



Spray Nozzles & Systems for Pharmaceutical Industry





A World Class Indian Spray Nozzle Manufacturer

Spraytech Systems (India) Pvt. Ltd. was started by Shri. Bapusaheb Kharade, in early 2000 as a Spray Nozzle Manufacturer for replacement market catering to Steel Industries. Primarily company was started in a 1000 sq. feet workshop & within a decade it is elaborated to 7000 sq. feet modern factory. An another factory is started at Indapur 100 kms. away from Pune with a area of 2,00,000 sq. feet is again a big achievement for the Organisation. Recently Spraytech has started one another factory at Rabale (Navi Mumbai) with area of 13000 sq. feet. All three factories are facilitated with next generation class CNC machines, heavy material handling equipments to serve raising market demands with no compromise with world class product quality. Along with this field of engineering we are entered in forging to serve respective product demands.

"Spraytech" is a leading organisation & a good name in the market for mfg. of Spray Nozzles.

We attribute our success to our motivated and skilled work force who can accomplish job orders of varying magnitudes and complexities. We are proud to have esteemed customers who have entrusted their faith in us over the years.

The aim of our organization is customer satisfaction which is achieved through following objectives: Commitment to quality, Prompt response, Technological solutions, On time delivery, After sales service.

Our challenge is to meet the widely ranging delivery demands of an equally diverse customer base coupled with constant upgradation of production equipment and techniques to keep pace with new market trends and applications.

Air Atomizing Design, Features & Introduction

Air atomizing spray nozzles produce fine mist spray with the help of compressed air, liquid breaks into small droplets as air provides shearing effects on liquid droplets. Various spray patterns are available, they are categorized into Flat and Round spray patterns. The droplet size can be adjusted by flow adjustment of compressed air. Air atomizing nozzles are divided into two types Internal and External mix air atomizing nozzles. These are available in various metals.

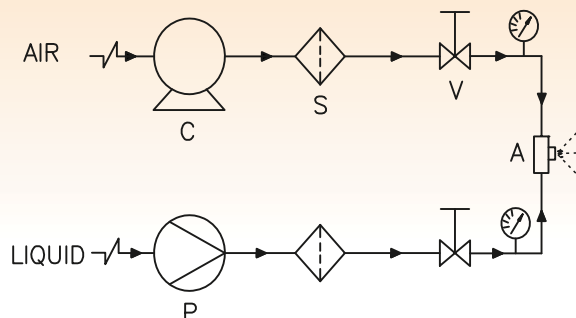
An air atomizing spray nozzle can work on three principles as below:

- 1) Pressure Principle
- 2) SIPHON Principle
- 3) Gravity Head Principle



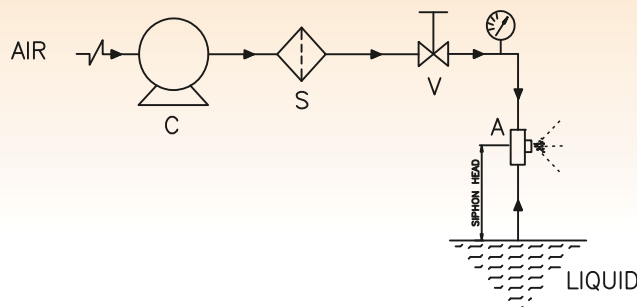
1) Pressure Principle

Liquid is supplied in pressurized form with the help of pump or pressurized container, separate compressed air is needed.



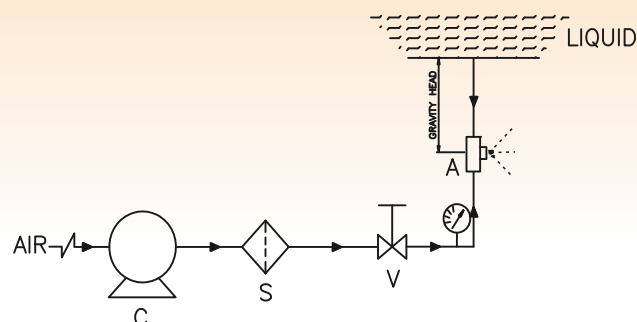
2) Siphon Principle

Siphon principle is utilized to lift liquid from certain height from spray nozzle, suitable where pump or pressurized container of liquid is not available.



3) Gravity head Principle

Gravitational head of liquid is utilized to feed liquid to the spray nozzle, suitable where pump or pressurized container of liquid is not available.

