LABORATORY

AT-OS
DISINFECTION TECHNOLOGY

Your Health, our Technology

AWD655

Glassware Washer

www.at-os.com

Plumbing system designed to isolate the potable water pipeline system (air gap) as prescribed by European Standard EN 1717

The perfect line to effectively wash different types of glassware and other materials commonly used in laboratories

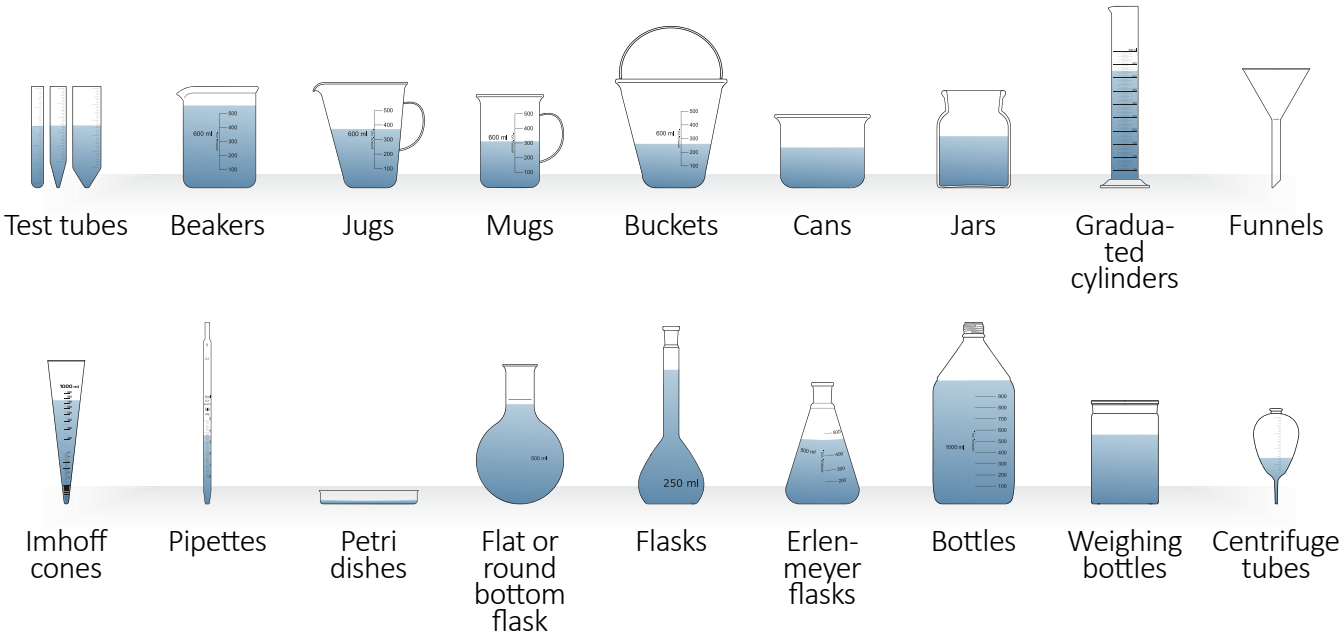
In specialized laboratories quality and speed of the washing process are of utmost importance: AWD655 glassware washers offer reliability, operator safety and the highest levels of hygiene and cleanliness.

To guarantee always perfect washes and ensure the best quality of the result, AT-OS offers a line of state-of-the-art glassware washers with pre-set and specific programs for each type of glassware and the possibility of ad hoc customized programs to meet every type of need. The washing programs are the result of years of study and experience in the laboratory sector to obtain repeatable and validable results.

Each function is adjusted via an user-friendly color graphic display, in order to facilitate the use of the machine by the user. Thanks to the latest generation electronic components, each washing cycle parameter is constantly checked and monitored.

High standards of hygiene with high reliability, in compliance with the standards in force.

Machines designed for washing:



AWD655 line

AWD655-8X-LAB
Stainless steel door and with drying

AWD655-8XE-LAB
Stainless steel door and without drying

MODEL AVAILABLE
DRYER FOR GLASSWARE

AWD655-8-LAB
Glass door and with drying

AWD655-8E-LAB
Glass door and without drying

AWD655-8XL-LAB
Stainless steel door and with drying

AWD655-8XEL-LAB
Stainless steel door and without drying

AWD655-8L-LAB
Glass door and with drying

AWD655-8EL-LAB
Glass door and without drying

AUTOMATIC DOOR

AWD655-15A-LAB

Glass door and
with drying

AWD655-10-LAB

Glass door and
with drying

AUTOMATIC DOOR

AWD655-10A-LAB

Glass door and
with drying

COMPATIBLE WITH ALL GLASSWARE WASHERS

TRY THE EBOX CONNECTION!

Interface with external systems, view and store all information related to the machine status and end of cycle graphical representation

Contact us for the brochure!

info@at-os.com

Chemical-resistant double glass

The door is made of two layers of tempered glass, resistant to chemicals, even the most aggressive ones. It allows to see inside the wash chamber during operation.

Stainless steel design

The wash chamber is made of stainless steel AISI 316L (EN 1.4404) while the chassis and external panels are made of stainless steel AISI 304 (EN 1.4301). They are shockproof and long-lasting. Scotch Brite surface finish makes cleaning easier.

Ergonomic handle

Thanks to the ergonomic handle, on models equipped with manual door, the door opening and closing functions are made easy without efforts.

