

sharing the same goal.



## AWD 655

Instrument Washer Disinfector



# AWD 655 AT-OS instruments washer disinfector

The AT-OS instrument washer disinfector has been developed to meet the high hygiene standards: ISO Standard EN-ISO 15883-1/2.

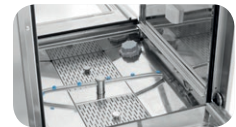
Thanks to the highest technologies, the AWD655 are developed to satisfy all kinds of requests of medical field and offer different models suitable for the several instruments found in hospital departments, clinics, surgical and central sterilization rooms.

The large choice of washing baskets permits the washing, disinfection and drying of the most sophisticated instruments, such as the tubular ones.



## Advanced washing concept:

- The user can select a specific program following 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 the water pressure and of all washing parameters insures the real validation of the cycle.



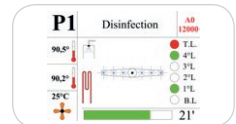
## Automatic washing insert recognition:

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



## Double Display for process control:

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



5-LEVELS WASHING TROLLEY



MINI INVASIVE AND TUBULAR SURGERY WASHING TROLLEY



SHOES WASHING SUPPORT STRUCTURE



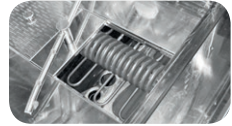
### Detergent Cabinet:

- Door lock to restrict access to authorized personal only.
- Removable bottom detergent tray for easy cleaning.
- Capacity 5L containers.



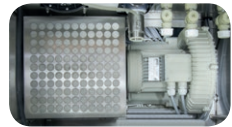
### Hybrid heating system: steam-electric

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



### Drying with HEPA filter H14:

- All instrument are perfectly dried in and out 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
- ESS System using the heat of the condenser in order to simplify the air warming during the drying and the water warming during the loading. This guarantees an energy saving.

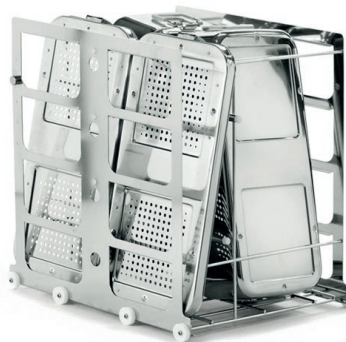


### Speed Cycle Concept

- Additional tanks allow the Pre-heating of the water to speed the washing steps
- The total time of the cycle is reduced by up to 50%



ANESTHESIA TROLLEY



TROLLEY FOR CONTAINER WASHING



TROLLEY FOR LABORATORY GLASSWARE WASHING

# AWD 655-8 UNDERCOUNTER

8 - DIN BASKET CAPACITY  ~175 Lt.

Manual glass door undercounter machine for clinics and ward department with 4 washing levels and connection for washing and disinfecting tubular instruments.

Large variety of baskets to wash and disinfect all kinds of surgical instruments, such as tubular instruments.



**SPEED CYCLE**



▶ Dimension (WxDxH mm) 600x645x860

▶ Dimension (WxDxH mm) 900x645x860



## Stainless steel stand on request

▶ Dimension (WxDxH mm) 600x645x600 (total H 1460)

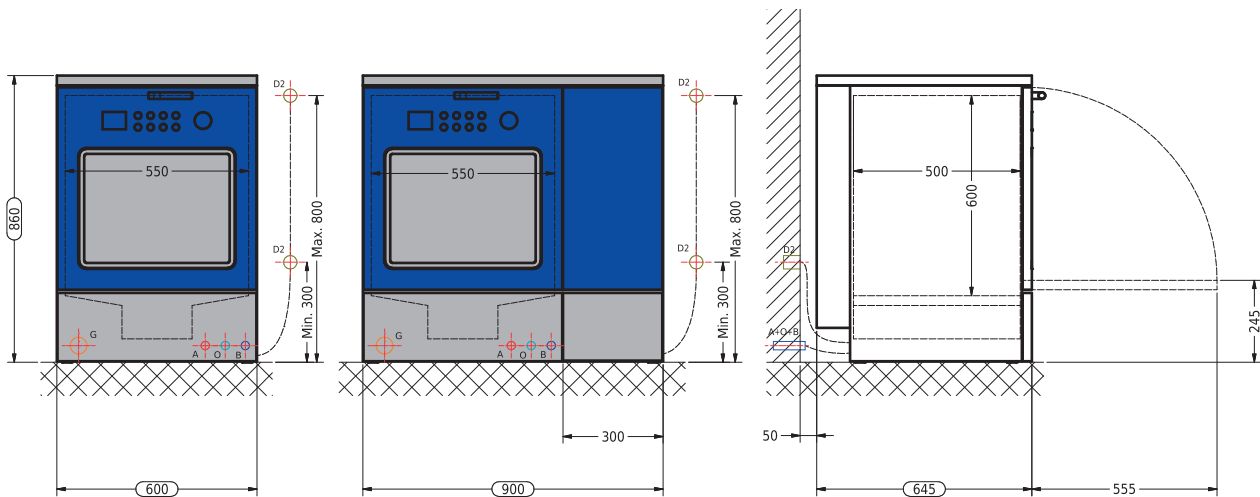
▶ Dimension (WxDxH mm) 900x645x600 (total H 1460)

