Your Health, our Technology

AWD655

Instruments Washer Disinfector

AT-OS
DISINFECTION TECHNOLOGY

AWD655
AT-OS instruments washer disinfector

AT-OS instruments washer disinfectors have been developed to meet hygiene standards:
ISO Standard EN-ISO 15883-1/2.
As a result of using the highest technologies, the AWD655 are developed to offer different models, suitable for the huge variety of instruments found in hospital departments, dental clinics, surgical and central sterilization rooms, satisfying all kinds of medical requests.
The large choice of washing baskets allows the washing, disinfection and drying of the most sophisticated instruments, such as the tubular ones.

Fully automatic, programmable and Microprocessor controlled:

- 20 standard programs + 20 available for customization. The number of programs can be customized changing different parameters.
- The user can select a specific program according to his needs.
- The machine has an automatic control system of the spray arms, which stops the cycle in case of anomalies.
- The continuous monitoring of water pressure and of every washing parameter ensures the validation of every cycle.

Automatic washing insert recognition:

The machine recognizes which trolley was inserted and starts the corresponding program, eliminating the possibility of an error by the user.

Touch panel with color graphic display:

- The unit is available as a single door or a pass-through design.
- Graphic flat screen monitors the parameters of the cycle, all alarms messages and the user manual.
- Pass-through design has flat screen monitors on both sides.

5-LEVELS WASHING TROLLEY

MINI INVASIVE AND TUBULAR SURGERY WASHER TROLLEY

SHOES WASHER SUPPORT STRUCTURE

TROLLEY FOR DENTAL INSTRUMENTS

Detergent Cabinet:

- Dosing pumps complete with flowmeters and sensors.
- Door lock to restrict access to authorized personnel only.
- Removable bottom detergent tray for easy cleaning.
- Tank capacity: 5l .

Hybrid heating system: steam-electric

Optimization of energy consumption using a steam supply to heat water for thermal disinfection up to 95°C. In case of steam failure, electric heating will be activated.

Drying with HEPA lter H14:

All instruments are perfectly dried inside and outside at the end of the cycle. Drying time and temperature are also adjustable from the front control panel.

Condenser ESS (Energy Saving System):

- Built-in condenser to eliminate the exceeding steam coming out from the washing chamber, with a drain for any excess of water that may form.
- ECS system uses the heat of the condenser to ease air warming during the drying phase, and water warming during its loading. Energy saving is thus guaranteed.

Speed Cycle Concept

- Additional tanks allow the pre-heating of water to speed up the washing steps
- The total time of the cycle is reduced up to 50%
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2-LEVELS TROLLEY FOR BABY BOTTLES

ANESTHESIA TROLLEY

TROLLEY FOR CONTAINER WASHING

TROLLEY FOR LABORATORY GLASSWARE WASHING

AWD655-2 TABLE-TOP AND UNDERCOUNTER

~65 Lt.

Manual glass door table-top and undercounter machine for dental clinics and ward department.
Large variety of baskets to wash and disinfect all kinds of surgical instruments, handpieces and accessories.