Support for an easy access

On request, the AWD655-8-LAB (and variants) can be integrated with a stainless steel support, under the machine, that provide an ergonomic height when the machine is not installed under the counter, making the access to the machine easier for the operator. The support is also useful for storing chemicals.

Door locking and security system

The machines are equipped with an automatic door locking system which ensure a safety door block. For the safety of the operators, the machine does not allow the door to be unlocked during the wash cycle or in the presence of high temperatures. An extra sensor guarantee that, even if in presence of a malfunction of the machine, the water pump will be switched off with the unlock of the door.

Printer

On request, the machines can be equipped with a printer that prints the receipt log of the running program.

Touch-pad keyboard with graphic display

The touch control panel consists of 8 backlit buttons and a 3.5" LCD display. The AWD655-10A and AWD655-15A (and their variants) are equipped with a 7" touch-screen display on the load side. The flat display with colour graphics shows all cycle parameters, alarm messages, temperatures measured by the two temperature probes located in the washing chamber, drying temperatures and the A_0 value. Models with pass-through door are equipped with a second 3.5" monitor on the discharge side (available on on request 7" touch-screen display).

Alarm-check system

This system helps the operator to understand why an alarm has occurred before consulting the user manual. A text appears on the display with the number, the image of the alarm and the text explaining the possible causes of it.

Customizable programs

The machines are supplied with a set of standard programs, variable according to the model, and with the addition of customizable programs, up to a maximum of 40 total programs.

Wash chamber LED light

On request, the machines can be equipped with low energy consumption LED positioned inside the wash chamber. The LED ensures a better visibility during the wash cycle and during loading and unloading of the basket or trolley. The LED may vary in color depending on machine status: white light for stand-by, red light in case of alarm, and green light when the cycle is successfully completed.

Reliable washing

Thanks to a dedicated pressure switch that monitors in real time the water pressure of the washing circuit, all the washing parameters will be always perfect. An alarm message on the display will indicate if there's a pressure lost during the cycle, causing a cycle stop.

Microcontroller

The machines are equipped with a microcontroller that constantly monitors its operation. It's provided with an internal flash memory that allows the machines to store all the information regarding: cycle params, allarms and log history. An internal watchdog monitor the microcontroller and block the device in case of a malfunction.

Water softener system

On request, the machines can be equipped with a system that makes it possible to soften the cold and hot water (depending on the model) entering the wash chamber, so as to reduce the formation of limestone in the hydraulic circuit of the machine. The machine automatically regenerates the resins based on the water hardness set at the time of installation.

Steam condenser system

The machines are equipped with an effective steam condenser system that acts to reduce the steam during the hot and drying phases.

Spray arm monitor

On request, the machines can be equipped with the spray arm monitor system. If the spray arm monitor is enabled, it checks the correct rotation of the spray arm. An alarm message on the display will indicate a problem during the cycle.

Conductivity probe

On request, the machines can be equipped with a conductivity probe that checks the water purity level at the end of rinsing. The machine repeats the rinse cycle again to remove any residue if the conductivity probe detects a water purity level, expressed in µS/cm, higher than the preset one.

(E.T.S.) Empty Total System

On request, AWD655-10-LAB, AWD655-10A-LAB and AWD655-15A-LAB (and variants) can be equipped with the E.T.S. system which, at the end of each cycle, automatically discharges the residual water from the pump, water storage tank and pipes, to ensure complete cleaning inside the machine.

Uniform forced air drying

During the drying phase the forced air, pushed by a blower, is introduced into the washing chamber, passing through an electric heater. The air then comes out of the jets of the spray arms to ensure a warm uniform air distribution. The filter, with an F5 efficiency grade, allows to block the fine dust present in the air. On request it is possible to integrate on machinery a HEPA H14 filter, with an efficiency of the 99.995%.

Models without drying system

AWD655-8E-LAB, AWD655-8XE-LAB, AWD655-8EL-LAB and AWD655-8XEL-LAB are without drying system: at the end of the cycle, the machine automatically opens the door partially, to dry the instruments with a natural air recirculation, saving on consumption. Read the user manual for more info and details.

Filter cleaning sensor

A dedicated vacuum switch monitors the filter clogging. An alarm message on the display will indicate that the filter is clogged.

Coil for facility steam

On request, AWD655-10-LAB, AWD655-10A-LAB and AWD655-15A-LAB (and variants) can be equipped with a coil at the bottom of the chamber which is crossed by the mains steam. This speeds up the times required to heat water. It is also possible to use only the coil, excluding the heating elements.

Hybrid heating system: electric + steam

On request, AWD655-10-LAB, AWD655-10A-LAB and AWD655-15A-LAB (and variants) can be equipped with a hybrid heating system: the water is heated both by the heating elements inside the tank and by the network steam. In this way it is possible to reduce program times and electricity consumption.

Detergent storage compartment

In the AWD655-8L-LAB (and variants), the detergent storage compartment is located in the side panel with a handle to allow access to it. In the AWD655-10-LAB, AWD655-10A-LAB and AWD655-15A-LAB models the tanks are located in a compartment with locked door at the bottom of the machine.

Chemical dosing control

The dosing system for chemical products is controlled by a flowmeter. If the flowmeter doesn't perceive the passage of the liquid, after a few seconds the display will show an alarm that warns the operator of the non-dispensing of the liquid in the wash chamber.

Chemical products level sensor

The machines are equipped with a sensor placed in the suction probe of chemical products, which warn the user if the liquid is running out through a warning that appears on the LCD display.