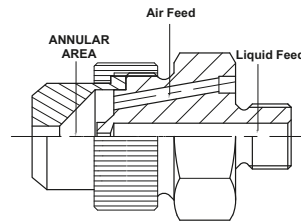


Choice of spray Nozzles

Each spray set-ups consists of an air cap and liquid cap which provide a specific spray pattern capacity and coverage performance

Inside Body Mixing

Liquid and air streams meet within nozzle and are mixed together and expelled through the same orifice. This internal mixing means the streams are not independent; a change in air flow will affect the liquid flow. This makes precise metering of the liquid more difficult than with an External Mix Set-up. Internal Mix set-up are able to produce the finest atomization of any of the XA set-ups, but they are generally not suitable for use with liquids which have a viscosity that is above 200 centipoise.

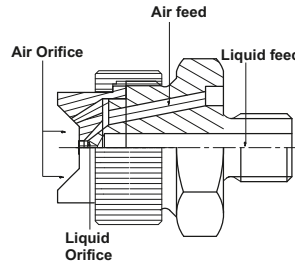


Internal Mix Set-Ups

Air & Liquid mix inside the nozzle

Out Side Body Mixing

The air and liquid streams exit the nozzle independently and are combined and mixed outside of the nozzles. Because there is no connection between the air and liquid lines within the nozzles, the air and liquid flow rates can be controlled independently, allowing precise metering of the liquid. The atomization can be controlled by adjusting the air flow rate more air produces finer atomization. In most cases these set-up do not atomize as finely as Internal Mix Set-ups.



External Mix Set-Ups

Air & Liquid exit independently and combine outside the nozzle

External Mix Set-up may be used with liquid having a viscosity above 200 centipoise and for abrasive suspensions. Spraytech provides Engineering guidance for spraying high viscosity liquids.

| Applications | Optional Features | Material Code |
|--|---|--|
| <ol style="list-style-type: none"> 1. Tablet Coating 2. Thin Film Coating 3. Humidification 4. Paper Moisturising 5. Dust Suppression | <ol style="list-style-type: none"> 1. Manual Shut-off / Cleaning Needle 2. Automatic self Cleaning Needle 3. Auto shut-off Arrangement | <p>M1 = SS303/SS304 M2 = SS316/ M2L = SS316 L M3 = Brass (Nickel Plating on Request) M4 = SS410/ M4-3=SS310</p> |

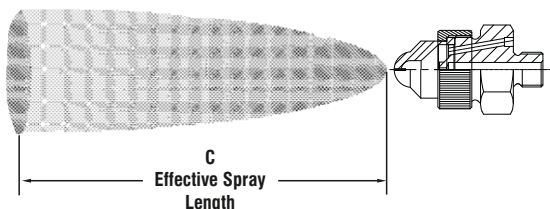


CAIA Series Flat Internal Air Atomizing Spray Nozzles



DESIGN / SPRAY CHARACTERISTICS

- Internal mix • Very fine atomization
- Flat fan, wide angle spray patterns (range 45° to 120°)



Flow Rates and Dimensions

Pressure-fed, Internal Mix, Flat Spray Pattern, 1/8" and 1/4" Pipe Sizes, BSP or NPT

