

# Winterhalter AT Excellence-M

In order to meet the very highest standards, Winterhalter engineers have put all their expertise into the development of new water treatment devices.

Because water quality plays a decisive role when it comes to the quality of the wash result.

The AT Excellence guarantees a consistent wash quality and eliminates with this the need for polishing.

Furthermore the AT Excellence-M distinguishes itself with several more positive characteristics.

## Product characteristic:

### The perfect wash result. Constantly.

The AT Excellence Series reverse osmosis devices, remove almost 100 % of water impurities. This high degree of water purity makes it possible to achieve perfect wash results.

- **AquaOpt – the water quality that you want**  
Wash break periods worsen the quality of the produced water. After extended wash break periods the AquaOpt function compensates this effect and optimises water quality again. This ensures consistent washing with optimised water and guarantees the desired wash result every time.
- **Operational status on machine display**  
A direct network connection allows the operational status of the AT Excellence-M to be displayed on the Winterhalter warewasher display in the future. Faults (e. g. pre-filter function or water quality) are indicated as fault messages and can be rectified immediately.



### More efficiency and maximum service life

The guiding principle of the AT Excellence Series is increased performance and cost reduction.

- **Plug and play through integrated WSE**  
The entire AT Excellence Series has the legally required water safety device (WSE) fitted as standard.\* Just connect power and water and the device is ready to go. This doesn't involve additional installation work or extra costs.
- **Adaption to on-site conditions**  
The AT Excellence Series can be adapted according to the water hardness on-site. This optimises the amount of produced water and extends the service life of the membrane.
- **Intelligent membrane wiring**  
The intelligent arrangement of the membranes contributes to maximising the service life and efficiency of the AT Excellence.

### Convenience and safety

Language-neutral operation, sophisticated safety systems and optimum accessibility are all examples of how the AT Excellence Series delivers reliability, ease of operation and service.

- **Model safety**  
Leakage, pre-filter removal and pump protection sensors guarantee device function and minimise consequential damage.
- **Intuitive operation**  
Colour-coded status displays, language-neutral symbols supported by language-specific text that facilitate operation and reduce instances of misuse.
- **Consistent ease of service**  
At the heart of the AT Excellence Series is its ease of use. The ease of plug and play installation, the menu assisted start up and service-optimised design are all testament to this.

## Your benefits:

- Perfect washing results
- Customer friendly handling
- Low running costs
- Highest service friendliness

\*National installation and operating regulations must be observed!

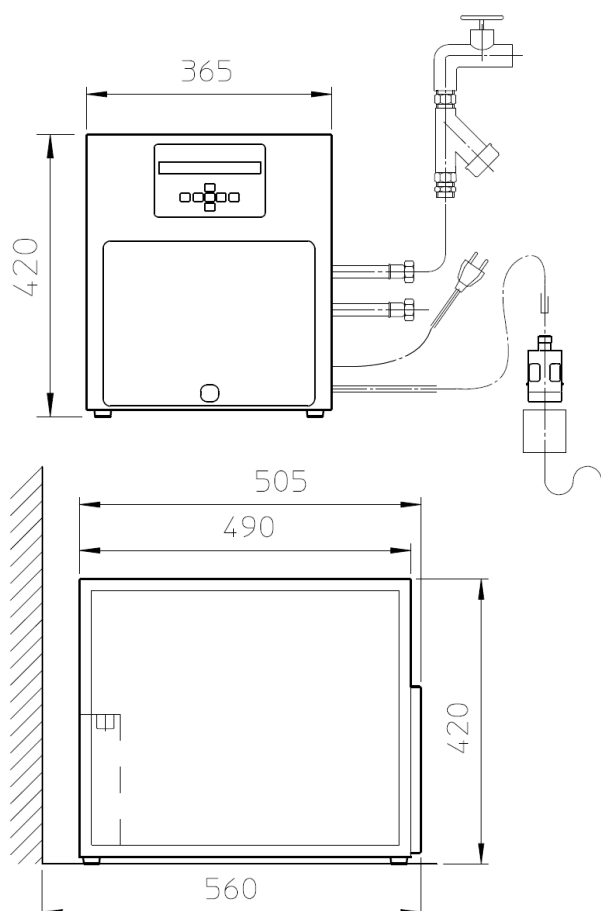
Additional information on [www.winterhalter.com.au](http://www.winterhalter.com.au)



# Winterhalter AT Excellence-M

## Dimensions:

Width x depth x height: 365 x 505 x 420 mm



## Water connection:

Drinking water connection: G 3/4"  
 Connection outflow permeate: G 3/4"  
 Waste water connection: DN 10 mm

## Water intake:

Inlet pressure: min. 1,5 bar dyn.  
 max. 6 bar stat.  
 Flow rate: mind. 12 l/min.  
 Water inlet temperature: max. 35° C  
 Inlet water total hardness (GH): < 35°dH  
 Max. conductivity (at +15 °C): ≤ 1.200 µS/cm  
 Temperature: +4 °C ≤ ... ≤ +35 °C  
 Chlorine: 0,2 mg/l  
 Silicates: 30 mg/l  
 pH-value: 7,4 ≤ pH ≤ 9,5

## General data:

Ambient temperature: 0 °C ≤ ... ≤ +40 °C  
 Humidity: 30 - 95 %  
 Weight: 34 kg  
 Protection against water jets: IP X5  
 Noise emission: < 65 dB (A)

## Electrical supply:

Voltage: 200 – 240 V  
 Fuse protection: 2,7 – 4,0 A  
 Total connected load: 450 – 670 W

## Performance:

Permeate production at 15 °C inlet water temperature: ≥ 3,0 l/min  
 Permeate quality/-conductivity: < 80 µS/cm  
 Yield at 0 °dGH: max. 60 %  
 Operating pressure: 9-10 bar

## Features:

- Connection set including connection hose, waste water hose, main power hose and data communication hose
- Active carbon filter argentic integrated
- Back flow preventer according to DIN EN 1717 integrated
- Sensors for the surveillance of inlet pressure, conductivity permeate and filter insert
- Pump motor liquid cooled
- High performance reverse osmosis membranes
- Electronic microprocessor control
- Manual emergency operation solution

## Device control:

- Guided commissioning
- Device surveillance (permeate quality, inlet water pressure, pre-filter capacity and run time, stand still time without membrane flushing, leakage)
- Guided membrane cleaning program
- Guided membrane conservation program
- Automatic membrane flushing
- AquaOpt water quality optimisation

## Accessories:

- Undercarriage