RS232 port connection

USB port

The two USB ports:

- USB 2 type A for PC USB: allows to connect the machine to a PC for programming;
- USB 2 type B for flash drive: allows to download the history of programs executed and alarms, or for update the firmware and dataset.

Washer RePortal

Software to connect to the machine to manage the user PIN and download, via USB PenDrive, the cycles ran, that are saved on a special database, moreover it is possible to generate the cycle reports in PDF format and export them in CSV format.

User pin management

Manage a secure access to the programs by the users. An user name and password protection level limit the access to the device only to authorized personnel.

Whant to know more about Washer RePortal?

Contact us for the brochure!

info@at-os.com

165 LT

AWD655-8-LAB | AWD655-8X-LAB
AWD655-8E-LAB | AWD655-8XE-LAB

Under the counter

Machines equipped with a manual door made in double tempered glass or stainless steel, for laboratory glassware with 2 independent levels. They are equipped with a system that filter, electrically heat and force, with a powerfull blower, the air in the wash chamber and inside the hollow instruments, to obtain an excellent drying result (not available in the model without drying system). A wide range of racks, nozzles and accessories complete these machines, suitable to wash and dry a wide variety of laboratory glassware.

AWD655-8-LAB Glass door and with drying

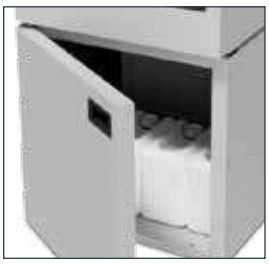
AWD655-8E-LAB Glass door and without drying

Stainless steel and door with drying **AWD655-8X-LAB**

Stainless steel door and without drying **AWD655-8XE-LAB**

Wash chamber with spray arms

Multi filters in the wash chamber



Stainless steel support for chemical tanks

External printer connected by cable

Air filter

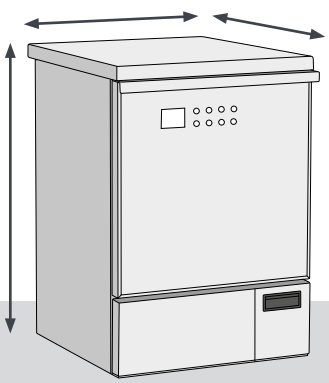
Technical features

	AWD655-8-LAB	AWD655-8X-LAB	AWD655-8E-LAB	AWD655-8XE-LAB
Model code	112502006	112502007	112502012	112502008
Wash chamber dimensions (WxDxH)	550x500x600 mm (21.7"x19.7"x23.6")	550x500x600 mm (21.7"x19.7"x23.6")	550x500x600 mm (21.7"x19.7"x23.6")	550x500x600 mm (21.7"x19.7"x23.6")
Wash chamber volume	165 lt (43.6 US gal)	165 lt (43.6 US gal)	165 lt (43.6 US gal)	165 lt (43.6 US gal)
Wash chamber material	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)
Indicative weight	100 Kg (220 lbs)	100 Kg (220 lbs)	100 Kg (220 lbs)	100 Kg (220 lbs)
Max pump flow rate	370 l/min (97.8 GPM)	370 l/min (97.8 GPM)	370 l/min (97.8 GPM)	370 l/min (97.8 GPM)
Max drying fan flow rate	150 m³/h	150 m³/h	×	×
Max number of dosing pumps for chemicals with flowmeters	4	4	4	4
Chemical tanks capacity	5 l (1 US gal)	5 l (1 US gal)	5 l (1 US gal)	5 l (1 US gal)
Communication ports	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232
Touch control panel	✓	✓	✓	✓
Manual door with interlock	✓	✓	✓	✓
Main switch ON/OFF	✓	✓	✓	✓
Forced air drying	✓	✓	×	×
HEPA H14 filter	●	●	●	●
Cold water connection	✓	✓	✓	✓
Hot water connection	✓	✓	✓	✓
Deionized water connection	✓	✓	✓	✓
Water softener system	●	●	●	●
Conductivity probe	●	●	●	●
Spray arm monitor	●	●	●	●
Wall drain pump	✓	✓	✓	✓
Wash chamber LED light	●	●	●	●
Printer	●	●	●	●
Standards	IEC, UL, EMC	IEC, UL, EMC	IEC, UL, EMC	IEC, UL, EMC

✓ Standard
● On request
× Not available

External dimensions

AWD655-8-LAB | AWD655-8X-LAB
AWD655-8E-LAB | AWD655-8XE-LAB
WxDxH: 600x650x845 mm
(23.6"x25.6"x33.3")



The reference values are based on standard model.

165 LT

AWD655-8L-LAB | AWD655-8XL-LAB
AWD655-8EL-LAB | AWD655-8XEL-LAB

Under the counter

Machines equipped with a side compartment for inserting the detergent tanks and a manual door made in double tempered glass or stainless steel, for laboratory glassware with 2 independent levels. They are equipped with a system that filter, electrically heat and force, with a powerfull blower, the air in the wash chamber and inside the hollow instruments, to obtain an excellent drying result (not available in the model without drying system). A wide range of racks, nozzles and accessories complete these machines, suitable to wash and dry a wide variety of laboratory glassware.