| Pipe Size | Model No. | 0.7 Bar Liquid | | | 1.5 Bar Liquid | | | 2.0 Bar Liquid | | | 3.0 Bar Liquid | | | 4.0 Bar Liquid | | | Spray Dimensions | |
|------------|-----------|----------------|-----|--------------------|----------------|------|--------------------|----------------|------|--------------------|----------------|------|--------------------|----------------|------|--------------------|---------------------------------|---------------------------------|
| | | Air (bar) | l/h | Nm ³ /h | Air (bar) | l/h | Nm ³ /h | Air (bar) | l/h | Nm ³ /h | Air (bar) | l/h | Nm ³ /h | Air (bar) | l/h | Nm ³ /h | "C" Effective Spray Length (mm) | Max. Spray Length (m) |
| 1/8 or 1/4 | CAIA 050 | 0.7 | 5.5 | 1.44 | 1.3 | 9.1 | 1.86 | 2.0 | 8.6 | 2.52 | 2.7 | 11.2 | 3.12 | 3.9 | 12.0 | 4.14 | 460 660 760 860 940 | 2.6 3.0 3.2 3.4 4.0 |
| | | 0.9 | 4.7 | 1.62 | 1.5 | 7.7 | 2.16 | 2.2 | 7.5 | 2.82 | 3.0 | 10.1 | 3.36 | 4.6 | 9.7 | 4.86 | | |
| | | 1.0 | 4.1 | 1.86 | 1.8 | 6.5 | 2.52 | 2.5 | 6.2 | 3.12 | 3.2 | 9.1 | 3.72 | 5.3 | 7.5 | 5.58 | | |
| | | 1.1 | 3.5 | 2.04 | 2.1 | 5.4 | 2.82 | 2.8 | 5.2 | 3.42 | 3.5 | 8.1 | 3.96 | 6.0 | 5.3 | 6.24 | | |
| | | 1.3 | 3.0 | 2.22 | 2.4 | 4.3 | 3.12 | 3.1 | 4.2 | 3.78 | 4.2 | 5.4 | 4.74 | 6.3 | 4.3 | 6.60 | | |
| | | 1.4 | 2.5 | 2.40 | 2.7 | 3.3 | 3.42 | 3.2 | 3.7 | 3.90 | 4.6 | 4.2 | 5.10 | 6.7 | 3.3 | 6.96 | | |
| 1/8 or 1/4 | CAIA 100 | 1.5 | 2.0 | 2.64 | 2.8 | 2.8 | 3.60 | 3.4 | 3.2 | 4.08 | 4.9 | 3.1 | 5.46 | 7.0 | 2.4 | 7.32 | 460 690 740 940 970 | 1.8 2.0 2.0 2.1 2.3 |
| | | 1.3 | 3.9 | 1.80 | 2.1 | 7.4 | 2.40 | 3.0 | 6.1 | 3.12 | 3.9 | 9.4 | 3.60 | 5.3 | 10.2 | 4.68 | | |
| | | 1.4 | 3.0 | 1.98 | 2.4 | 5.3 | 2.70 | 3.1 | 5.3 | 3.24 | 4.2 | 7.2 | 4.02 | 5.6 | 8.3 | 5.04 | | |
| | | 1.5 | 2.3 | 2.10 | 2.5 | 4.4 | 2.82 | 3.2 | 4.5 | 3.42 | 4.6 | 5.3 | 4.38 | 6.0 | 6.6 | 5.34 | | |
| | | 1.7 | 1.8 | 2.28 | 2.7 | 3.7 | 3.00 | 3.4 | 3.8 | 3.54 | 4.9 | 3.8 | 4.80 | 6.3 | 5.1 | 5.88 | | |
| | | 1.8 | 1.3 | 2.46 | 2.8 | 3.1 | 3.12 | 3.5 | 3.2 | 3.72 | 3.9 | 1.8 | 4.08 | | | | | |
