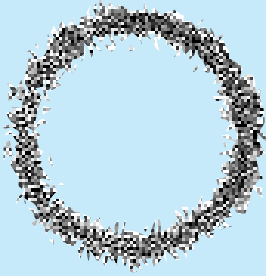


HOLLOW CONE NOZZLES

A circular ring of liquid is formed when liquid is channelled by a tangential flow path which causes swirl and atomisation into a hollow cone pattern.

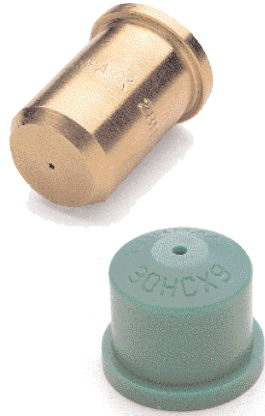


Spray Footprint

Hen Battery cages



Hollow Cone HAF and HCX Series



TYPICAL APPLICATIONS

- * Humidification
- * Evaporative cooling
- * Odour control
- * Gas scrubbing
- * Gas cooling
- * Insecticide spraying
- * Spray drying
- * Filter cage washing
- * Dust suppression
- * Fire protection

SPRAY CHARACTERISTICS

- * Available in 80° angle at 3 bar (angle may vary with pressure)
- * Low impact spray of fine droplets
- * Hollow cone spray pattern

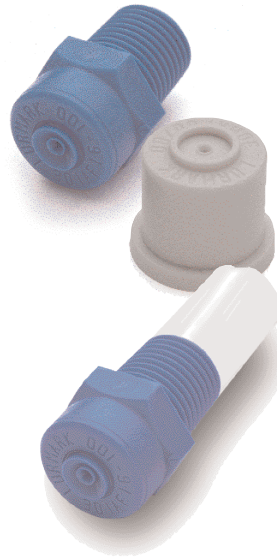
CONSTRUCTION

- * All tips are fully interchangeable.
- * Tips can be assembled in a 4-piece unit design comprising of nozzle body, filter, tip and cap nut - refer to page 38 for more details.

MATERIALS

- * Standard materials are brass, Acetal and 316 stainless steel.

Hollow Cone Misting Nozzle Series



TYPICAL APPLICATIONS

- * Humidification
- * Evaporative cooling
- * Odour control
- * Dust suppression
- * Gas cooling
- * Cooling areas
- * Insecticide spraying
- * Disinfectant applications
- * Fire protection

SPRAY CHARACTERISTICS

- * Threaded version is available in 80°, 100° and 105° angle at 3 bar
- * Tip version is available in 70° to 110° angle at 3 bar
- * Very low impact spray of extremely fine droplets (VMD ca 50 µm)
- * Hollow cone spray pattern
- * Ball check version available in threaded design.

CONSTRUCTION

- * Two piece design in flanged tip or 1/8" threaded design
- * Optional push-fit porous filter manufactured in polyethylene available on request. This is designed to filter down to 50µm. Please quote part number **32195Q3269**.

MATERIAL

- * Standard material is Acetal.

Hollow Cone H Series



TYPICAL APPLICATIONS

- * Aeration
- * Cooling towers
- * Gas scrubbing
- * Degreasing
- * Dust suppression
- * Humidification
- * Roof cooling
- * Evaporative coolers
- * Metal pre-treatment
- * Brine spraying

SPRAY CHARACTERISTICS

- * Available in 70° or 110° angle at 3 bar
- * Low impact spray of fine droplets
- * Hollow cone spray pattern

CONSTRUCTION

- * Two piece design with no internal parts, hence less likely to block. The swirl chamber is designed with an evenly tapered bottom to prevent erosion from liquid.
- * Right angled spray
- * Square body for easy installation


MATERIALS

- * Standard materials are brass, 316 stainless steel, PVC, polypropylene.

Refer to page 23 for flow rate chart

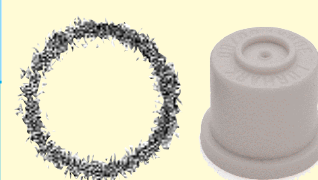
HAF AND HCX SERIES (HOLLOW CONE) - FLOW CHART

| | | | | | | | | | | Angle @ 3 bar |
|--|--|--|--|--|--|--|--|--|--|---------------|
| | | | | | | | | | | |
| | | | | | | | | | | |



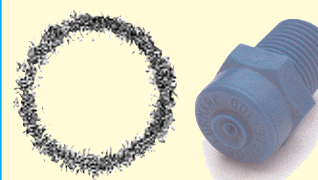
HAF MISTING NOZZLES SERIES (HOLLOW CONE) - FLOW CHART

| TIP PART NO. | Colours | Flow rate (L/h) @ Pressure (bar) | | | | | Angle @ 3 bar |
|--------------|------------|----------------------------------|------|------|------|-------|---------------|
| | | 3 | 4 | 5 | 7 | 10 | |
| 30HAF007-80 | Light Grey | 2.76 | 3.19 | 3.57 | 4.22 | 5.05 | 80 |
| 30HAF01-110 | White | 3.95 | 4.56 | 5.10 | 6.03 | 7.21 | 110 |
| 30HAF014-80 | Mint Green | 5.53 | 6.38 | 7.14 | 8.44 | 10.09 | 80 |
| 30HAF015-70 | White | 5.92 | 6.84 | 7.65 | 9.05 | 10.81 | 70 |



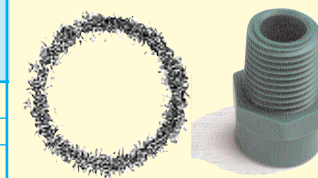
AF MISTING NOZZLES THREADED SERIES (HOLLOW CONE) - FLOW CHART

| NOZZLE PART NO. | Colours | Flow rate (L/h) @ Pressure (bar) | | | | | Angle @ 7 bar |
|-----------------|------------|----------------------------------|------|------|------|-------|---------------|
| | | 3 | 4 | 5 | 7 | 10 | |
| 30AIAF007-80 | Light Grey | 2.76 | 3.19 | 3.57 | 4.22 | 5.05 | 80 |
| 30AIAF1-2-105C | Cream | 4.74 | 5.47 | 6.12 | 7.24 | 8.65 | 105 |
| 30AIAF1-6-100 | Royal Blue | 6.32 | 7.29 | 8.16 | 9.65 | 11.53 | 100 |



HV MISTING NOZZLES THREADED HIGH PRESSURE SERIES (HOLLOW CONE) - FLOW CHART

| NOZZLE PART NO. | Colours | Flow rate (L/h) @ Pressure (bar) | | | | | Angle @ 70 bar |
|-----------------|---------|----------------------------------|------|------|-------|-------|----------------|
| | | 10 | 20 | 40 | 70 | 80 | |
| 30AIAHV1-110 | Red | 1.44 | 2.04 | 2.88 | 3.81 | 4.08 | 110 |
| 30AIAHV2-110 | Orange | 2.88 | 4.08 | 5.77 | 7.63 | 8.16 | 110 |
| 30AIAHV3-110 | R Green | 4.32 | 6.12 | 8.65 | 11.44 | 12.23 | 110 |



H SERIES NOZZLES SERIES (HOLLOW CONE) - FLOW CHART

| | | | | | | | | | | Angle @ 3 bar |
|--|--|--|--|--|--|--|--|--|--|---------------|
| | | | | | | | | | | |
| | | | | | | | | | | |

