

# HARSTRA

## WASH 4U

PROFESSIONAL WASHING MACHINE



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## Function

The washing machine Wash4U is specially developed for professional cleaning of SCBA's with breathing cylinder. The SCBA's will be cleaned when they are still under pressure.

In addition, helmets or masks can also be washed in this machine. Helmets can be placed individually on the pull-out frame. For masks, our standard mask baskets can be used or the 18-pin mask frame (AW4M) can be used.

## Description

In the **wash section** the products are sprayed on all sides with a large quantity of water from a moving wash frame. A detergent may be dissolved in this water. The washing water returns to the wash tank by a removable filter. An overflow and supply of clean tap water keep the level in the wash tank constant. The water level in the wash tank is also protected by a low level-cut-out. The water in the wash tank is heated. A digital temperature controller controls the heating system.

The wash section components are:

- a centrifugal pump for the main wash
- a level sensor, as low level-cut-out and high and low water control system
- an overflow in the wash tank
- a wash tank, capacity approximately 24 gallon and a rinsing tank approx. 5 gallon
- a water discharge pump to drain the wash tank
- a removable filter
- moving wash frame with wash nozzles for the main wash and a second system with stainless steel nozzles for the rinse cycles.

The **rinse section** uses clean tap water. There is a magnetic valve on the rinsing water (tap water) supply pipe to the rinse tank. This will retain the tank level automatically by level switches. The water consumption is approx. 5 gallon per wash cycle. The centrifugal rinse pump will pump the water to the stainless steel nozzles inside the moving washing frame. After rinsing the water returns to the water tank via the filter basket in the wash section.

You will find the **motor compartment** on the backside of the machine. The control panel is on the front side of the machine. A water filter is in the water pipe, just in front of the magnetic valves.

This machine has a main circuit breaker, with which you can stop the machine immediately in the event of an emergency or a fault. It is a red/yellow switch. You will find it at the control panel of the machine.

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Diagrammatic view of the Wash4U:



Item	Description
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- |   |                                     |
|---|-------------------------------------|
| 1 | Cabinet door                        |
| 2 | Filter (inside washing area)        |
| 3 | Electrical cabinet/door             |
| 4 | Motor + wash tank compartment       |
| 5 | Cabinet door hinges and gas springs |
| 6 | Control panel                       |
| 7 | Main Switch                         |
| 8 | Castors                             |

### Specifications

Dimensions	height x width x depth in mm
External	70,86 (94,88*) x 52,55 x 33,46 (57,28*) *with open hood and extended drawer
Internal	26,96 x 40,55 x 24,01
Weight	881 lbs
External	grinded stainless steel type 304
Internal	stainless steel type 304
Doors	1 piece, vertical closing (front loader), with 2 handles and door Security/Emergency stop
Wheels	4 castors (inhibited)
Control	Siemens PLC
Wash pump power	2,2 kW
Wash pump capacity	185 gallon / per min. at 22 PSI
Wash tank capacity	24 gallon
Heating	9 kW
Three wash cycle times	5, 10 and 22 minutes
Wash temperature	adjustable to 130°F.
Wash system	moving wash frame with plastic blue nozzles on 4 sides
Cleansing dosage	automatic, adjustable
Power rinse pump	370 Watt
Water rinse tank capacity	5 gallon
Heating	9 kW
Rinse time	adjustable (by factory)
Rinse water temperature	max. 130°F.
Rinse system	moving rinse frame with stainless steel nozzles on 4 sides
Neutralization dose	automatic, adjustable
Drain pump	80 Watt

### Connections

Voltage	5-pole cable, 208 Volt AC, 3 phases, PE, 60 Hz.
Power	approx. 21 kW, fused at 3 x 63 Ampère
Cable connection	4 x 10 AWG
Water supply connection	G ¾" max. 120°F.
Water hardness	2 till 4° dH
Required water pressure	15 – 40 PSI
Water consumption by rinse	2,65 gallon per 1 minute rinse*
Water drain	Ø 2 inch
Maximum height drain hose	8 inch without syphon
Noise volume	70 dB(A)

### Delivery terms

Time of delivery	8 weeks
Terms of delivery	ex-factory Zeewolde, The Netherlands
Guarantee	12 months, wear and tear parts are excluded from guarantee

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## Optional Accessories

- AW4M: Stainless steel frame in Wash4 for 18 breathing masks

