Winterhalter under counter dishwashing machines - UC Series

winterhalter

Choice of 4 sizes

UC-S	UC-M	UC-L	UC-XL

Choice of 4 functions for different applications

Glasses	Dishes	Bistro Items	Cutleries

Key Benefits & Features

Maximum ease-of-use

- Touch screen as control panel
- Hygiene data log
- Operation data log
- Pre-set special programmes

Maximum service friendliness

- Error management system
- Menu-driven commissioning
- Easy access to internal parts

Maximum cost-efficiency

- Low rinse water consumption
- Energy versions
- Eco programmes

Best washing results

LGA (TÜV Rheinland, Germany) tested

- VarioPower wash system
- 4-fold filtration system
- Customized wash programmes

# Maximum ease-of-use

Glasswashing Software

Dishwashing Software

Bistro Dishwashing Software

2009-06-16	
Evt 01 Machine ON	07:31:15
Evt 03 Ready	07:47:45
Evt 04 Programme 1	07:49:32
ERR 10 WS reg.	08:02:26
Evt 06 Programme 3	08:12:11

Hygiene data log

Initial start-up	2009-04-10
Next service in	3500 h
Total operation hours	1030 h
Total washing cycles	3900
Total water consumption	13700 l

Operation data log

85° 62°
L   001 236
ECO   04
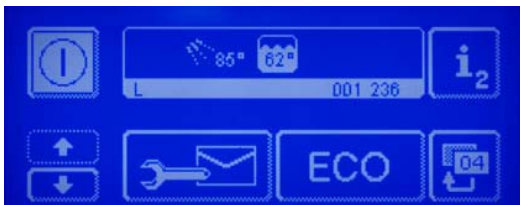
Special functions and programmes
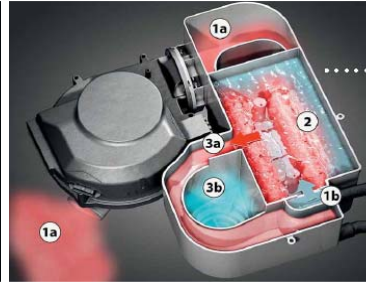
2009-06-09
00:00
Montag
00:00

Setting of automatic start-up
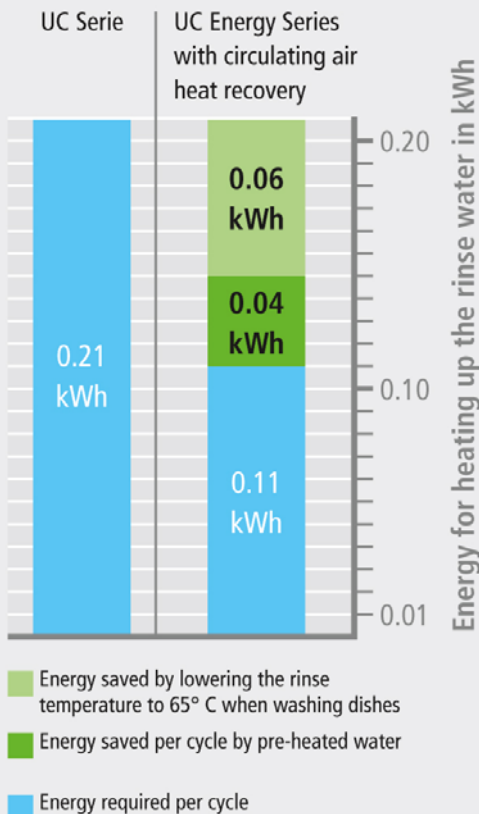
UC Series offers maximum operation convenience by:

✓ State-of-the-art control panel consisting of a touch screen and a start key with progress bar. This offers a range from single-button operation up to special customized wash programmes.

✓ Correct wash programme can be selected, depending on the wash items and soil levels, by touching the corresponding symbol on the screen.

✓ The UC Series stores programmes with ideal settings for specific wash processes.