AWD655-8L-LAB Glass door and with drying

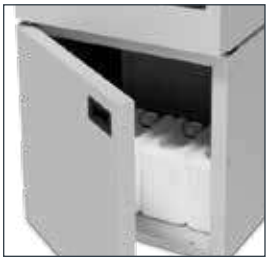
AWD655-8EL-LAB Glass door and without drying

Stainless steel door and with drying **AWD655-8XL-LAB**

Stainless steel door and without drying **AWD655-8XEL-LAB**

Wash chamber with spray arms

Multi filters in the wash chamber



Stainless steel support for chemical tanks

Built-in printer

Air filter

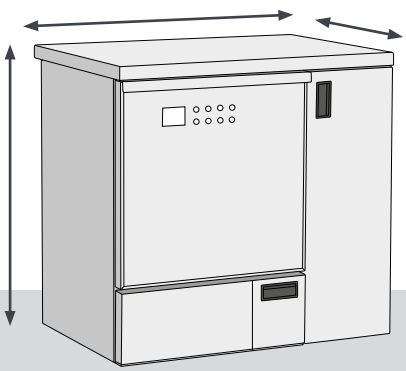
Technical features

	AWD655-8L-LAB	AWD655-8XL-LAB	AWD655-8EL-LAB	AWD655-8XEL-LAB
Model code	112502009	112502014	112502013	112502010
Wash chamber dimensions (WxDxH)	550x500x600 mm (21.7"x19.7"x23.6")	550x500x600 mm (21.7"x19.7"x23.6")	550x500x600 mm (21.7"x19.7"x23.6")	550x500x600 mm (21.7"x19.7"x23.6")
Wash chamber volume	165 lt (43.6 US gal)	165 lt (43.6 US gal)	165 lt (43.6 US gal)	165 lt (43.6 US gal)
Wash chamber material	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)	AISI 316L (EN 1.4404)
Indicative weight	115 Kg (254 lbs)	115 Kg (254 lbs)	115 Kg (254 lbs)	115 Kg (254 lbs)
Max pump flow rate	370 l/min (97.8 GPM)	370 l/min (97.8 GPM)	370 l/min (97.8 GPM)	370 l/min (97.8 GPM)
Max drying fan flow rate	150 m³/h	150 m³/h	×	×
Max number of dosing pumps for chemicals with flowmeters	4	4	4	4
Chemical tanks capacity	5 l (1 US gal)	5 l (1 US gal)	5 l (1 US gal)	5 l (1 US gal)
Communication ports	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232
Touch control panel	✓	✓	✓	✓
Manual door with interlock	✓	✓	✓	✓
Main switch ON/OFF	✓	✓	✓	✓
Forced air drying	✓	✓	×	×
HEPA H14 filter	●	●	●	●
Cold water connection	✓	✓	✓	✓
Hot water connection	✓	✓	✓	✓
Deionized water connection	✓	✓	✓	✓
Water softener system	●	●	●	●
Conductivity probe	●	●	●	●
Spray arm monitor	●	●	●	●
Wall drain pump	✓	✓	✓	✓
Wash chamber LED light	●	●	●	●
Printer	●	●	●	●
Standards	IEC, UL, EMC	IEC, UL, EMC	IEC, UL, EMC	IEC, UL, EMC

✓ Standard
● On request
× Not available

External dimension

AWD655-8L-LAB | AWD655-8XL-LAB
AWD655-8EL-LAB | AWD655-8XEL-LAB
WxDxH: 900x650x845 mm
(35.4"x25.6"x33.3")



The reference values are based on standard model.

DRYER

AWD655-8XR-LAB

Under the counter

Machine equipped with a manual door made in stainless steel, for laboratory glassware with 2 independent levels. It is equipped with a system that filter, electrically heat and force, with a powerfull blower, the air in the wash chamber and inside the hollow instruments, to obtain an excellent drying result. A wide range of racks, nozzles and accessories complete the machine, suitable to dry a wide variety of laboratory glassware.

Perfect to use as the last drying cycle or as an additional drying to ensure perfectly dry glassware in all its parts, both inside and out!

AWD655-8XR-LAB

Dryer with stainless steel door

Drying chamber with spray arms

External printer connected by cable

Air filter

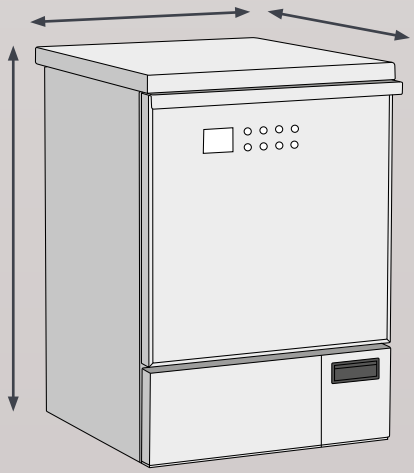
Technical features

	AWD655-8XR-LAB
Model code	112502019
Drying chamber dimensions (WxDxH)	550x500x600 mm (21.7"x19.7"x23.6")
Drying chamber volume	165 lt (43.6 US gal)
Drying chamber material	AISI 316L (EN 1.4404)
Indicative weight	100 Kg (220 lbs)
Max pump flow rate	×
Max drying fan flow rate	150 m³/h
Max number of dosing pumps for chemicals with flowmeters	×
Chemical tanks capacity	×
Communication ports	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232
Touch control panel	✓
Manual door with interlock	✓
Automatic door with interlock	×
Main switch ON/OFF	✓
Forced air drying	✓
HEPA H14 filter	●
Cold water connection	×
Hot water connection	×
Deionized water connection	×
Water softener system	×
Conductivity probe	×
Spray arm monitor	●
Coil for facility steam	×
Hybrid heating system: electric- steam	×
Wall drain pump	✓
(E.T.S.) Empty Total System	×
Drying chamber LED light	●
Automatic washing trolley recognition	×
Printer	●
Standards	IEC, UL, EMC

✓ Standard
● On request
× Not available

External dimensions

AWD655-8XR-LAB
WxDxH: 600x650x845 mm
(23.6"x25.6"x33.3")



The reference values are based on standard model.

