

DESCRIPTION

WashMulti Air is a centralized chemical dosing system designed for large laundry applications. Installations can serve any combination of up to 12 washer extractors with a minimum machine load of 20Kg (45 lbs) for Low Flow version, 40 Kg (90 lbs) for High Flow version and maximum total load (all machines) of 800/1000Kg (1800/2200 lbs).

The main unit contains 1 pneumatic pump in two different size, Low Flow and High Flow versions and 4/6/8/10/12 chemical pneumatic suction valves.

For enhanced accuracy, WashMulti Air has a built-in flow meter sensor.

As with the other products in the Wash Series, WashMulti Air allows remote management of the dosing system and provides critical management information through the “Sekoweb” portal.



FEATURES

Product design and technological advantages:

- Modular system configurable for up to 12 washer extractors, with 12 chemicals
- The system is provided with a gear flowmeter to assure the right dosing accuracy also for high viscous chemical
- Outstanding chemical compatibility materials for all the manifold parts, pump/valves membranes and seals
- As for the all Wash series, the system has a web server interface accessible via WiFi with any device like smartphone, tablet or laptop
- WashMulti Air allows remote management of the dosing system and provides critical management information through the “SEKOWEB” portal.
- Hygiene temperature monitoring for washed linen disinfection certification
- Post flush option: water by-pass valve for each washer extractor to decrease the delivery time

TECHNICAL SPECIFICATIONS

Main pneumatic pump specifications	
Max Flow-rates	Low Flow rate: 2-2,5L/min High Flow rate: 5-6L/min (flow derates with high viscosity fluids)
Max pressure	5 Bar
Max suction	6 meters long, 3 m lift

*With water at 20°C

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

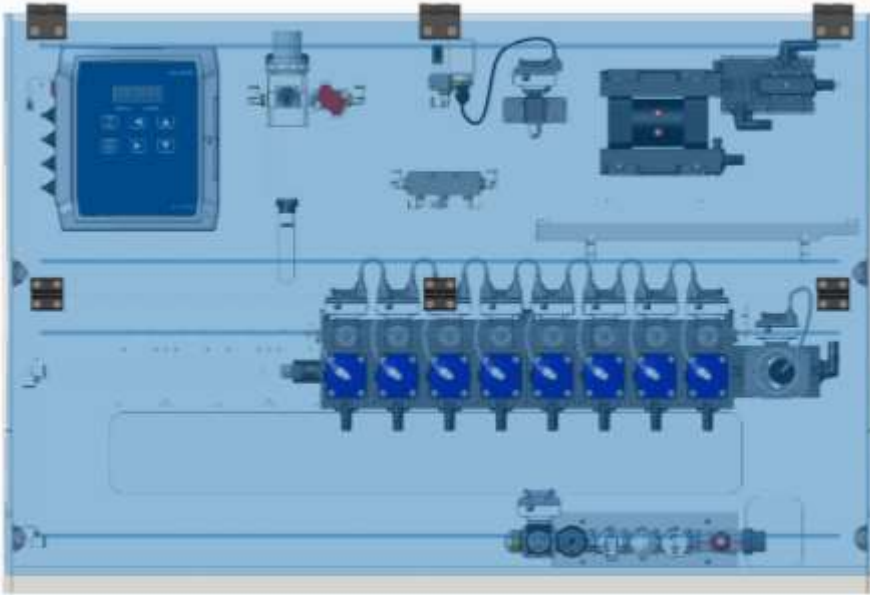
Environmental specifications (all system modules)	
Altitude	Maximum operating altitude 2000 meters (6500 feet)
Internal Ambient Temperature Range	5-40°C (41-104°F) For indoor use only
Humidity	Maximum relative humidity 80% at up to 30°C (86°F) decreasing linearly to 50% relative humidity at 40°C (104°F)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

Water supply specifications	
Recommended water flow rate	Min: 2 L/min, Max: 10 L/min
Pressure	Max: 10 Bar (dynamic) The system is equipped with pressure regulator fixed to 3 bar
Temperature	10-40°C (50 - 104°F)
Recommended water hardness	Min: 0°f, Max: 30°f (0-17 dH)
Connection	BSP 3/4" male (GHT US version)

