•
Loading accessories/automations		
Load transfer trolley	0	0
Loading/unloading automation	0	0



Loading solutions

A full range of transfer trolleys, infeed and outfeed conveyors and rack return hatches or windows is available to be combined and match your perfect workflow layout.



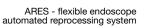


Service

Wherever you are located, a factory trained and experienced service team ensures efficient installation, commissioning, technical support.









Flusher disinfectors

Steam sterilizing autoclaves



Washer disinfectors for central of sterilization departments

Laboratory glassware washer disinfectors



Washing and sterilizing systems for lifescience and pharmaceutical applications

Headquarters

STEELCO S.p.A.

Via Balegante, 27 - 31039 Riese Pio X (TV) - ITALY Ph. +39 0423 7561 - Fax +39 0423 755528 info@steelcogroup.com www.steelcogroup.com

Branches

STEELCO ASIA

Puchong, Malaysia steelco-asia@steelcogroup.com

STEELCO BELGIUM

Mollem, Belgium info-belgium@steelcogroup.com

STEELCO BENELUX

Vianen, Netherlands steelco-benelux@steelcogroup.com

STEELCO FRANCE

Paris, France steelco-france@steelcogroup.com

STEELCO GERMANY (DACH Area)

Gütersloh, Germany steelco-de@steelcogroup.com

STEELCO HUNGARY

Budapest, Hungary steelco-hungary@steelcogroup.com

STEELCO MEXICO

CDMX, Mexico steelco-mexico@steelcogroup.com

STEELCO NORDIC

Kgs. Lyngby, Denmark info-nordic@steelcogroup.com

STEELCO NORGE

Nesbru, Norway steelco-norge@steelcogroup.com

STEELCO SPAIN

Madrid, Spain steelco-spain@steelcogroup.com

STEELCO USA

West Palm Beach, USA steelco-usa@steelcogroup.com