255 LT

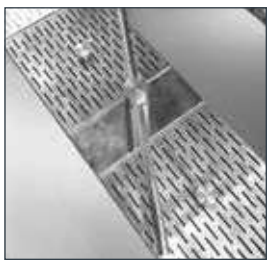
AWD655-10-LAB

Freestanding column

Machine equipped with a manual door made in double tempered glass, for laboratory glassware with 4 independent levels. The upper levels are removable for washing large materials. It is equipped with a system that filter, electrically heat and force, with a powerfull blower, the air in the wash chamber and inside the hollow instruments, to obtain an excellent drying result. To ease the loading and unloading of the trolleys, special manual transport trolleys can be used. A wide range of racks, nozzles and accessories complete the machine, suitable to wash and dry a wide variety of laboratory glassware.

AWD655-10-LAB

Manual glass door
with drying



Wash chamber with spray arms

Touch control panel

Chemical tanks

Built-in printer

Air filter

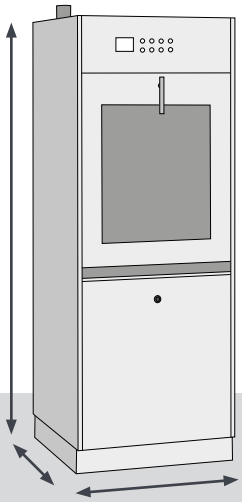
Technical features

	AWD655-10-LAB
Model code	112502024
Wash chamber dimensions (WxDxH)	560x570x800 mm (22"x22.4"x31.5")
Wash chamber volume	255 lt (67.4 US gal)
Wash chamber material	AISI 316L (EN 1.4404)
Indicative weight	240 Kg (529 lbs)
Max pump flow rate	626 l/min (165.3 GPM)
Max drying fan flow rate	150 m³/h
Max number of dosing pumps for chemicals with flowmeters	4
Chemical tanks capacity	5 l (1 US gal)
Communication ports	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232
Touch control panel	✓
Manual door with interlock	✓
Main switch ON/OFF	●
Forced air drying	✓
HEPA H14 filter	●
Cold water connection	✓
Hot water connection	✓
Deionized water connection	✓
Water softener system	●
Conductivity probe	●
Spray arm monitor	●
Coil for facility steam	●
Hybrid heating system: electric- steam	●
Wall drain pump	●
(E.T.S.) Empty Total System	●
Wash chamber LED light	●
Printer	●
Standards	IEC, UL, EMC

✓ Standard
● On request
× Not available

External dimension

AWD655-10-LAB
WxDxH: 650x685x1850 mm
(25.6"x27"x72.8")



The reference values are based on standard model.

255 LT

AWD655-10A-LAB

Freestanding column

Machine equipped with an automatic sliding door, made in double tempered glass, for laboratory glassware with 4 independent levels. The upper levels are removable for washing large materials. It is equipped with a system that filter, electrically heat and force, with a powerfull blower, the air in the wash chamber and inside the hollow instruments, to obtain an excellent drying result. To ease the loading and unloading of the trolleys, special manual transport trolleys can be used. A wide range of racks, nozzles and accessories complete the machine, suitable to wash and dry a wide variety of laboratory glassware.

AWD655-10A-LAB

Automatic glass door
with drying

Wash chamber with spray arms

Automatic sliding doors

Chemical tanks

Built-in printer

Air filter

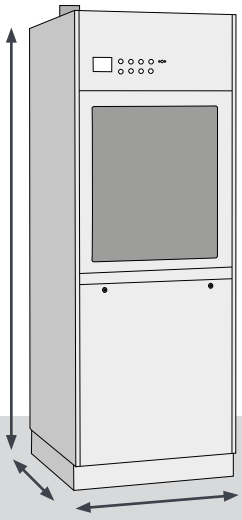
Technical features

	AWD655-10A-LAB
Model code	112502201
Wash chamber dimensions (WxDxH)	560x570x800 mm (22"x22.4"x31.5")
Wash chamber volume	255 lt (67.4 US gal)
Wash chamber material	AISI 316L (EN 1.4404)
Indicative weight	240 Kg (529 lbs)
Max pump flow rate	600 l/min (158.5 GPM)
Max drying fan flow rate	150 m³/h
Max number of dosing pumps for chemicals with flowmeters	4
Chemical tanks capacity	5 l (1 US gal)
Communication ports	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232
Touch control panel	✓
Automatic door with interlock	✓
Main switch ON/OFF	●
Forced air drying	✓
HEPA H14 filter	●
Cold water connection	✓
Hot water connection	✓
Deionized water connection	✓
Water softener system	●
Conductivity probe	●
Spray arm monitor	●
Coil for facility steam	●
Hybrid heating system: electric- steam	●
Wall drain pump	●
(E.T.S.) Empty Total System	●
Wash chamber LED light	●
Printer	●
Standards	IEC, UL, EMC

✓ Standard
● On request
× Not available

External dimension

AWD655-10A-LAB
WxDxH: 680x685x1950 mm
(26.8"x27"x76.8")



The reference values are based on standard model.

