

MeeFog™ Valve Panel



What it does:

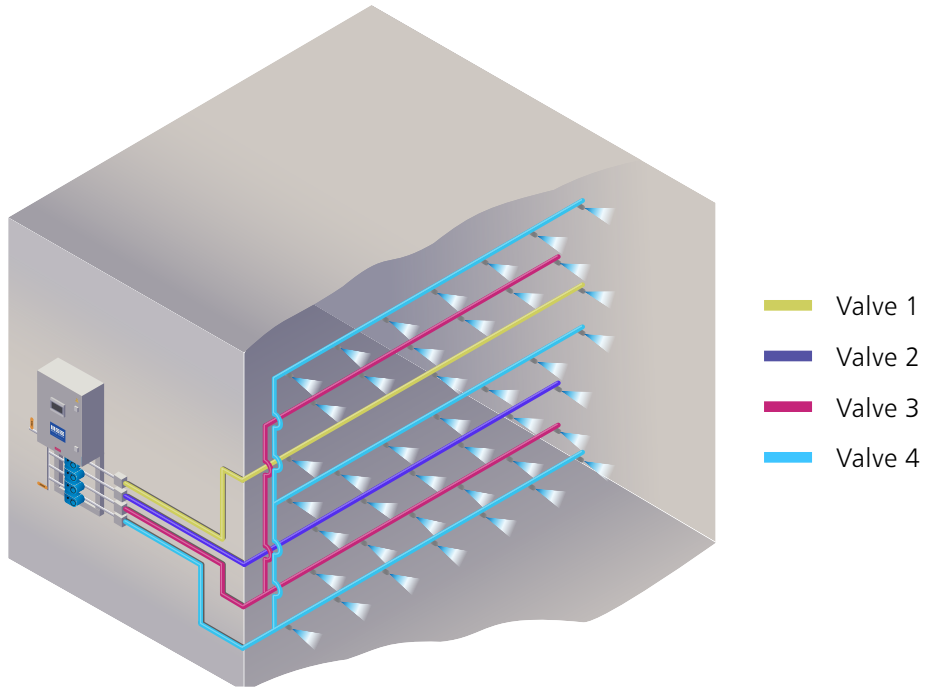
The valve panel is the humidity control center for the MeeFog™ system. A humidity demand signal is sent from the BMS to the PLC inside the valve panel. The PLC sequences the staging valves in order to control the humidity output inside the AHU.

Features:

- Up to 31 stages of fog output control.
- Motorized ball valves are slow closing to eliminate water hammer.
- Color touch-screen interface.
- Automatic sanitary flush cycle when inactive for a 24 hour period.
- PLC controls delays to prevent over-cycling.
- Humidity demand signal (4-20mA or 0-10 VDC).
- BACnet option available.

Valve Staging

# of Valves	Stages of Control
3	7
4	15
5	31



The MeeFog™ System can provide the precise control that your application requires. Valve Panels can be strategically located near the AHU. A single Pump Unit can supply high-pressure water to many Valve Panels thus providing precise humidity control to multiple AHUs.

Staging Schedule Example

Stage	Valve 1	Valve 2	Valve 3	Valve 4	Nozzles Qty.	Output #/hr	Net Output/Evap. Efficiency 75%	Capacity
1	On				3	48	36	7.1%
2		On			6	96	72	14.3%
3	On	On			9	144	108	21.4%
4			On		12	192	144	28.6%
5	On		On		15	240	180	35.7%
6		On	On		18	288	216	42.9%
7				On	21	336	252	50.0%
8	On			On	24	384	288	57.1%
9		On		On	27	432	324	64.3%
10	On	On		On	30	480	360	71.4%
11			On	On	33	528	396	78.6%
12	On		On	On	36	576	432	85.7%
13		On	On	On	39	624	468	92.9%
14	On	On	On	On	42	672	504	100.0%