✓ Four factors vital for good wash results, - cycle time, temperature, chemical dosing and wash pressure are adjustable for each wash programme to ensure **optimum wash result and protection for different wash items**.

✓ **Hygiene data log** enables easy monitoring of machine performance and data recordings.

✓ **Operation data log** provides accurate readings of total operation hours, water consumption and no. of wash cycles etc., easing cost management process.

✓ **Special pre-set programmes** such as Eco, silent, short, descaling, basic-cleaning and intensive, can be easily activated. The machine adjusts automatically all parameters to meet special dishwashing needs.

✓ **Time-controlled automatic start-up** helps to eliminate waiting time.

✓ **Clear error communication via symbols** and acoustic signals enable quick identification of problems at operator level.

Maximum cost-efficiency

Circulating air heat recovery, European patent

Energy required to heat up the rinse water

UC Serie | UC Energy Series with circulating air heat recovery

- 0.20
0.06 kWh
0.04 kWh
- 0.10
0.21 kWh
0.11 kWh
- 0.01

Energy for heating up the rinse water in kWh

Energy saved by lowering the rinse temperature to 65° C when washing dishes

Energy saved per cycle by pre-heated water

Energy required per cycle

UC Series offers maximum efficiency by:

✓ **Economical pre-set rinse water amount of 2.4 l/cycle**, and the possibility to reduce the rinse water amount for each wash programme.

✓ **ECO-programmes reduce running costs by approx. 11 %.** Wash cycles are extended, while the machine saves on energy and chemical costs.

✓ *Energy* versions: equipped with a **patented heat recovery system** is the most efficient model.

✓ In *Energy* versions, steam generated during rinsing is aspired and cooled in an integrated heat exchanger. The heat energy of the steam is used for **preheating of cold incoming water.**

✓ The air which is now cooled and dried, is then channeled back onto the wash items producing an enhanced drying result. Due to **self-drying**, the rinse temperature in *Energy* models is reduced from 85 °C to 65 °C, in case of dishwashing.

✓ The **double-saving effect** of *Energy* models ends with a **total saving of 0.1 kWh per wash cycle** for dishwashing programmes - an estimated **20%** savings in total running costs compared to the standard versions.

✓ In summary, *Energy* models offer unsurpassed **cost-efficiency and operation comfort** by significantly reducing steam emission.
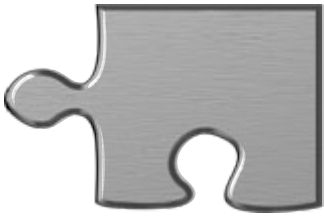
Maximum service friendliness
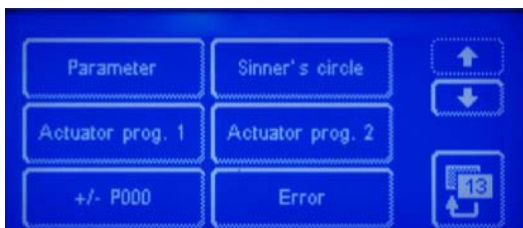
UC Series supports maximum service friendliness:

✓ Material and components are made of **very high quality.**

✓ **3-year warranty** for bus cable, control system and optional integrated water softener.

✓ **Best accessibility** to all service relevant components via individually removable side panels and optimized positions of parts.

✓ **Menu-driven commissioning** helps to define the machine step by step.

✓ **Multiphase design** simplifies machine installation. Machines are adaptable to different current types on-site.

✓ Easy **customization of wash programmes** by technicians, to meet customers' unique dishwashing needs.

✓ Due to self-explaining symbols, the user-friendly **error management system** indicates important errors, which can be easily solved by the operator.

✓ Extensive **error data log** provides useful notes for service technicians, facilitates trouble-shooting.

✓ Integrated **actuator function** enables fast error testing and identification by technicians, reducing down time.

✓ Smooth machine interior and exterior surfaces, plus easily removable wash systems and filters, simplify manual cleaning.