| 1/8 or 1/4 | CAIA 150 | 2.0 | 1.0 | 2.64 | 3.0 | 2.6 | 3.30 | 3.9 | 1.8 | 4.08 | | | | | | | 710 810 890 970 970 | 2.1 2.4 2.6 2.7 3.2 |
| | | 0.9 | 8.2 | 1.20 | 1.4 | 14.4 | 1.62 | 2.1 | 13.5 | 2.16 | 2.7 | 19.1 | 2.52 | 4.6 | 16.1 | 4.14 | | |
| | | 1.0 | 6.8 | 1.38 | 1.7 | 11.9 | 1.92 | 2.4 | 11.4 | 2.52 | 3.0 | 17.1 | 2.76 | 4.9 | 13.8 | 4.56 | | |
| | | 1.1 | 5.5 | 1.62 | 2.0 | 9.5 | 2.22 | 2.7 | 9.2 | 2.82 | 3.2 | 15.1 | 3.12 | 5.3 | 11.5 | 4.98 | | |
| | | 1.3 | 4.1 | 1.80 | 2.1 | 8.3 | 2.40 | 3.0 | 7.1 | 3.18 | 3.5 | 13.1 | 3.42 | 5.6 | 9.3 | 5.40 | | |
| | | 1.4 | 2.9 | 2.04 | 2.2 | 7.1 | 2.58 | 3.2 | 5.0 | 3.54 | 4.2 | 8.1 | 4.32 | 6.0 | 7.3 | 5.82 | | |
| 1/8 or 1/4 | CAIA 200 | 2.4 | 6.1 | 2.76 | 2.4 | 6.1 | 2.76 | 3.4 | 4.0 | 3.78 | 4.6 | 5.9 | 4.74 | 6.3 | 5.6 | 6.24 | 170 200 220 280 330 | 3.0 3.7 4.0 4.2 4.8 |
| | | 0.9 | 8.2 | 1.20 | 1.4 | 14.4 | 1.62 | 2.1 | 13.5 | 2.16 | 2.7 | 19.1 | 2.52 | 4.6 | 16.1 | 4.14 | | |
| | | 1.0 | 6.8 | 1.38 | 1.7 | 11.9 | 1.92 | 2.4 | 11.4 | 2.52 | 3.0 | 17.1 | 2.76 | 4.9 | 13.8 | 4.56 | | |
| | | 1.1 | 5.5 | 1.62 | 2.0 | 9.5 | 2.22 | 2.7 | 9.2 | 2.82 | 3.2 | 15.1 | 3.12 | 5.3 | 11.5 | 4.98 | | |
| | | 1.3 | 4.1 | 1.80 | 2.1 | 8.3 | 2.40 | 3.0 | 7.1 | 3.18 | 3.5 | 13.1 | 3.42 | 5.6 | 9.3 | 5.40 | | |
| | | 1.4 | 2.9 | 2.04 | 2.2 | 7.1 | 2.58 | 3.2 | 5.0 | 3.54 | 4.2 | 8.1 | 4.32 | 6.0 | 7.3 | 5.82 | | |
| 1/8 or 1/4 | CAIA 250 | 2.4 | 6.1 | 2.76 | 2.4 | 6.1 | 2.76 | 3.4 | 4.0 | 3.78 | 4.6 | 5.9 | 4.74 | 6.3 | 5.6 | 6.24 | 400 460 480 | 3.4 3.5 4.0 |
| | | 0.9 | 8.2 | 1.20 | 1.4 | 14.4 | 1.62 | 2.1 | 13.5 | 2.16 | 2.7 | 19.1 | 2.52 | 4.6 | 16.1 | 4.14 | | |
| | | 1.0 | 6.8 | 1.38 | 1.7 | 11.9 | 1.92 | 2.4 | 11.4 | 2.52 | 3.0 | 17.1 | 2.76 | 4.9 | 13.8 | 4.56 | | |
| | | 1.1 | 5.5 | 1.62 | 2.0 | 9.5 | 2.22 | 2.7 | 9.2 | 2.82 | 3.2 | 15.1 | 3.12 | 5.3 | 11.5 | 4.98 | | |
| | | 1.3 | 4.1 | 1.80 | 2.1 | 8.3 | 2.40 | 3.0 | 7.1 | 3.18 | 3.5 | 13.1 | 3.42 | 5.6 | 9.3 | 5.40 | | |
| | | 1.4 | 2.9 | 2.04 | 2.2 | 7.1 | 2.58 | 3.2 | 5.0 | 3.54 | 4.2 | 8.1 | 4.32 | 6.0 | 7.3 | 5.82 | | |