AWD655-2

- Dimension (WxDxH mm) 595x540x600

AWD655-2H

- Dimension (WxDxH mm) 595x540x818

STANDARD BASKET

BASKET FOR 8 HANDPIECES

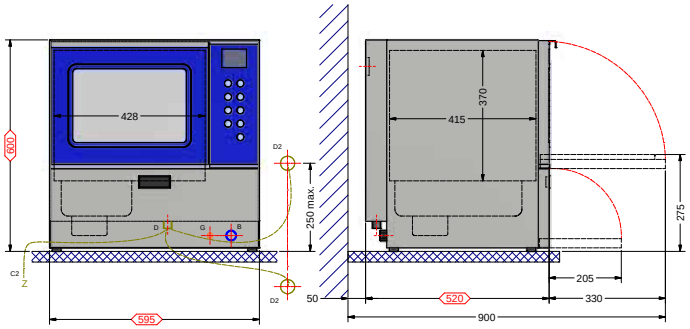
INSERT FOR VERTICAL INSTRUMENTS

INSERT FOR TRAYS

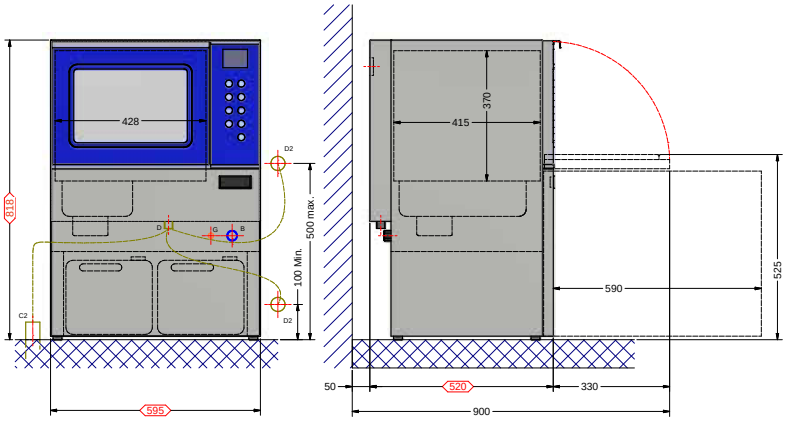
TECHNICAL FEATURES

• standard | + optional | / not available

TECHNICAL FEATURES	AWD655-2	AWD655-2H
External Lab. Certificate for validation of Type Test according to Norms EN ISO 15883-1/2	•	•
DVGW Certificate plumbing system, designed to isolate the potable water pipeline system (water gap) as prescribed by European Standard EN 1717	•	•
Manual door with interlock	•	•
Wash chamber made of high quality stainless steel, AISI 316L	•	•
Chamber wash pump flow rate	100 L/mn	100 L/mn
Drying fan flow rate with HEPA filter H14	40 m³/h	40 m³/h
Absorbed power	2,9 kW	2,9 kW
USB SLAVE interface for PC	1	1
USB HOST interface for FLASH DRIVE	1	1
RS232 Interface for external cycles documentation	1	1
Parallel Interface for printer	1	1
Touch panel with color graphic display	1	1
Dosing pumps for detergents (standard/optional) max 3 with flowmeters and sensors	1/2	1/2/3
Conductivity measurement	+	+
Chamber LED light	+	+
Demi connection	+	+
Detergent tank	0,6 L	5 L



AWD655-2



AWD655-2H

A	HOT WATER CONNECTION-3/4"G (TUBE 1/2"G)	D2	DRAIN DN 40 - HOSE CONNECTION 25mm (AT WALL)	C2	DRAIN DN 40 - HOSE CONNECTION 25mm (AT WALL)
B	COLD WATER CONNECTION-3/4"G (TUBE 1/2"G)	G	ELECTRICAL CONNECTION		

AWD655-8 UNDERCOUNTER

8 - DIN BASKET CAPACITY ~165 Lt.

Manual glass door undercounter machine for clinics and ward department with 4 washing levels and connection to wash and disinfect tubular instruments, too.
Large variety of baskets to wash and disinfect all kinds of surgical instruments,including dental instruments and handpieces.