Best washing results
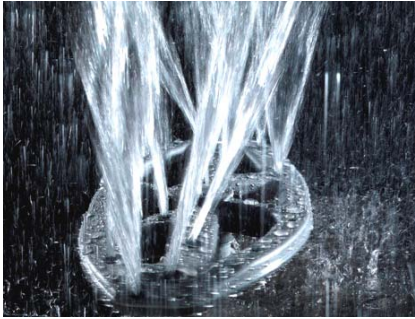
UC Series offers the best washing results:

✓ **VarioPower** : The two revolutionary wash fields ensure **uniform coverage and dishwashing power** from above and below.

✓ **High-performance hygiene tank heater**: ensures stable tank temperatures and easy manual cleaning.

✓ **Unique 4-fold filtration system:** consists of a flat strainer, filter cylinder, pump inlet filter and Mediamat. This keeps the tank water hygienically clean for more wash cycles and significantly lower running costs.

✓ **Sediment sensor** monitors the quality of the tank water automatically, and if necessary, would initiate a step by step regeneration during wash cycles.

✓ **Intensive programmes**: clean even heavily dried-on residues.

✓ All factors ensuring a good wash result are adjustable in respect of the different types of wash items and the degree of soiling. This **guarantees very good wash results and an optimum protection of wash items at all times.**

✓ The new UC Series was tested along with other manufacturers' dishwashers by the LGA (TÜV Rheinland, Germany), an independent testing institute, and has been certified to **deliver the best dishwashing results in the under counter dishwasher class.**

→ Technical data

Machine capacity - by different types of applications

Technical Data		Glass	Dish	Bistro Items	Cutlery
Theoretical capacity, washing programs 1/2/3	(racks/hr.)	22/32/48	40/28/24	40/32/28	11
Short programs	(racks/hr.)	77	65	66	21
Rinse water requirement per cycle*	(l)	2.4	2.4	2.4	3.4
Rinse temperature	(°C)	65	85	65-85	85
Tank temperature	(°C)	62	62	62	66

* Under ideal conditions. The rinse water consumption depends on circumstances at the customer's premises. Fine adjustment is made at commissioning.

Technical data – by different machine sizes

Technical Data		UC-S	UC-M	UC-L	UC-XL
Number of programmes	(racks/hr.)	up to 3 (+ special programmes)			
Theoretical Capacity[1]	(racks/hr.)	See above table			
Width	(mm)	460	600	600	600
Depth					
- incl. detergent container	(mm)	637	637	637	671
- with open door	(mm)	940	940	1034	1068
Height with feet[2]	(mm)	725-760	725-760	820-855	820-855
- with Energy design	(mm)	810-845	810-845	905-940	905-940
Clear input height	(mm)	309	637	637	671
Rack dimensions	(mm)	400 x 400	500 x 500	500 x 500	500 x 500 / 500 x 540
Tank capacity	(l)	9.5	15.3	15.3	15.3
Rinse water requirement per cycle[2]	(l)	2.4	2.4	2.4	2.4
Circulating pump (P1)	(kW)	0.6	0.6	0.6	0.6
Maximum water inlet temperature (°C)		60	60	60	60
Required water flow pressure (bar/kPa)		0.8-6.0 / 80-600	0.8-6.0 / 80-600	0.8-6.0 / 80-600	0.8-6.0 / 80-600
Splash guard					
- with plastic back panel		IP X3	IP X3	IP X3	IP X3
- with stainless steel back panel (option)		IP X5	IP X5	IP X5	IP X5
Weight net / gross	(kg)	59 / 68	65 / 74	69 / 79	69 / 79
- with Energy design net / gross	(kW)	64 / 73	70 / 80	75 / 85	75 / 85

