

ML Solo 2

TECHNICAL DATA



ML Solo 2 is a humidification unit with a very low noise level and the same capacity as traditional compressed air nozzles. ML Solo 2 replaces compressed air nozzles in most places.

Humidification principle:

The humidity is produced when water under high pressure (700-1050 psi) is atomized into micron-sized particles that are immediately absorbed in the air.

Application:

For direct humidification, and rooms that need a low humidity level.

Recommended floor to ceiling height in rooms is a minimum of 8'.

Part Number	Description
132 220 001	ML Solo 2, 2 x 5 pounds per hour, 24 VAC 50/60 Hz

Specifications:	
Weight	4.4 pounds
Size (H x W x D)	7.1 x 5.9 x 6.7 inches
Material	Painted steel
Noise level	40/43 dB (A)
Humidity capacity	Max. 20 pounds per hour
Operating pressure	700 - 1050 psi
Voltage	24 VAC 50/60 Hz - 15/16 W
Installation height	Min. 8 feet
Min. distance to ceiling	10"
Min. atomizing clearance from nozzle	9.8 feet
Nozzle type	2 pc. part no. 103150000 at 10 pounds per hour, (10 lb/hr) 2 pc. part no. 103160000 at 5.5 pounds per hour, (5.5 lb/hr)
Suspension	Solo Wall Bracket, part no. WHITE: 132400001 Solo Ceiling Bracket, part no. WHITE: 132401001
Water connection	2 pcs. 1/8 " ML high pressure hydraulic hose

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	ML Solo 1	ML Solo 2
Weight	4.4 lb	4.4 lb
Size (h x w x d)	7.1 x 5.9 x 6.7 inch	7.1 x 5.9 x 6.7 inch
Noise level	41/44.5 dB(A)	41/44.5 dB(A)
Material	Powder painted steel	Powder painted steel
Air capacity	75 CFM	75 CFM
Humidification capacity	3.3 – 5.5 lb/hr	6.6 – 11 lb/hr
Operating pressure	500 – 1000 psi	500 – 1000 psi
Fan	Axial fan	Axial fan
Approvals (fan)	CE	CE
Connection, water	1/16" ML High pressure hose	1/16" ML High pressure hose
Connection, electricity	Connect to switch according to regulations; supplied with approx. 1 m cable 2 x 0.75 mm ²	Connect to switch according to regulations; supplied with approx. 1 m cable 2 x 0.75 mm ²
Power consumption	24 VAC, 50/60 Hz, 15/16 W, IP55	24 VAC, 50/60 Hz, 15/16 W, IP55
Min. room height	8.0 ft.	8.0 ft.
Min. distance to ceiling	10"	10"
Min. clearance in front of nozzle	9.8 ft.	9.8 ft.
Colour	White / Grey / Black	White / Grey / Black
Nozzles	3.3 and 5.5 lb/hr	3.3 and 5.5 lb/hr
Suspension from wall or ceiling	Wall or ceiling	Wall or ceiling

Noise level

Sound power (LWA) 56.0 dB(A).

Converted to the noise level in free field:

Distance to unit	3 ft. 3 3/8 inch	6 ft. 6 47/64 inch	9 ft. 10 7/64 inch	16 ft. 4 27/32 inch
dB(A)	45	40	35	31

As an option the fan speed is reduced.

Sound power (LWA) at 75% voltage is 48.0 dB(A).