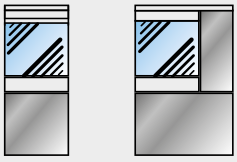
SPEED CYCLE

- Dimension (WxDxH mm) 600x650x860

- Dimension (WxDxH mm) 900x650x860

DENTAL INSTRUMENTS INSERT

BABY BOTTLES INSERT



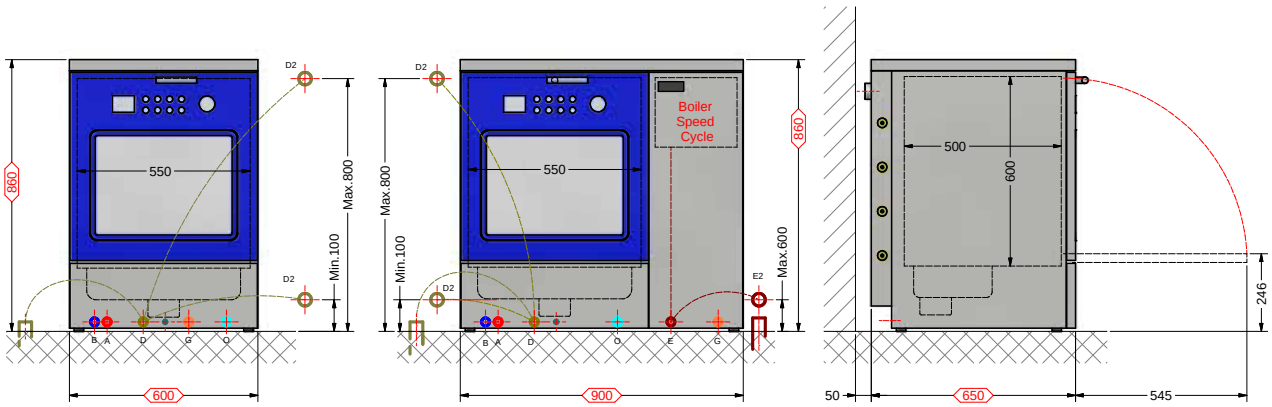
Stainless steel stand on request

- Dimension (WxDxH mm) 600x650x600 (total H 1460)
- Dimension (WxDxH mm) 900x650x600 (total H 1460)

TECHNICAL FEATURES

• standard | ⊕ optional | / not available

TECHNICAL FEATURES	AWD655-8	AWD655-8L-SC
External Lab. Certificate for validation of Type Test according to Norms EN ISO 15883-1/2	•	•
DVGW Certificate plumbing system, designed to isolate the potable water pipeline system (water gap) as prescribed by European Standard EN 1717	•	•
Manual door with interlock	•	•
Wash chamber made of high quality stainless steel, AISI 316L	•	•
Chamber wash pump flow rate	400 L/mn	400 L/mn
Drying fan flow rate with HEPA filter H14	150 m³/h	150 m³/h
Absorbed power	6 kW	7,9 kW
USB SLAVE interface for PC	2	2
USB HOST interface for FLASH DRIVE	2	2
RS232 Interface for external cycles documentation	2	2
Parallel Interface for printer	1	1
Touch panel with color graphic display	1	1
Dosing pumps for detergents (standard/optional) max 4 with flowmeters and sensors	2/4	2/4
Conductivity measurement	⊕	⊕
Boiler Demi	/	⊕
Chamber LED light	⊕	⊕
Washing trolley recognition	⊕	⊕
Spray arm monitoring	⊕	⊕



AWD655-8 AWD655-8L-SC

A	HOT WATER CONNECTION-3/4"G (TUBE 1/2"G)	D2	DRAIN DN 40 - HOSE CONNECTION 25mm (AT WALL)	O	DEMINERALIZED WATER CONNECTION-1/2"G
B	COLD WATER CONNECTION-3/4"G (TUBE 1/2"G)	G	ELECTRICAL CONNECTION	E2	DRAIN DN 40 - HOSE CONNECTION 25mm (AT WALL)

AWD655-10 HINGED DOOR

12 - DIN BASKET CAPACITY ~265 Lt.

Manual door models for surgical departments and small sterilization departments with 5 washing levels and connection to wash and disinfect tubular instruments.
Large variety of baskets to wash and disinfect all kinds of surgical instruments, including dental instruments and handpieces.