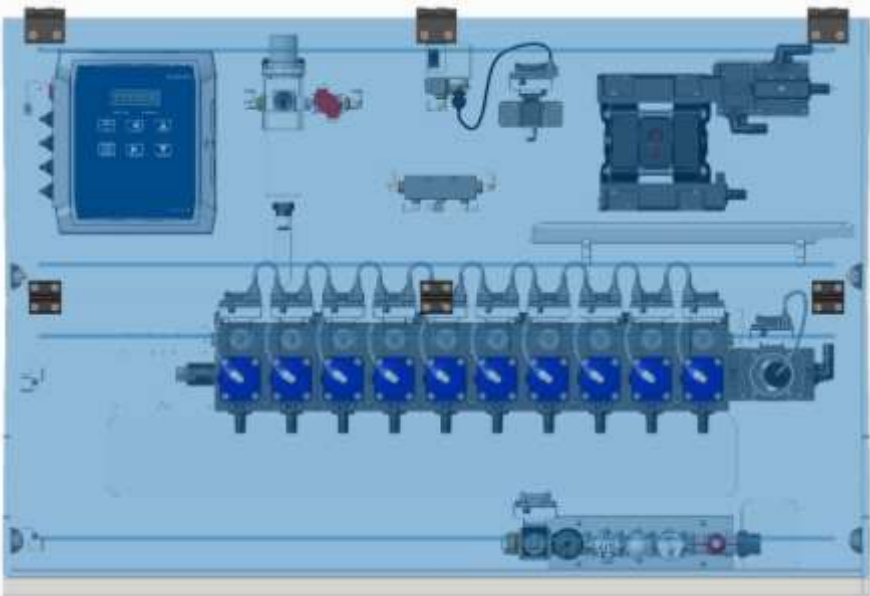
Air supply specifications	
Recommended flow rate	Min: 35 L/min
Pressure	Min: 4 Bar, Max: 6 Bar
Humidity in the air	Max: 20%
Min flow	40 NL/min
Inlet diameter	8mm (3/8 US measure)

STANDARD SYSTEM CONFIGURATIONS

The standard system can be configured for high flow rate or for low flow rate in the same cabinet size. A standard system can also have 4, 6, 8, 10, 12 pneumatic suction valves. Below you can find the available WashMulti Air standard systems:



A. Systems with 4,6,8,10,12 pneumatic suction valves with Low flow rate pump



B. Systems with 4,6,8,10,12 pneumatic suction valves with High flow rate pump

Dimensions W X H X D:

108 X 72 X 21.5 cm (42.5 X 28.3 x 8,5 in)

Distributors (standard module)	
Power	30 VDC, supplied by CANbus cable
Outlet	4-5-6 machine valves. (Option to add further machine valves for feeding up to 12 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.

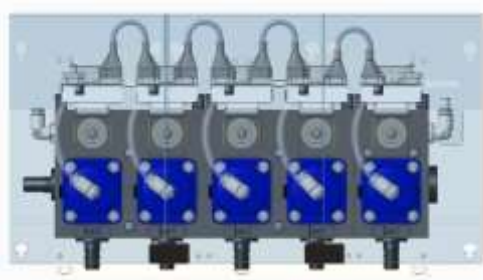
Each of the above standard systems can be configured with a distributor with up to 6 pneumatic valves and in combination up to 12. Below you can find the standard distributors available with a WashMulti Air standard system:



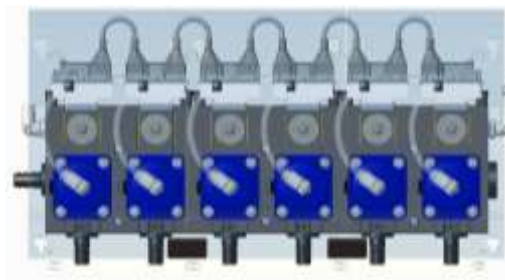
a. Three valve distributor



b. Four valve distributor



c. Five valve distributor



d. Six valve distributor