430 LT

AWD655-15A-LAB

Freestanding column

Machine equipped with an automatic sliding door, made in double tempered glass, for laboratory glassware with 4 independent levels. This model has equipped with a touch control panel with 8 backlit keys and a 7" touch-screen display. The machine is provided with 2 washing pumps: one allows water to flow out of the impellers into the tank, and the second engages the trolleys to wash the instruments via impellers or injectors. The upper levels are removable for washing large materials. It is equipped with a system that filter, electrically heat and force, with a powerfull blower, the air in the wash chamber and inside the hollow instruments, to obtain an excellent drying result. To ease the loading and unloading of the trolleys, special manual transport trolleys can be used. A wide range of racks, nozzles and accessories complete the machine, suitable to wash and dry a wide variety of laboratory glassware.

AWD655-15A-LAB

Automatic glass door
with drying

Wash chamber with spray arms

Automatic sliding doors

Built-in printer

Air filter

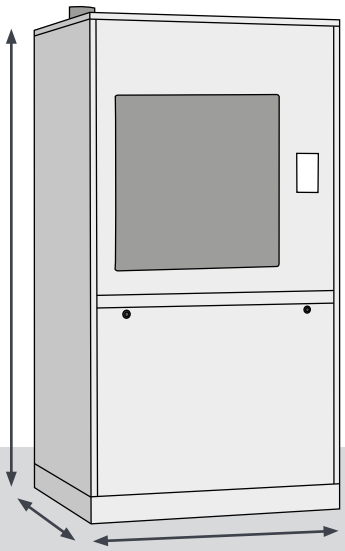
Technical features

	AWD655-15A-LAB
Model code	112502209
Wash chamber dimensions (WxDxH)	680x790x800 mm (26.8"x31.1"x31.5")
Wash chamber volume	430 lt (114 US gal)
Wash chamber material	AISI 316L (EN 1.4404)
Indicative weight	460 Kg (1014 lbs)
Max pump flow rate	600 l/min (158.5 GPM)
Max trolley pump flow rate	400 l/min (105.6 GPM)
Max drying fan flow rate	300 m³/h
Max number of dosing pumps for chemicals with flowmeters	5
Chemical tanks capacity	5 l (1 US gal)
Communication ports	2 pcs USB for PC and FLASH DRIVE; 1 pc RS232
Touch control panel	✓
Automatic door with interlock	✓
Main switch ON/OFF	●
Forced air drying	✓
HEPA H14 filter	●
Cold water connection	✓
Hot water connection	✓
Deionized water connection	✓
Water softener system	●
Conductivity probe	●
Spray arm monitor	●
Coil for facility steam	●
Hybrid heating system: electric- steam	●
Wall drain pump	●
(E.T.S.) Empty Total System	●
Wash chamber LED light	●
Automatic washing trolley recognition	●
Printer	●
Standards	IEC, UL, EMC

✓ Standard
● On request
× Not available

External dimension

AWD655-15A-LAB
WxDxH: 1000x900x1900 mm
(39.4"x35.4"x74.8")



The reference values are based on standard model.

PERFECT WASHING AND DRYING

State-of-the-art glassware washers for innovation and technological process

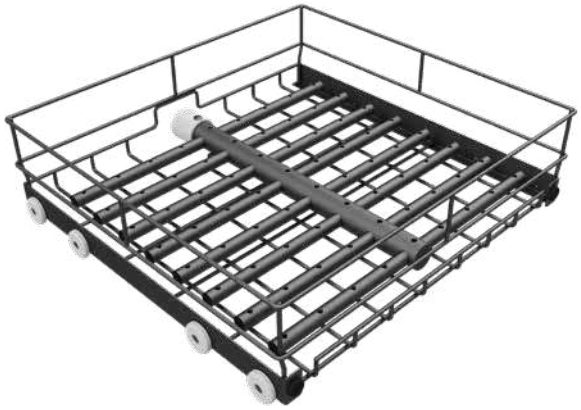
AWD655 glassware washers are an important washing and cleaning aid in the laboratory, life sciences and pharmaceutical industries. They guarantee the operator washing results with analytical purity, tested and constantly efficient.

The glasswashers have a large loading capacity, laboratory glassware is available quickly and peak loads can be disposed of more efficiently.

Thanks to the large variety of modular racks, inserts and accessories, the glassware washers ensure maximum flexibility, since the racks can be intuitively combined in a different way every time.

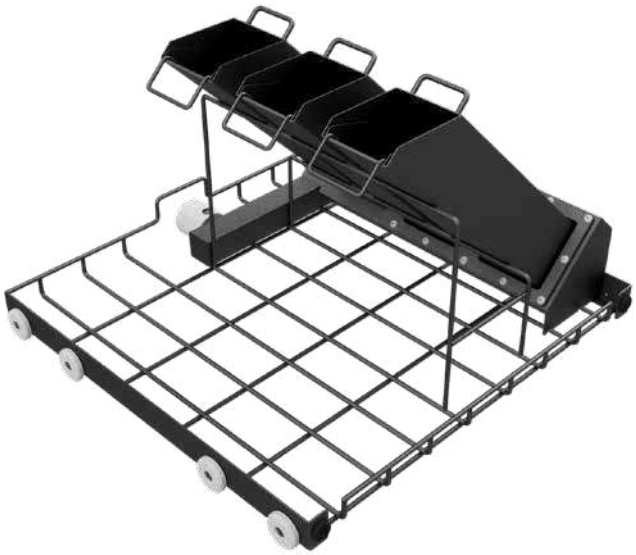
The washing programs adapt to any type of dirt and glassware and the quantity of objects to be treated.