SPEED CYCLE

▸ Dimension (WxDxH mm) 650x700x1850

▸ Dimension (WxDxH mm) 650x700x2200

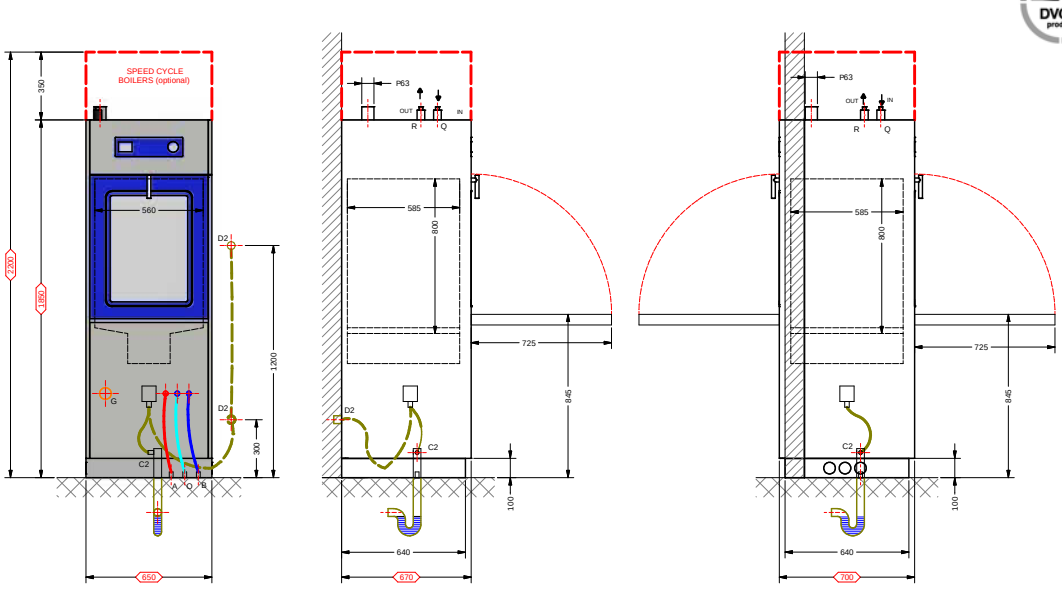
DENTAL INSTRUMENTS INSERT

BABY BOTTLES INSERT

TECHNICAL FEATURES

• standard | + optional | / not available

TECHNICAL FEATURES	AWD655-10	AWD655-10SC
External Lab. Certificate for validation of Type Test according to Norms EN ISO 15883-1/2	•	•
DVGW Certificate plumbing system, designed to isolate the potable water pipeline system (water gap) as prescribed by European Standard EN 1717	•	•
Double doors pass-through model with door interlock	•	•
Wash chamber made of high quality stainless steel, AISI 316 L	•	•
Wash pump flow rate	626 L/min	626 L/min
Drying fan flow rate with HEPA filter H14	150 m³/h	150 m³/h
Absorbed Power	11,4 kW	13,6 kW
USB SLAVE Interface for PC	2	2
USB HOST interface for FLASH DRIVE	2	2
RS232 Interface for external cycles documentation	2	2
Parallel interface for printer	2	2
Touch panel with color graphic display	2	2
Dosing pumps for detergents (standard/optional) max4 with flowmeters and sensors	2/2	2/2
Boiler Demi	/	•
Boiler Hot	/	+
Drain pump	+	+
Conductivity measurement	+	+
Chamber LED light	+	+
Washing trolley recognition	+	+
Spray arm monitoring	+	+



AWD655-10 AWD655-10D

A	HOT WATER CONNECTION-3/4"G (TUBE 1/2"G)	D2	DRAIN DN 40 - HOSE CONNECTION 25mm (AT WALL)	Q	STEAM CONNECTION 1/2G (INLET)
B	COLD WATER CONNECTION-3/4"G (TUBE 1/2"G)	G	ELECTRICAL CONNECTION	R	STEAM CONNECTION OUTLET 1/2G (OUTLET)
C2	DRAIN DN 40 - HOSE CONNECTION 25mm (AT FLOOR)	O	DEMINERALIZED WATER CONNECTION-1/2"G		

AWD655-10A AUTOMATIC SLIDING DOOR

12 - DIN BASKET CAPACITY ~265 Lt.

Models for surgical departments and small sterilization departments with 5 washing levels for a loading capacity of 12 1/1 DIN. Large variety of baskets to wash and disinfect all kinds of surgical instruments, with connections to wash and disinfect tubular instruments.
Automatic sliding door activated through optical sensor on keyboard. Arranged for automatic loading and unloading system.

