

Your Health, our Technology



AWD655

Instruments Washer Disinfector



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, 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. 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



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 filter 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%



ANESTHESIA TROLLEY



TROLLEY FOR CONTAINER WASHING



TROLLEY FOR LABORATORY GLASSWARE WASHING

AWD655-8 UNDERCOUNTER

8 - DIN BASKET CAPACITY  ~175 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 as tubular instruments.



► Dimension (WxDxH mm) 600x650x860



► Dimension (WxDxH mm) 900x650x860



Stainless steel stand on request

► Dimension (WxDxH mm) 600x650x600 (total H 1460)

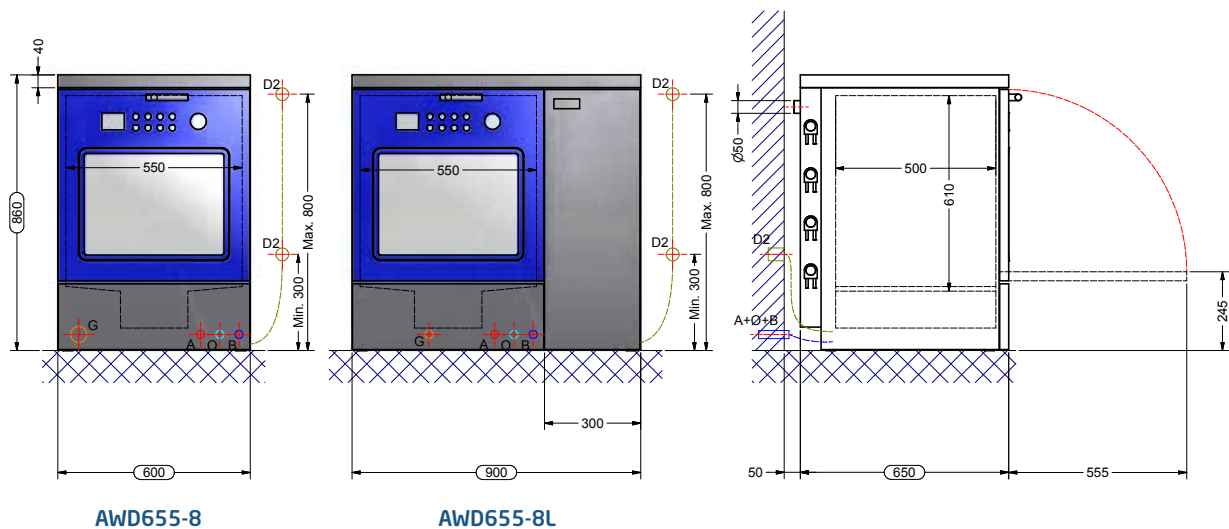
► Dimension (WxDxH mm) 900x650x600 (total H 1460)

Load capacity (DIN baskets)	8	Pre-heating water boiler for fast cycle	1
Glass door with light in the chamber: AWD655-8 single door	1	USB / Printer for data documentation	•
Washing levels with spray arms	4	Drying system with HEPA filter H14	•
Dosing pumps with sensors	4	Integrated water softener	•
Detergent cabinet: capacity 5L containers	4	Volumetric control (flow-meters) of chemical additives	•

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	+	+



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		

AWD655-10 HINGED DOOR

10 - 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 tubular instruments.



► Dimension (WxDxH mm) 650x700x1850



► Dimension (WxDxH mm) 650x700x2200



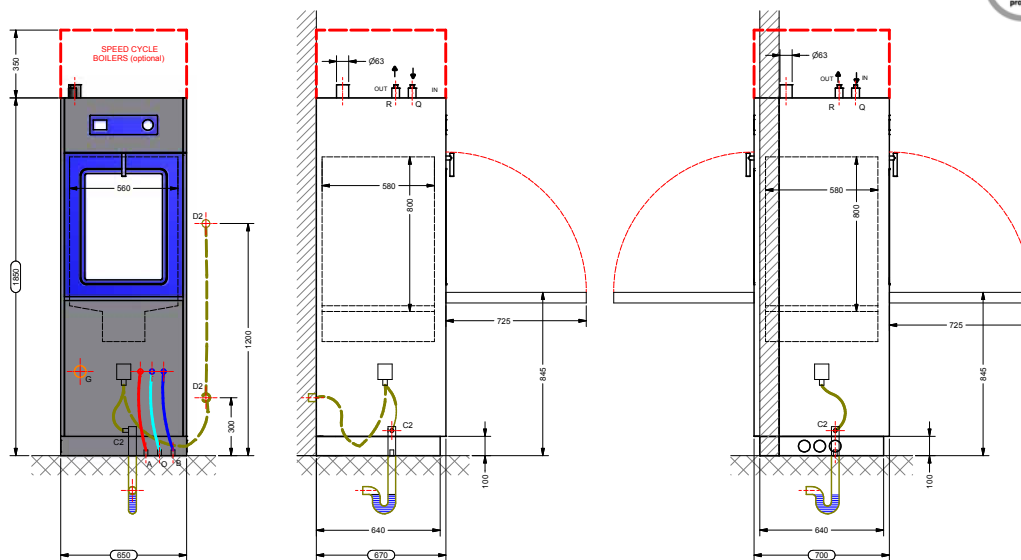
SPEED CYCLE

Load capacity (DIN baskets) up to	12	Detergent cabinet: capacity 5L containers	4
Glass door with light in the chamber: AWD655-10 single door	1	Pre-heating water boiler for fast cycle	1
Glass doors with light in the chamber: AWD655-10D pass through	2	USB / Printer for data documentation	•
Washing levels with spray arms up to	6	Drying system with HEPA filter H14	•
Dosing pumps with sensors	4	Integrated water softener	•
		Volumetric control (flow-meters) of chemical additives	•