AWD655 Racks, Nozzles and Accessories



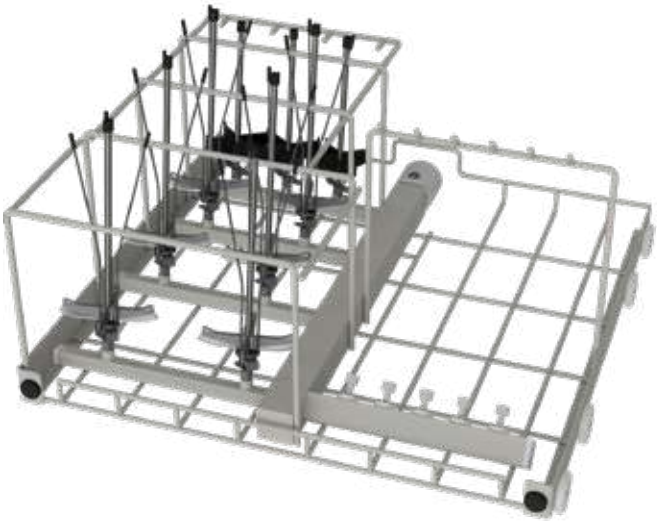
Washing rack with positions for nozzles

Washing rack positioned at the lower level, with positions for nozzles. For various type of glassware.



Washing rack for pipettes

Pipettes washing rack positioned at the lower level, with 3 cassettes. Suitable for washing: graduated pipettes, bulb pipettes and pasteur pipettes.

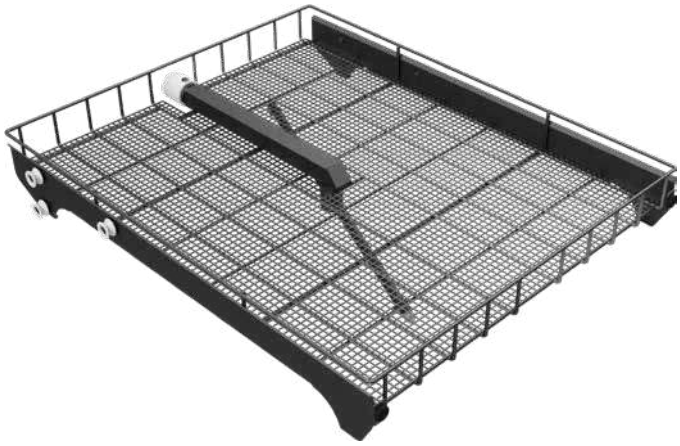


Washing rack with injection for nozzle and pipettes

Washing rack positioned at the lower level with nozzles for glassware and positions for pipettes. Suitable for washing: graduated pipettes, bulb pipettes and pasteur pipettes.

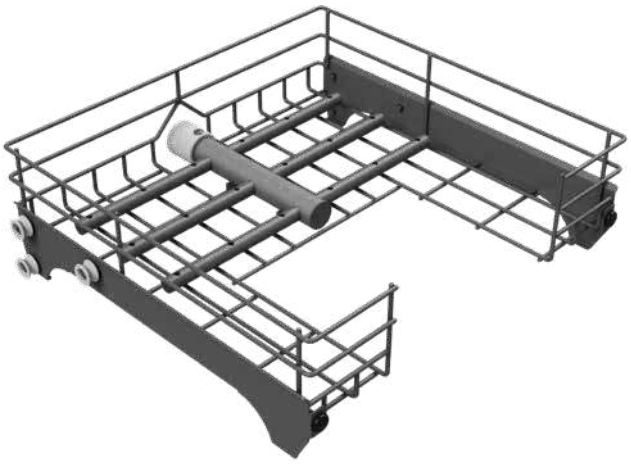
Washing rack with injection for pipettes and additional empty space

Washing rack for pipettes positioned at the lower level. Suitable for washing: graduated pipettes, bulb pipettes and pasteur pipettes.



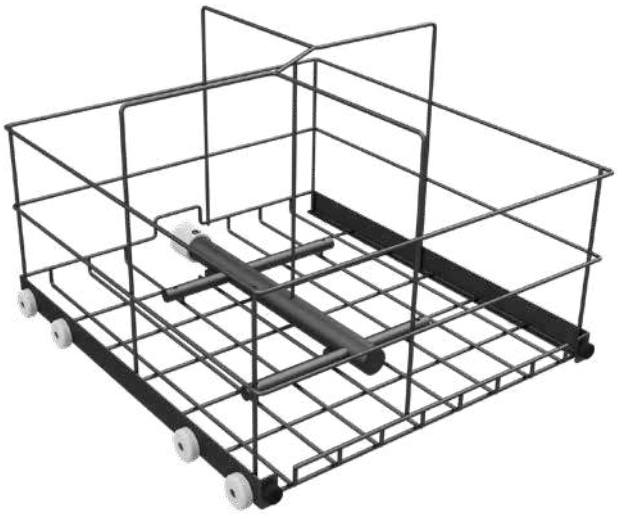
Washing rack with spray arm

Washing rack, basic version, with spray arm. For various type of glassware.



Washing rack with hole for pipette length

Washing rack positioned at the upper level, with positions for nozzles and hole for the length of the pipettes inserted in the lower rack. For various type of glassware.



Washing rack for larger sized bottles

Washing rack positioned at lower level with connections for nozzles. Suitable for washing larger sized bottles

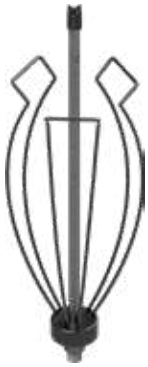
Transfering trolley

Loading trolley with block system to load washing trolley into the machines.

