

# 3-Bowl Scour

by AWTALtd.





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## The 3-Bowl Scour AWS3

The 3-Bowl Scour AWS3 is specifically designed for washing greasy wool subsamples, effectively removing dirt, suint (sweat salts), and grease in the determination of Wool Base and Vegetable Matter base according to the International Standard, IWTO-19-2020.

The 3-Bowl Scour features three bowls, each equipped with an agitator, a perforated plate, and mesh at the bottom to form sieves. Additionally, it includes a single spray gun with a flexible connection for rinsing the bowls after a cycle. The system features a built-in detergent and antifoam agitation and injection system, adding detergent to the hot water cycle after the initial rinse. The 3-Bowl Scour washes and then rinses the wool subsamples. The wool is removed from the 3-Bowl Scour, placed in a drying can, and then spun in the *Centrifuge 1500C* or an equivalent machine to remove the excess water from the scoured wool sample.

The fully automated 3-Bowl Scour not only enhances laboratory processes by streamlining the washing and rinsing of wool subsamples but also ensures efficiency, precision, and consistent results. This automation feature contributes significantly to the overall effectiveness and reliability of the laboratory workflow.



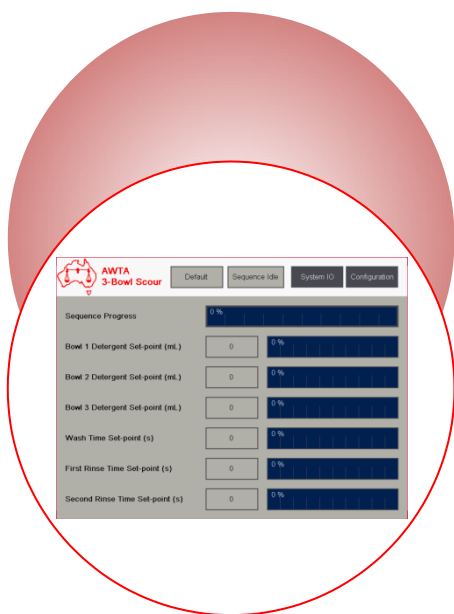
## User Interface

The Human Machine Interface (HMI) add-on touch screen enables users to interact with the 3-Bowl Scour, allowing them to execute various test methods and procedures as needed. The HMI can also be configured to support multiple languages as an option.

The HMI is a user-friendly interface with a responsive touch display, allowing easy control and monitoring. It includes features such as real-time cycle progress tracking, the ability to configure cycle details, and maintenance assistance, ensuring both efficiency and convenience in operation.



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## 3-Bowl Scour

### Model: AWS3

### Technical Information

The AWTA 3-Bowl Scour meets the test standards of the International Wool Textile Organisation standard IWTO-19-2020.

The 3-Bowl Scour offers the flexibility to be configured, allowing for the inclusion of international language support and the customisation of cycle sequences to meet the diverse needs of our customers. This adaptability ensures that the equipment can seamlessly integrate into various operational contexts, providing an enhanced and personalized user experience.

### Technical Specifications

Power	
Supply Voltage	3 Phase 415V AC 50Hz or 3 Phase 208V AC 60Hz
Rating	6 kW
Pneumatics	Dried and Filtered Compressed Air
Pressure	550 - 650 kPa
Flowrate	24 CFM
Connection hose size	10 mm
Water Supply (Recommended)	
Hot Water	400 kPa 150-170 litre/min @ 75-85 °C
Cold Water	400 kPa 150-170 litre/min
Volume	17 litre per bowl
Connection	1 inch
Environmental Parameters	
Drainage	Effluent treatment capabilities that comply with local regulations
Recommended Accessories (Optional)	
Detergent	HYDRAPOL® BD40
Anti-Foam	Silicon Based Antifoam C
Floatation Sieves	200 mesh, hole size 75µm
Dimensions and Weight	
Dimensions (WxDxH)	1352mm x 1017mm x 1621mm
Weight (gross)	330 kg
Manufacturer Warranty	1 Year





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