▸ Dimension (WxDxH mm) 680x700x1950

SPEED CYCLE

optical sensor

▸ Dimension (WxDxH mm) 680x700x2300

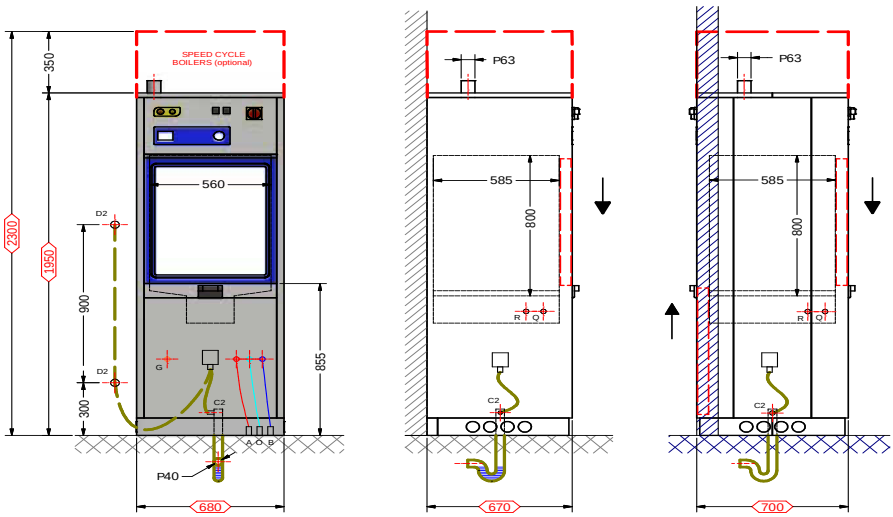
Load capacity (DIN baskets) up to	12
Automatic sliding glass door with light in the chamber: AWD655-10A single door	1
Automatic sliding glass door with light in the chamber: AWD655-10AD pass through	2
Washing levels with spray arms up to	6
Dosing pumps with sensors	4

Detergent cabinet: capacity 5L containers	4
Pre-heating water boilerfor fast cycle	2
USB / Printer for data documentation	•
Drying system with HEPA filter H14	•
Integrated water softener	•
Volumetric control (flow-meters) of chemical additives	•

TECHNICAL FEATURES

• standard | + optional | / not available

TECHNICAL FEATURES	AWD655-10A	AWD655-10A SC
External Lab. Certificate for validation of Type Test according to Norms EN ISO 15883-1/2	•	•
DVGW Certificate plumbing system, designed to isolate the potable water pipeline system (water gap) as prescribed by European Standard EN 1717	•	•
Double doors pass-through model with door interlock	•	•
Wash chamber made of high quality stainless steel, AISI 316 L	•	•
Wash pump flow rate	626 L/min	626 L/min
Drying fan flow rate with HEPA filter H14	150 m³/h	150 m³/h
Absorbed Power	11,4 kW	13,6 kW
USB SLAVE interface for PC	2	2
USB HOST interface for FLASH DRIVE	2	2
RS232 interface for external cycles documentation	2	2
Parallel interface for printer	2	2
Touch panel with color graphic display	2	2
Dosing pumps for detergents (standard/optional) max4 with flowmeters and sensors	2/2	2/2
Boiler Demi	/	•
Boiler Hot	/	+
Drain pump	+	+
Conductivity measurement	+	+
Chamber LED light	+	+
Washing trolley recognition	+	+
Spray arm monitoring	+	+



AWD655-10A AWD655-10AD

A	HOT WATER CONNECTION-3/4"G (TUBE 1/2"G)	D2	DRAIN DN 40 - HOSE CONNECTION 25mm (AT WALL)	Q	STEAM CONNECTION 1/2G (INLET)
B	COLD WATER CONNECTION-3/4"G (TUBE 1/2"G)	G	ELECTRICAL CONNECTION	R	STEAM CONNECTION OUTLET 1/2G (OUTLET)
C2	DRAIN DN 40 - HOSE CONNECTION 25mm (AT FLOOR)	O	DEMINERALIZED WATER CONNECTION-1/2"G		

AWD655-15A AUTOMATIC SLIDING DOOR

18 - DIN BASKET CAPACITY ~430 Lt.

Models for big sterilization departments with 6 washing levels for a loading capacity of 18 1/1 DIN.
Large variety of baskets to wash and disinfect all kinds of surgical instruments, with connections for tubular instruments.
Automatic sliding door arranged for automatic loading and unloading system.

SPEED CYCLE

▸ Dimension (WxDxH mm) 1000x900x1900

▸ Dimension (WxDxH mm) 1000x900x2300

Load capacity (DIN baskets) up to	18
Automatic sliding glass door with light in the chamber: AWD655-15A single door	1
Automatic sliding glass door with light in the chamber: AWD655-15AD pass through	2
Washing levels with spray arms up to	6
Dosing pumps with sensors	5

Detergent cabinet: capacity 5L containers	4
Pre-heating water boilerfor fast cycle	3
USB / Printer for data documentation	•
Drying system with HEPA filter H14	•
Integrated water softener	•
Volumetric control (flow-meters) of chemical additives	•