| 1/8 or 1/4 | CAIA 300 | 2.5 | 5.1 | 2.94 | 3.1 | 2.1 | 3.42 | 3.5 | 3.3 | 3.96 | 4.9 | 4.0 | 5.16 | 6.7 | 4.3 | 6.72 | 300 410 430 480 510 | 3.4 3.5 3.7 3.8 4.4 |
| | | 0.9 | 8.2 | 1.20 | 1.4 | 14.4 | 1.62 | 2.1 | 13.5 | 2.16 | 2.7 | 19.1 | 2.52 | 4.6 | 16.1 | 4.14 | | |
| | | 1.0 | 6.8 | 1.38 | 1.7 | 11.9 | 1.92 | 2.4 | 11.4 | 2.52 | 3.0 | 17.1 | 2.76 | 4.9 | 13.8 | 4.56 | | |
| | | 1.1 | 5.5 | 1.62 | 2.0 | 9.5 | 2.22 | 2.7 | 9.2 | 2.82 | 3.2 | 15.1 | 3.12 | 5.3 | 11.5 | 4.98 | | |
| | | 1.3 | 4.1 | 1.80 | 2.1 | 8.3 | 2.40 | 3.0 | 7.1 | 3.18 | 3.5 | 13.1 | 3.42 | 5.6 | 9.3 | 5.40 | | |
| | | 1.4 | 2.9 | 2.04 | 2.2 | 7.1 | 2.58 | 3.2 | 5.0 | 3.54 | 4.2 | 8.1 | 4.32 | 6.0 | 7.3 | 5.82 | | |
| 1/8 or 1/4 | CAIA 350 | 2.5 | 5.1 | 2.94 | 3.1 | 2.1 | 3.42 | 3.5 | 3.3 | 3.96 | 4.9 | 4.0 | 5.16 | 6.7 | 4.3 | 6.72 | 150 170 220 280 350 | 2.4 3.0 3.4 3.6 4.0 |
| | | 0.9 | 8.2 | 1.20 | 1.4 | 14.4 | 1.62 | 2.1 | 13.5 | 2.16 | 2.7 | 19.1 | 2.52 | 4.6 | 16.1 | 4.14 | | |
| | | 1.0 | 6.8 | 1.38 | 1.7 | 11.9 | 1.92 | 2.4 | 11.4 | 2.52 | 3.0 | 17.1 | 2.76 | 4.9 | 13.8 | 4.56 | | |
| | | 1.1 | 5.5 | 1.62 | 2.0 | 9.5 | 2.22 | 2.7 | 9.2 | 2.82 | 3.2 | 15.1 | 3.12 | 5.3 | 11.5 | 4.98 | | |
| | | 1.3 | 4.1 | 1.80 | 2.1 | 8.3 | 2.40 | 3.0 | 7.1 | 3.18 | 3.5 | 13.1 | 3.42 | 5.6 | 9.3 | 5.40 | | |
| | | 1.4 | 2.9 | 2.04 | 2.2 | 7.1 | 2.58 | 3.2 | 5.0 | 3.54 | 4.2 | 8.1 | 4.32 | 6.0 | 7.3 | 5.82 | | |
| 1/8 or 1/4 | CAIA 400 | 2.5 | 5.1 | 2.94 | 3.1 | 2.1 | 3.42 | 3.5 | 3.3 | 3.96 | 4.9 | 4.0 | 5.16 | 6.7 | 4.3 | 6.72 | 250 430 460 530 580 | 3.4 3.8 4.3 4.6 5.2 |
| | | 0.9 | 8.2 | 1.20 | 1.4 | 14.4 | 1.62 | 2.1 | 13.5 | 2.16 | 2.7 | 19.1 | 2.52 | 4.6 | 16.1 | 4.14 | | |
| | | 1.0 | 6.8 | 1.38 | 1.7 | 11.9 | 1.92 | 2.4 | 11.4 | 2.52 | 3.0 | 17.1 | 2.76 | 4.9 | 13.8 | 4.56 | | |
| | | 1.1 | 5.5 | 1.62 | 2.0 | 9.5 | 2.22 | 2.7 | 9.2 | 2.82 | 3.2 | 15.1 | 3.12 | 5.3 | 11.5 | 4.98 | | |
| | | 1.3 | 4.1 | 1.80 | 2.1 | 8.3 | 2.40 | 3.0 | 7.1 | 3.18 | 3.5 | 13.1 | 3.42 | 5.6 | 9.3 | 5.40 | | |
| | | 1.4 | 2.9 | 2.04 | 2.2 | 7.1 | 2.58 | 3.2 | 5.0 | 3.54 | 4.2 | 8.1 | 4.32 | 6.0 | 7.3 | 5.82 | | |

