

WASH SERIES DOSING SYSTEM

WASHMULTI PERI



DESCRIPTION

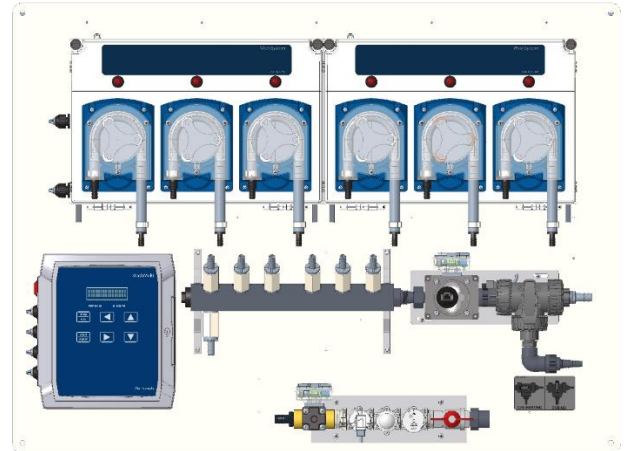
WashMulti Peri System is a centralised chemical dosing system designed for laundry applications. Installations can serve any combination of up to 10 washer extractors (depending of washer capacity) with a maximum machine load of 100 Kg (220 lbs).

The main unit contains 4/6/8 peristaltic pumps with the possibility to add an auxiliary unit with a further 2/4 pumps up to 16 pumps total. For enhanced accuracy.

System has a built in flow meter sensor.

An incorporated water powered flush system and centralised machine distributor is used to transport the product solution to each machine.

Formula and Automatic Formula Selection modes are available for programming the system along with Latched mode options.



TECHNICAL SPECIFICATIONS

Electrical specifications	
CE Compliant	100-240 VAC 50/60 Hz, 2 Amp. Transient voltages typically present at mains supply. Mains supply fluctuations not to exceed $\pm 10\%$
Fuse	6.3A T 250V (internal, replaceable)
Water Valve Output	30 VDC, 0.5 Amps
Pump Drive Outputs	30 VDC, 1 Amp normal, 2 Amps max
Distributor valve	30 VDC
Power Switch	On/off rocker switch main console

H Series Peristaltic Pumps · Three rollers, self-priming, self-checking	
Transport Tubing	12x18 mm PVC reinforced
Nominal Flowrate	1666 ml/min (56.3 oz./min) with standard tubing 9.6x15.9 mm (0.25") with water @ 20°
Maximum Suction Tube Length	The max length of the suction tube is 5 meters (16 feet). Long tube runs in combination with viscous products shorten pump tube life. It is recommended to keep pick-up lines short as possible and stay within the specification.
Duty Cycle	60% with the maximum continuous run time of 10 minutes

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Environmental specifications (all system modules)

Altitude	Maximum operating altitude 2000 meters (6500 feet)
Internal Ambient Temperature Range	5-40°C (41-104°F) For indoor use only
Humidity	Maximum relative humidity 80% at up to 30°C (86°F) decreasing linearly to 50% relative humidity at 40°C (104°F)
Pollution Degree	2
Installation Category	II

Water supply specifications

Recommended flow rate	Min: 2 L/min, Max: 10 L/min
Pressure	Min: 1 Bar, Max: 4 Bar (dynamic)
Temperature	10-40°C (50 - 104°F)
Connection	BSP 3/4" female

STANDARD SYSTEM CONFIGURATIONS

Below you can find the available WashMulti Peri standard systems:

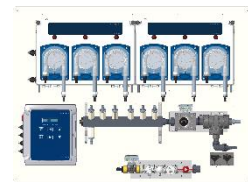
Main unit (4-Pump System)

Dimensions (H x W x D cm)	66.5 x 90 x 21.1 cm (27.8 x 35.4 x 9.3 in)
Weight	25.30 kg (56 lbs)
Mounting	Stainless bracket



Main unit (6-Pump System)

Dimensions (H x W x D cm)	66.5 x 90 x 21.1 cm (27.8 x 35.4 x 9.3 in)
Weight	33.90 kg (74 lbs)
Mounting	Stainless bracket



Main unit (8-Pump System)

Dimensions (H x W x D cm)	66.5 x 110 x 21.1 cm (27.8 x 43.3 x 9.3 in)
Weight	39.90 kg (88 lbs)
Mounting	Stainless bracket



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Auxiliary Units

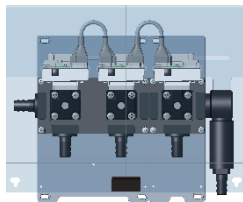
Aux unit (2-Pump System)	
Dimensions (H x W x D cm)	66.5 x 45 x 21.1 cm (27.8 x 17.7 x 9.3 in)
Weight	11.20 kg (24.60 lbs)
Mounting	Stainless bracket



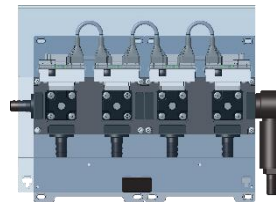
Aux unit (4-Pump System)	
Dimensions (H x W x D cm)	66.5 x 65 x 21.1 cm (27.8 x 25.5 x 9.3 in)
Weight	20.50 kg (45.10 lbs)
Mounting	Stainless bracket



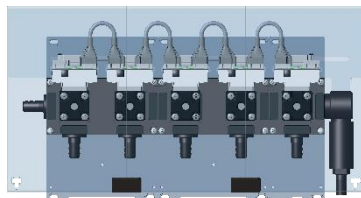
Each of the above standard systems can be configured with a distributor with up to 6 solenoid valves. Below you can find the standard distributors available with a WashMulti Peri standard system:



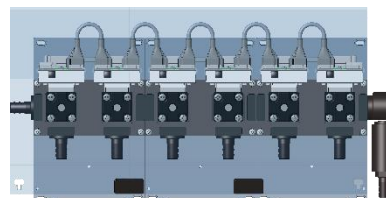
a. Three solenoid valve distributor



b. Four solenoid valve distributor



c. Five solenoid valve distributor



d. Six solenoid valve distributor

Distributor (standard module)	
Power	30 VDC, supplied by CANbus cable
Outlet	1 safety valve, and 4-5-6 machine valves. (Option to add further machine valves for feeding up to 10 machines max)
IP rating	IP40
Max length tubing	The maximum tubing distances between the pump unit and the machine is 60m. This distance also includes the passage for the distributor.