



Humidification Systems: **AirMistRing**

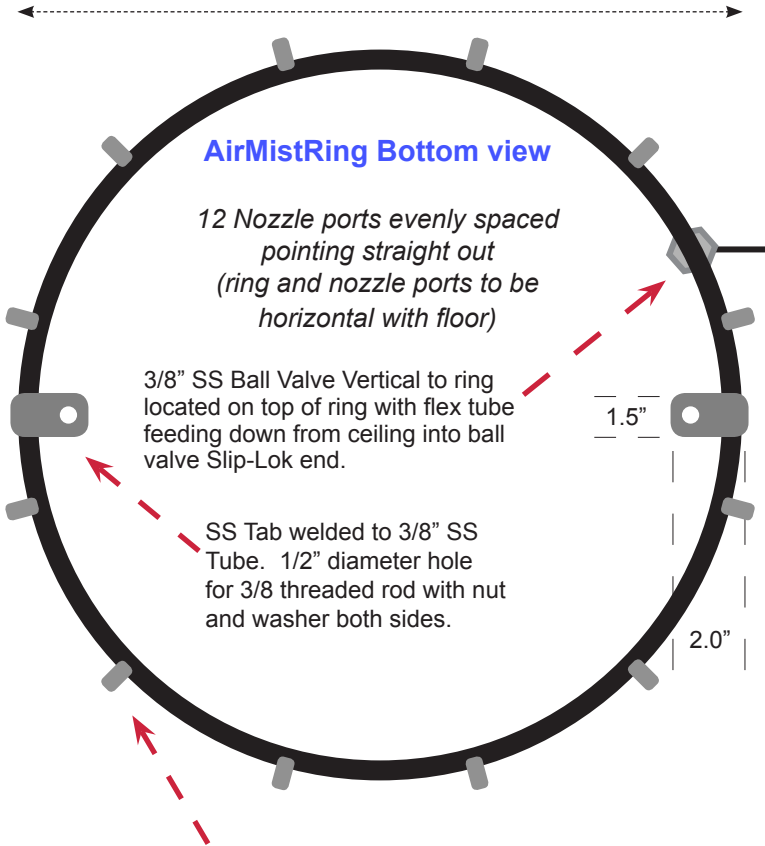
(30" Dia x 3/8 SS – 12 Nozzle Ports)

- High Pressure (1000 psi) Misting/Fogging Atomizing System (U.S. Manufactured)

Information / Specifications

(1 pg)

30" diameter x 3/8" Stainless Steel AirMist Ring (AMR)
Part # IHC-30AMR



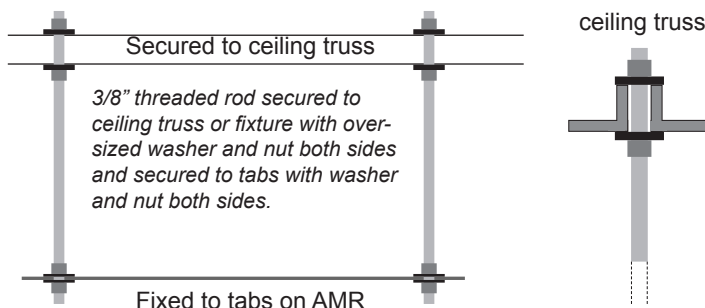
12 Nozzle ports positioned same as numbers on a clock. Each port accepts a 10/24 nozzle thread or 10/24 swivel adaptor thread to direct moisture in any direction either upwards, horizontal or downwards.



Nozzle Swivel Adaptors

(Part # IHC-NSA): Maximum 30° angle per adaptor – male and female 10/24 NPT ends – allows for either additional swivel adaptor or final nozzle to complete installation.

As Shown – Up to 90° with three swivel adaptors connected.



The AirMistRing (AMR) is a recent design innovation offered as an alternative to using mist rings attached to the face of the fan (FanMist); therefore no electrical is required.

Nozzles are located on 3/8" x 30" SS rings and hung suspended horizontal from ceiling fixtures at least 10-12' from floor level (minimum 15' ceiling) located over aisle ways for easy installation access.

High pressure (1000 psi) water is supplied to each ring via 3/8" nylon flexible tube feeding into the ball valve assembly Slip-Lok end located on the top of each ring.

AMR's are located where moisture plumes from each nozzle allow ten feet from each nozzle for complete evaporation within an obstacle free air space. Some nozzle ports may not be utilized due to close obstacles and potential condensation; therefore, nozzle plugs are included.

Threaded rod secured to tabs on the AMR and secured to ceiling fixtures are the suggested form for final installation per diagram as shown.

Nozzle ports are 10/24 NPT to receive nozzles and swivel adaptors. The swivel adaptor allows for any moisture plume to be pointed in any direction within a 30° angle. Use up to three adaptors for up to 90° adjustment to control maximum direction of moisture plumes.

Moisture Output Per AMR (12 nozzle ports):

- 7.94 lbs/hr nozzles = 95.3 lbs/hr/ring (0.19 gpm).
- 5.29 lbs/hr nozzles = 63.5 lbs/hr/ring (0.127 gpm).

Note: Install nozzles & adaptors finger tight only!

Suggested Configuration for Nozzles (positioned identical to numbers on a clock):

- 12, 3, 6 and 9 positions – nozzles pointed straight out (parallel with floor using no adaptors).
- 1, 4, 7 and 10 positions – nozzles pointed upwards at 30-90° (using 1-3 adaptors per nozzle).
- 2, 5, 8 and 11 o'clock positions – nozzles pointed downwards at between 30-90° (using 1-3 adaptors per nozzle).

Note: All AMR's include Swivel Adaptors to all allow final nozzle pointing up to 90° angle.