



## Air/Water Atomizing Humidifier

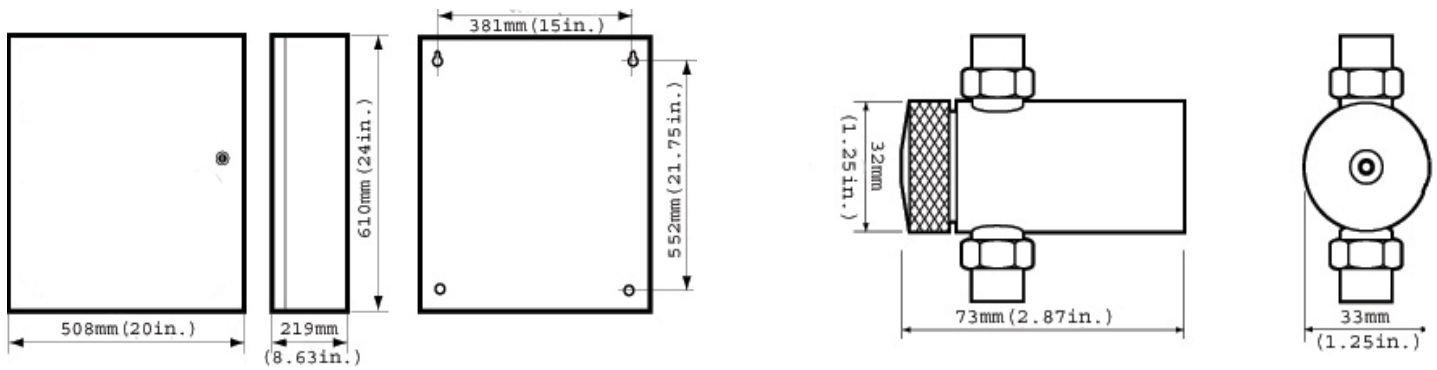
The mc represents the state of the art in air/water atomizing humidification systems. The atomizing heads are constructed of all stainless steel, ready for demineralized or standard water, and have an integral cleaning pin and shut-off seat for no drip, low maintenance operation. The mc produces a phenomenal 100:1 modulating turn down!

### FEATURES:

- 100% Stainless Steel Head Construction
- 10 Micron or Less Droplet Size
- Atomizing Head has 1 Moving Part - Extremely Low Maintenance
- Self-Cleaning Needle for Continuous Operation
- Pre-Built Stainless Steel AHU/Duct Manifolds
- The Only Non-Wetting Room Atomizing System
- Low Air Consumption (0.15 cfm per lb/hr)
- Operates at 5 psi Water Pressure
- Multiple Communication Capabilities (Modbus, BACnet, WebGate, etc.)

### APPLICATIONS:

- Printing, Woodworking, Textiles (Room or AHU)
- Clean Rooms (AHU)
- Museums, Libraries (AHU)
- Cold Storage (Room)
- Manufacturing, Warehouse (Room or AHU)
- Hospitals (AHU)



### Technical specifications:

Atomizing head capabilities	6, 9, 12, 15 lbs/hr (2.7, 4, 5.4, 6.8 kg/hr)
Atomizing head construction	Stainless steel parts, Viton o-rings
Control cabinet capacities	100, 500 lbs/hr (45, 227 kg/hr)
Control cabinet construction	16 gauge powder coated steel
Control cabinet rating	NEMA 1 (optional NEMA 4, NEMA 4X, Explosion Proof pneumatic)
Communication	RS422 serial ports, CAREL protocol, Gateways for Modbus, BACnet, Echelon, TCP/IP
Power supply	115/1/60 Vac, 75VA
Operating conditions	34° to 140°F (1° to 60°C)
Storage conditions	-4° to 160°F (-20° to 71°C)
Control cabinet input signals	0-1 Vdc, 0-10 Vdc, 4-20 mA dc Stand-alone system includes CAREL sensors for control, high limit, and air flow switch
Air pressure	50-100 psi (Minimum 3.4 bar to maximum 6.8 bar) entering, 30-55 psi (2-4 bar) leaving
Air connection	1/2" (12.7mm) copper socket
Feed air	Clean compressed air with 0.1 micron coalescing filter
Water pressure	15-100 psi (1 bar to maximum 6.8 bar), 2-10 psi (0.14 - 0.7 bar) leaving
Water connection	1/2" (12.7mm) PVC slip
Feed water	Standard or demineralized
Water drain	1/2" (12.7mm) PVC slip

Model selection					
MC	C	R	R	000	00
MC - MC AIR/WATER	C - Cabinet	(Type)	(Size)	(Cabinet Options)	(Version)
		R - Room on/off	R - Room on/off	000 - Standard	Internal Use Only
		M - Master	S - 0-100 lbs/hr	NE4 - NEMA 4	
		S - Slave	L - 100-500 lbs/hr	NEX - NEMA 4X	
				EXP - Explosion Proof (Room Only)	

Model selection				
MC	H	M	000	000
MC - MC AIR/WATER	H - Head	(Type)	(lbs/hr)	(Version)
		H - Head Only	006 - 6 lbs/hr	Internal Use Only
		M - Manifold	009 - 9 lbs/hr	
		S - Single Head Room Assembly	012 - 12 lbs/hr	
			015 - 15 lbs/hr	
D - Double Head Room Assembly				



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