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	4	Integrated water softener	•
Detergent cabinet: capacity 5L containers	4	Volumetric control (flow-meters) of chemical additives	•

# TECHNICAL FEATURES

TECHNICAL FEATURES	AWD 655-8	AWD 655-8L-SC
Exterior 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 EN1717 just like all the plumbing	•	•
Manual door with interlock	•	•
Wash chamber made of high quality stainless steel, AISI 316L	•	•
Chamber wash pump (Power-Capacity)	0,7 kW - 400 l/mn	0,7 kW - 400 l/mn
Drying ventilator capacity with HEPA filter H14	150 m³/h	150 m³/h
Absorbed power	5,5 kW	6,5 kW
Interface USB SLAVE for PC	2	2
Interface USB HOST for PEN DRIVE	2	2
Interface RS232 for external cycles documentation	2	2
Interface parallel for printer	1	1
LCD display	1	1
Dosing units for detergents (standard/optional) max 4	2/4	2/4
Drain pump	+	+
Conductivity measurement	•	•
Chamber LED light	+	+
Washing trolley recognition	+	+
Spray arm monitoring	+	+
Boiler Demi	/	•

• standard | + optional | / not available



AWD 655-8

AWD 655-8L-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		

# AWD 655-10 HINGED DOOR

10 - DIN BASKET CAPACITY  ~265 Lt.

Manual door models for surgical departments and small central sterilization departments with 5 washing levels and connection for washing and disinfecting tubular instruments.  
Large variety of baskets to wash and disinfect all kinds of surgical instruments, such as tubular instruments.



▶ Dimension (WxDxH mm) 650x700x1850



▶ Dimension (WxDxH mm) 650x700x2200



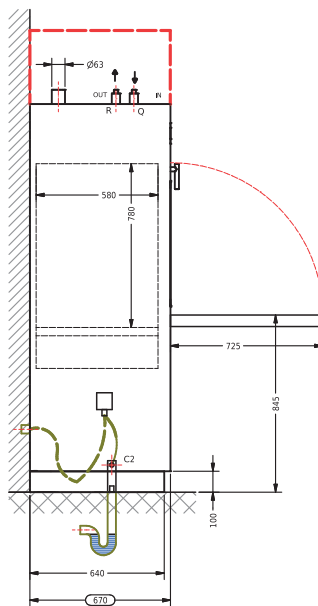
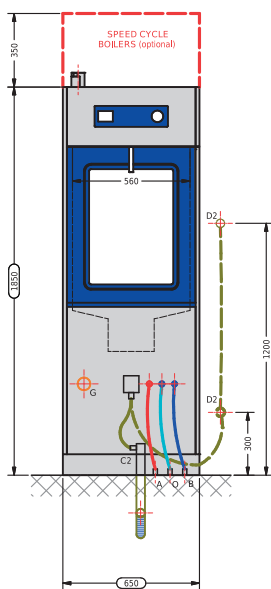
**SPEED CYCLE**