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	12 kW	13 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

10 - 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



► Dimension (WxDxH mm) 680x700x2300



SPEED CYCLE



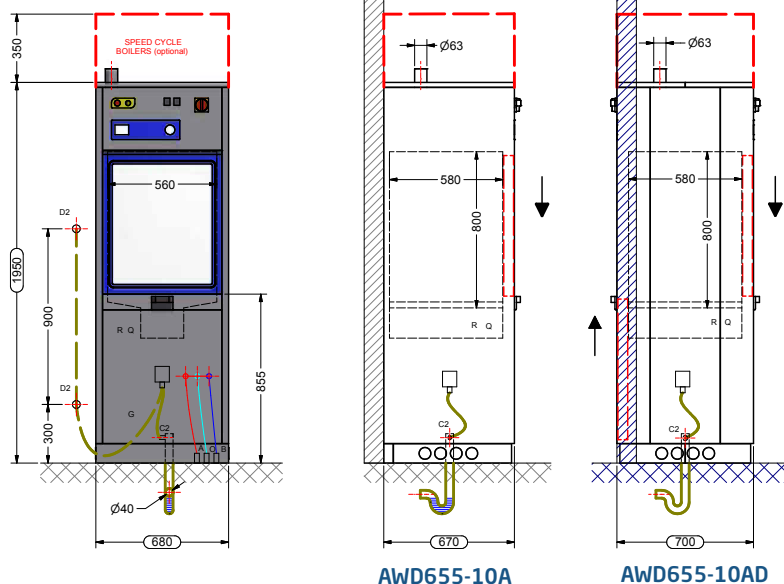
optical sensor

Load capacity (DIN baskets) up to	12	Detergent cabinet: capacity 5L containers	4
Automatic sliding glass door with light in the chamber: AWD655-10A single door	1	Pre-heating water boilerfor fast cycle	2
Automatic sliding glass door with light in the chamber: AWD655-10AD pass through	2	USB / Printer for data documentation	•
Washing levels with spray arms up to	6	Drying system with HEPA filter H14	•
Dosing pumps with sensors	4	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	12 kW	13 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	+	+



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

15 - DIN BASKET CAPACITY ~450 Lt.

Models for big sterilization departments with 5 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 activated through optical sensor on keyboard. Arranged for automatic loading and unloading system.



► Dimension (WxDxH mm) 1000x900x1900



► Dimension (WxDxH mm) 1000x900x2300



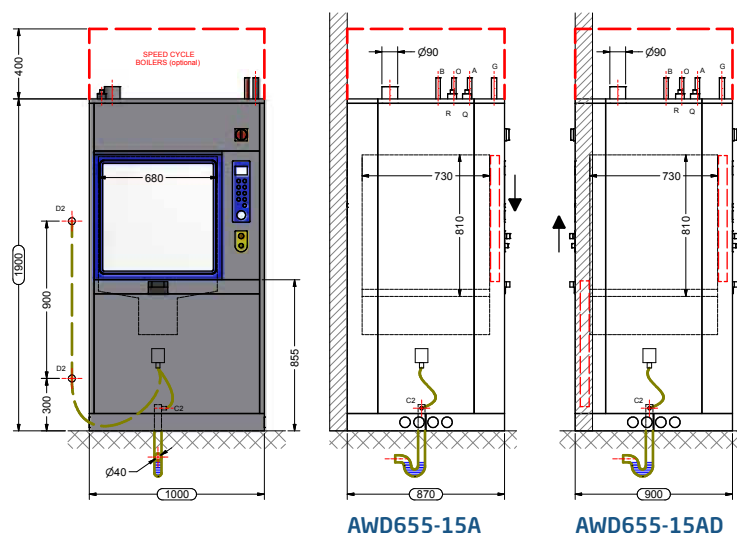
SPEED CYCLE

Load capacity (DIN baskets) up to	18	Detergent cabinet: capacity 5L containers	4
Automatic sliding glass door with light in the chamber: AWD655-15A single door	1	Pre-heating water boiler for fast cycle	3
Automatic sliding glass door with light in the chamber: AWD655-15AD pass through	2	USB / Printer for data documentation	•
Washing levels with spray arms up to	6	Drying system with HEPA filter H14	•
Dosing pumps with sensors	5	Integrated water softener	•
		Volumetric control (flow-meters) of chemical additives	•

TECHNICAL FEATURES

• standard | + optional | / not available

TECHNICAL FEATURES	AWD655-15A	AWD 655-15A 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	•	•
System of double doors pass-through model with door interlock	AWD 655-15AD	•
Wash chamber made of high quality stainless steel, AISI 316L	•	•
Trolley wash pump flow rate	626 L/min	626 L/min
Chamber wash pump flow rate	400 l/mn	400 l/mn
Drying fan flow rate with HEPA filter H14	300 m³/h	300 m³/h
Absorbed power	20 kW	21 kW
USB SLAVE interface for PC	3	3
USB HOST interface for FLASH DRIVE	3	3
RS232 interface for external cycles documentation	3	3
Parallel interface for printer	2	2
Touch panel with color graphic display	2	2
Dosing pumps for detergents (standard/optional) max5 with flowmeters and sensors	2/5	2/5
Boiler Demi	/	•
Drain pump	+	+
Conductivity measurement	+	+
Chamber LED light	+	+
Washing trolley recognition	+	+
Spray arm monitoring	+	+
Boiler Hot	/	+
Cold water tank	/	+



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



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