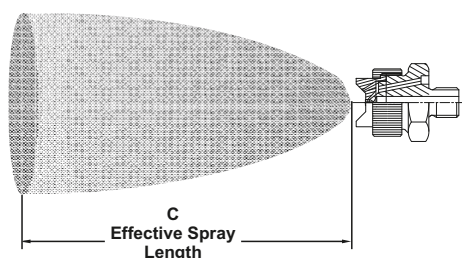
Standard Materials: Nickel-plated Brass, 303 Stainless Steel and 316 Stainless Steel.

CAEA Series Flat External Air Atomizing Spray Nozzles



DESIGN / SPRAY CHARACTERISTICS

- External mix: allows spraying of viscous materials
- Variable atomization
- Moderate spray angle (range 60°- 90°)
- Precise metering of the liquid flow rate



Flow Rates and Dimensions

Pressure fed / Siphon-fed, External Mix, Flat Spray Pattern, 1/8" and 1/4" Pipe Sizes, BSP or NPT

| Pipe Size | Model No. | 0.7 Bar Liquid | | | 1.5 Bar Liquid | | | 2.0 Bar Liquid | | | 3.0 Bar Liquid | | | 4.0 Bar Liquid | | | Spray Dimensions | |
|------------|-----------|----------------|-----|--------------------|----------------|-----|--------------------|----------------|-----|--------------------|----------------|-----|--------------------|----------------|-----|--------------------|---|---|
| | | Air (bar) | l/h | Nm ³ /h | Air (bar) | l/h | Nm ³ /h | Air (bar) | l/h | Nm ³ /h | Air (bar) | l/h | Nm ³ /h | Air (bar) | l/h | Nm ³ /h | "C" Effective Spray Length(mm) | Max. Spray Length (m) |
| 1/8 or 1/4 | CAEA 050 | 0.4 | 3 | 1.32 | 0.4 | 4 | 1.32 | 0.4 | 5 | 1.50 | 0.6 | 8 | 1.68 | 0.7 | 11 | 2.04 | 330 400 460 430 410 480 510 | 1.2 1.8 1.8 2.4 2.7 2.6 2.7 |
| | | 0.4 | | 1.50 | 0.6 | | 1.50 | 0.6 | | 1.68 | 0.7 | | 2.04 | 1.1 | | 2.70 | | |
| | | 0.5 | | 1.62 | 0.6 | | 1.68 | 0.7 | | 2.04 | 1.1 | | 2.70 | 1.8 | | 3.72 | | |
| | | 0.6 | | 1.68 | 0.7 | | 2.04 | 0.9 | | 2.40 | 1.4 | | 3.24 | 2.5 | | 4.74 | | |
| 1/8 or 1/4 | CAEA 100 | 0.2 | 3 | 1.51 | 0.4 | 4 | 1.58 | 0.7 | 5 | 1.87 | 1.4 | 8 | 2.72 | 2.8 | 11 | 4.38 | 230 230 230 250 240 280 240 | 0.9 1.2 1.2 1.5 1.5 1.8 2.4 |
| | | 0.4 | | 1.58 | 0.7 | | 1.87 | 1.1 | | 2.38 | 1.8 | | 3.23 | 3.5 | | 5.10 | | |
| | | 0.7 | | 1.87 | 1.1 | | 2.38 | 1.4 | | 2.72 | 2.1 | | 3.57 | 4.2 | | 6.12 | | |
| | | 1.1 | | 2.38 | 1.4 | | 3.23 | 1.8 | | 3.23 | 2.8 | | 4.42 | 4.9 | | 7.14 | | |
| | | 1.4 | | 2.72 | 1.8 | | 3.23 | 2.1 | | 3.56 | 3.5 | | 5.10 | 5.3 | | 7.65 | | |
| | | 1.8 | | 3.23 | 2.1 | | 3.56 | 2.8 | | 4.42 | 4.2 | | 6.12 | 5.6 | | 8.34 | | |
| 1/8 or 1/4 | CAEA 150 | 0.4 | 5 | 1.32 | 0.4 | 6 | 1.32 | 0.6 | 8 | 1.68 | 0.7 | 12 | 2.04 | 1.1 | 17 | 2.70 | 400 480 580 560 510 580 660 | 1.5 2.1 1.8 2.4 3.0 2.7 2.9 |