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

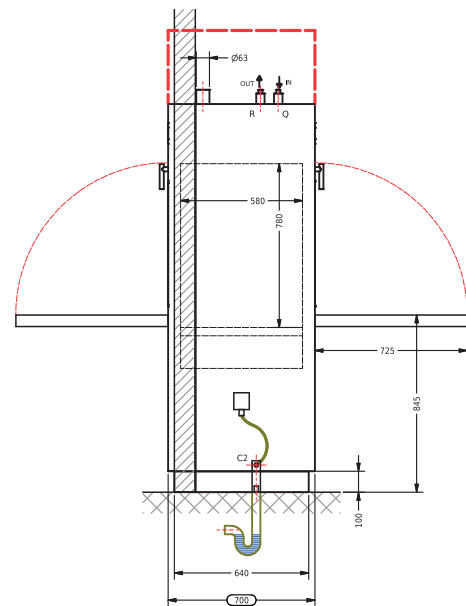
# TECHNICAL FEATURES

TECHNICAL FEATURES	AWD 655-10	AWD 655-10SC
Exterior 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 EN1717 just like all the plumbing	•	•
Double door pass-through model with door interlock	•	•
Wash chamber made of high quality stainless steel, AISI 316 L	•	•
Wash pump characteristic (Power - Capacity)	0.8 kW - 626L/min	0.8 kW - 626L/min
Drying ventilator capacity with HEPA filter H14	150 m³/h	150 m³/h
Absorbed Power	12 kW	13 kW
Interface USB SLAVE for PC	2	2
Interface USB HOST for PEN DRIVE	2	2
Interface RS232 for external cycles documentation	2	2
Interface parallel for printer	2	2
LCD display	2	2
Dosing units for detergents (standard/optional) max4	2/2	2/2
Drain pump	+	+
Conductivity measurement	+	+
Chamber LED light	+	+
Washing trolley recognition	+	+
Spray arm monitoring	+	+
Boiler Demi	/	•
Boiler Hot	/	+

• standard | + optional | / not available



**AWD 655-10**



**AWD 655-10D**

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	DEMINEALIZED WATER CONNECTION-1/2"G		

# AWD 655-10A AUTOMATIC SLIDING DOOR

10 - DIN BASKET CAPACITY  ~265 Lt.

Models for surgical departments and small central sterilization departments with 5 washing levels for a loading capacity of 10 trays 1/1 DIN. Large variety of baskets to wash and disinfect all kinds of surgical instruments, with connections for washing tubular instruments.

Automatic sliding door activated through optical sensor on keyboard. Arranged with automatic loading and unloading system.



► Dimension (WxDxH mm) 680x700x1900



► Dimension (WxDxH mm) 680x700x2250



**SPEED CYCLE**



optical sensor

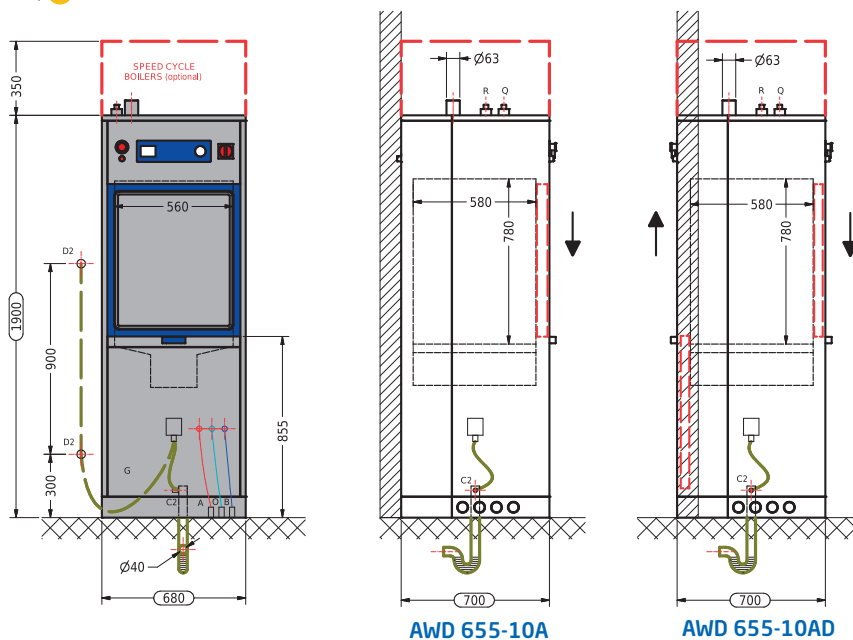
Load capacity (DIN baskets)	10	Detergent cabinet: capacity 5L containers	4
Automatic sliding glass door with light in the chamber: <b>AWD655-10A</b> single door	1	Pre-heating water boiler for fast cycle	2
Automatic sliding glass door with light in the chamber: <b>AWD655D-10AD</b> pass through	2	USB / Printer for data documentation	•
Washing levels with spray arms	5	Drying system with HEPA filter H14	•
Dosing pumps	4	Integrated water softener	•
		Volumetric control (flow-meters) of chemical additives	•



# TECHNICAL FEATURES

TECHNICAL FEATURES	AWD 655-10A	AWD 655-10A SC
Exterior 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 EN1717 just like all the plumbing	•	•
Double door pass-through model with door interlock	•	•
Wash chamber made of high quality stainless steel, AISI 316 L	•	•
Wash pump characteristic (Power - Capacity)	0.8 kW - 626L/min	0.8 kW - 626L/min
Drying ventilator capacity with HEPA filter H14	150 m³/h	150 m³/h
Absorbed Power	12 kW	13 kW
Interface USB SLAVE for PC	2	2
Interface USB HOST for PEN DRIVE	2	2
Interface RS232 for external cycles documentation	2	2
Interface parallel for printer	2	2
LCD display	2	2
Dosing units for detergents (standard/optional) max4	2/2	2/2
Drain pump	+	+
Conductivity measurement	+	+
Chamber LED light	+	+
Washing trolley recognition	+	+
Spray arm monitoring	+	+
Boiler Demi	/	•
Boiler Hot	/	+

• standard | + optional | / not available



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		

# AWD 655-15A AUTOMATIC SLIDING DOOR

15 - DIN BASKET CAPACITY  ~450 Lt.