[1] Customer's circumstance (water inlet temperature / electrical connection), may reduce the values stated here.
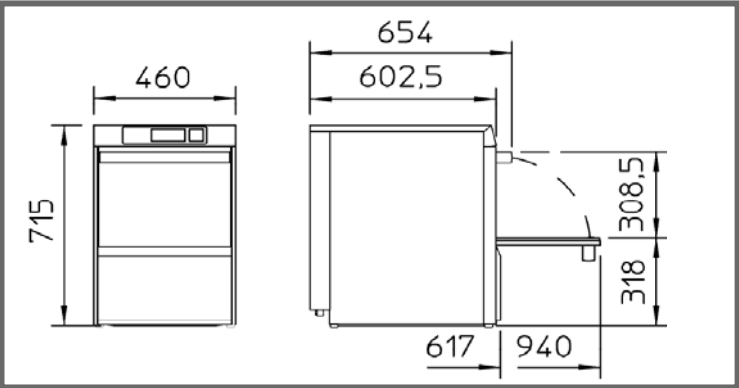[2] Adjustable feet enable the vertical dimensions to be raised by up to 35 mm.
[3] Under ideal conditions. The rinse water consumption depends on circumstances at the customer's premises.

Electrical values

Voltage	Fuce Protection	Tank Heating	Total Connected Load	Boiler Heating	Circulating Pump (P1)	Countries
380 V - 415 V / 3N~	16 A	2.0 kW	7.9 kW	5.3 kW	600 W	Worldwide
220 V - 240 V / 1N~	16 A	2.0 kW	3.2 kW	2.6 kW	600 W	

→ Machine dimensions

	UC-S
Width [mm]	460
Depth [mm]	Without chemical container: 617 **With chemical container: 637**
Height [mm]	715 - 750
Clear entry height [mm]	308,5

	UC-M
Width [mm]	600
Depth [mm]	Without chemical container: 617 **With chemical container: 637**
Height [mm]	715 - 750
Clear entry height [mm]	308,5
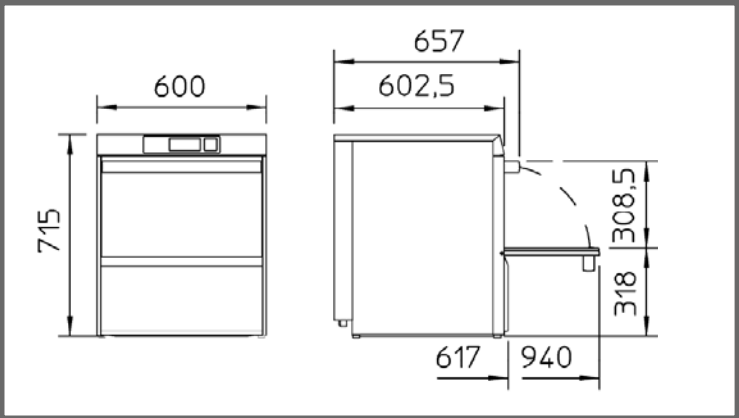
	UC-L
Width [mm]	600
Depth [mm]	Without chemical container: 617 **With chemical container: 637**
Height [mm]	810 - 845
Clear entry height [mm]	403,5
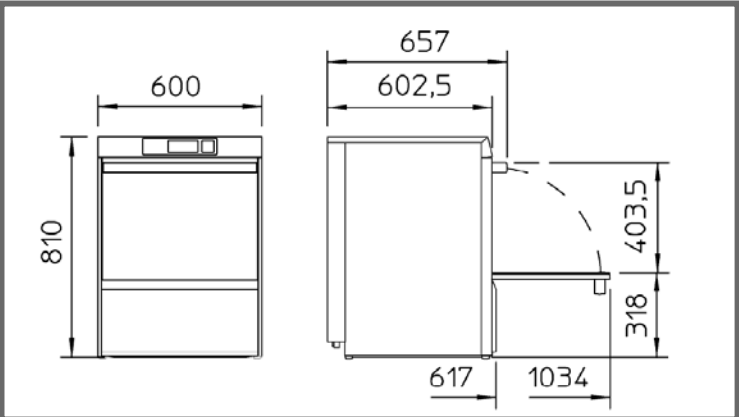
	UC-XL
Width [mm]	600
Depth [mm]	Without chemical container: 656 **With chemical container: 676**
Height [mm]	810 - 845
Clear entry height [mm]	403,5