Nozzle with external rigid support

Nozzle with rigid internal holder

Nozzle with 3 flexible internal arms



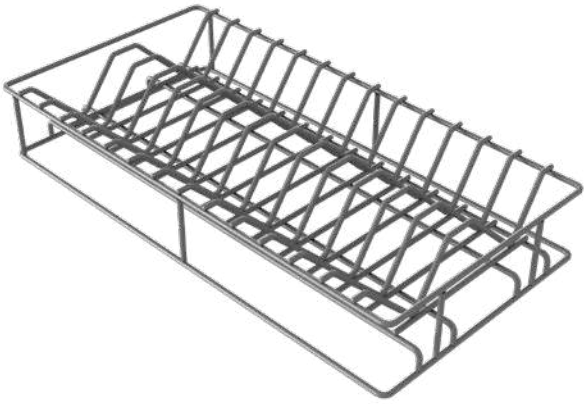
Nozzle with 3 flexible external arms

Standard nozzle

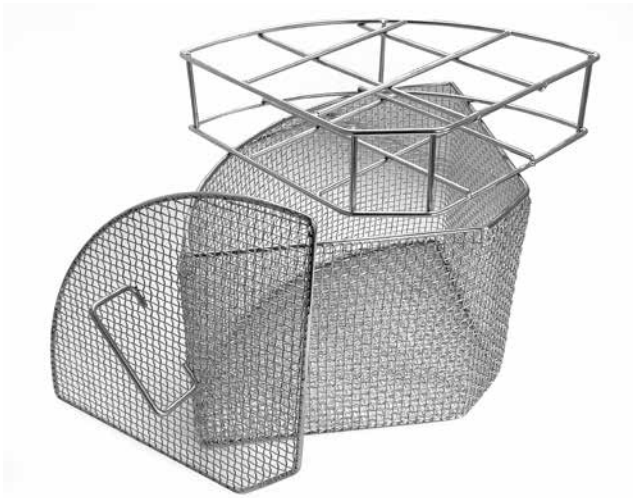
Standard nozzle

Nozzle with internal rigid cap

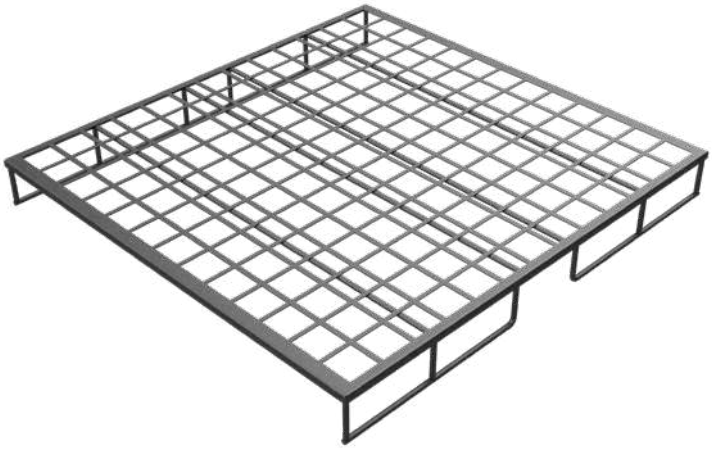
Nozzle with internal rigid cap and spring



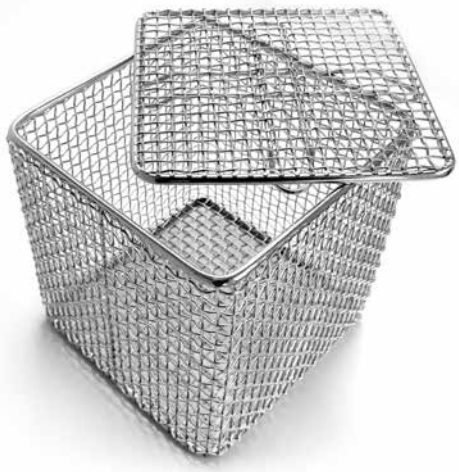
Insert for Petri dishes



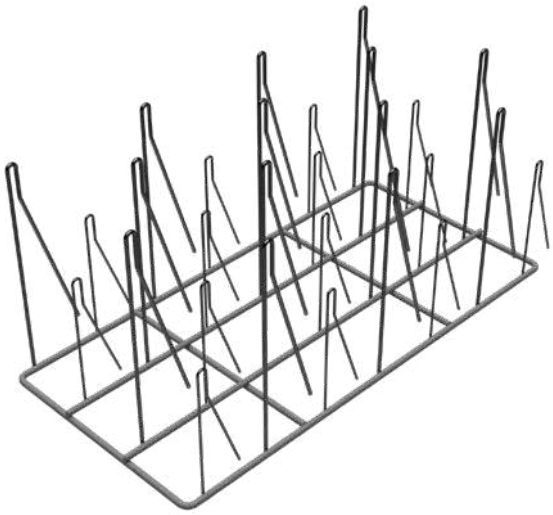
Basket for test tubes



Raising grid for washing racks



Fine mesh basket with lid for small glassware



Insert with 28 positions for glassware

MORE RACKS, NOZZLES AND ACCESSORIES AVAILABLE

ACCESSORIES CATALOGUE FOR EVERY MACHINES

Want to know all the racks, nozzles and accessories?

Contact us to get the accessories catalogue with all the details!

info@at-os.com

HOSPITAL DENTAL LABORATORY DRYING AND STORAGE CABINETS

CSSD RETIREMENT HOMES STAINLESS STEEL FORNITURE

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