Models for big central sterilization departments with 5 washing levels for a loading capacity of 15 trays 1/1 DIN. Large variety of baskets to wash and disinfect all kinds of surgical instruments, with connections for washing tubular instruments.

Automatic sliding door activated through optical sensor on keyboard. Arranged with automatic loading and unloading system.



► Dimension (WxDxH mm) 1000x900x1900



► Dimension (WxDxH mm) 1000x900x2300



**SPEED CYCLE**



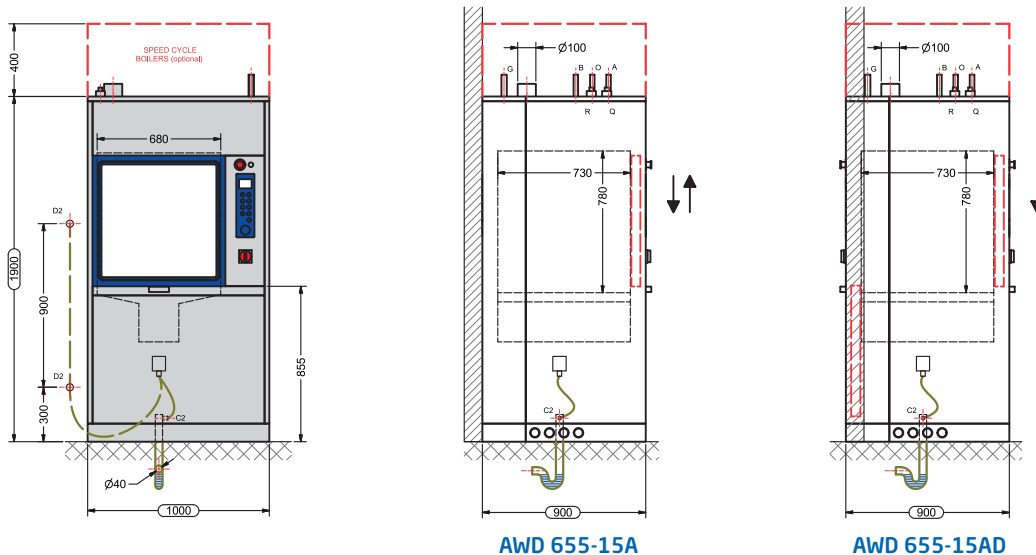
optical sensor

Load capacity (DIN baskets)	15	Detergent cabinet: capacity 5L containers	4
Automatic sliding glass door with light in the chamber: <b>AWD655-15A</b> single door	1	Pre-heating water boiler for fast cycle	3
Automatic sliding glass door with light in the chamber: <b>AWD655D-15AD</b> pass through	2	USB / Printer for data documentation	•
Washing levels with spray arms	5	Drying system with HEPA filter H14	•
Dosing pumps	5	Integrated water softener	•
		Volumetric control (flow-meters) of chemical additives	•

# TECHNICAL FEATURES

TECHNICAL FEATURES	AWD 655-15A	AWD 655-15A SC
Exterior 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 EN1717 just like all the plumbing	•	•
Double door pass-through model with door interlock	•	•
Wash chamber made of high quality stainless steel, AISI 316L	•	•
Trolley wash pump (Power-Capacity)	0,8 kW - 626L/min	0,8 kW - 626L/min
Chamber wash pump (Power-Capacity)	0,7 kW - 400 l/mn	0,7 kW - 400 l/mn
Drying ventilator capacity with HEPA filter H14	300 m³/h	300 m³/h
Absorbed power	20 kW	21 kW
Interface USB SLAVE for PC	3	3
Interface USB HOST for PEN DRIVE	3	3
Interface RS232 for external cycles documentation	3	3
Interface parallel for printer	2	2
LCD display	2	2
Dosing units for detergents (standard/optional) max5	3/5	3/5
Drain pump	+	+
Conductivity measurement	+	+
Chamber LED light	+	+
Washing trolley recognition	+	+
Spray arm monitoring	+	+
Boiler Demi	/	•
Boiler Hot	/	+
Cold water tank	/	+

• standard | + optional | / not available



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		



CENTRAL STERILIZATION  
DEPARTMENT

SLOP SINK ROOM

SERVICE

**AT-OS**  
DISINFECTION TECHNOLOGY

SURGERY ROOM

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