| | | 0.6 | | 1.68 | 0.7 | | 2.04 | 0.7 | | 2.04 | 1.4 | | 3.24 | 1.4 | | 3.24 | | |
| | | 0.7 | | 2.04 | 1.1 | | 2.70 | 1.4 | | 3.24 | 2.1 | | 4.26 | 2.1 | | 4.26 | | |
| | | 1.1 | | 2.70 | 1.4 | | 3.24 | 2.1 | | 4.26 | 2.5 | | 4.74 | 2.5 | | 4.74 | | |
| 1/8 or 1/4 | CAEA 200 | 0.4 | 5 | 1.58 | 0.7 | 6 | 1.87 | 1.1 | 8 | 2.38 | 1.8 | 12 | 3.23 | 3.2 | 17 | 4.92 | 220 220 230 290 250 300 250 | 1.0 1.7 1.8 2.1 1.8 2.4 3.0 |
| | | 0.7 | | 1.87 | 1.1 | | 2.38 | 1.4 | | 2.72 | 2.1 | | 3.56 | 3.5 | | 5.10 | | |
| | | 1.1 | | 2.38 | 1.4 | | 2.72 | 1.8 | | 3.23 | 2.8 | | 4.42 | 4.2 | | 6.12 | | |
| | | 1.4 | | 2.72 | 1.8 | | 3.23 | 2.1 | | 3.56 | 3.5 | | 5.10 | 4.9 | | 7.14 | | |
| | | 1.8 | | 3.23 | 2.1 | | 3.56 | 2.8 | | 4.42 | 4.2 | | 6.12 | 5.3 | | 7.62 | | |
| | | 2.1 | | 3.56 | 2.8 | | 4.42 | 3.5 | | 5.10 | 4.9 | | 7.14 | 6.3 | | 9.54 | | |
| | | 2.1 | | 3.56 | 2.8 | | 4.42 | 3.5 | | 5.10 | 4.9 | | 7.14 | 6.3 | | 9.54 | | |
| | | 2.8 | | 4.42 | 3.5 | | 5.10 | 4.2 | | 6.12 | 6.3 | | 9.54 | 6.7 | | 9.84 | | |
| 1/8 or 1/4 | CAEA 250 | 0.4 | 9 | 1.50 | 0.4 | 10 | 1.50 | 0.4 | 16 | 1.50 | 0.7 | 23 | 2.04 | 1.4 | 33 | 3.24 | 610 630 630 660 660 690 690 | 1.8 1.5 1.8 2.1 2.4 2.7 2.9 |
| | | 0.5 | | 1.65 | 0.6 | | 1.68 | 0.6 | | 1.68 | 0.9 | | 2.40 | 1.8 | | 3.72 | | |
| | | 0.6 | | 1.68 | 0.7 | | 1.86 | 0.7 | | 1.1 | 1.1 | | 2.70 | 2.1 | | 4.26 | | |
| | | 0.7 | | 2.04 | 0.7 | | 2.04 | 0.9 | | 1.4 | 1.4 | | 3.24 | 2.5 | | 4.74 | | |
| 1/8 or 1/4 | CAEA 300 | 0.7 | 9 | 1.87 | 1.1 | 10 | 2.38 | 1.4 | 16 | 2.72 | 2.5 | 23 | 4.08 | 3.5 | 33 | 5.10 | 250 250 240 320 300 360 300 | 1.2 1.8 1.8 1.8 2.3 3.0 4.0 |
| | | 1.1 | | 2.38 | 1.4 | | 2.72 | 1.8 | | 3.23 | 2.8 | | 4.42 | 4.2 | | 6.12 | | |
| | | 1.4 | | 2.72 | 1.8 | | 3.23 | 2.1 | | 3.56 | 3.5 | | 5.10 | 4.9 | | 7.14 | | |
| | | 1.8 | | 3.23 | 2.1 | | 3.56 | 2.8 | | 4.42 | 4.2 | | 6.12 | 5.3 | | 7.62 | | |
| | | 2.1 | | 3.56 | 2.8 | | 4.42 | 3.5 | | 5.10 | 4.9 | | 7.14 | 5.6 | | 8.34 | | |
| | | 2.8 | | 4.42 | 3.5 | | 5.10 | 4.2 | | 6.12 | 5.6 | | 8.34 | 6.3 | | 9.54 | | |
| | | 3.5 | | 5.10 | 4.2 | | 6.12 | 4.9 | | 7.14 | 6.3 | | 9.54 | 7.0 | | 10.56 | | |
| | | 3.5 | | 5.10 | 4.2 | | 6.12 | 4.9 | | 7.14 | 6.3 | | 9.54 | 7.0 | | 10.56 | | |

Standard Materials: Nickel-plated Brass, 303 Stainless Steel and 316 Stainless Steel.

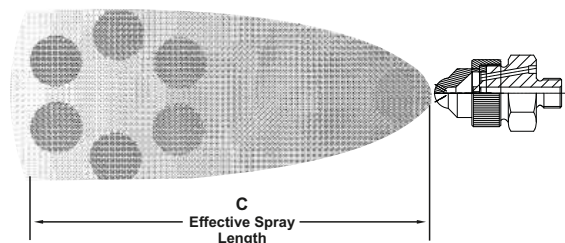
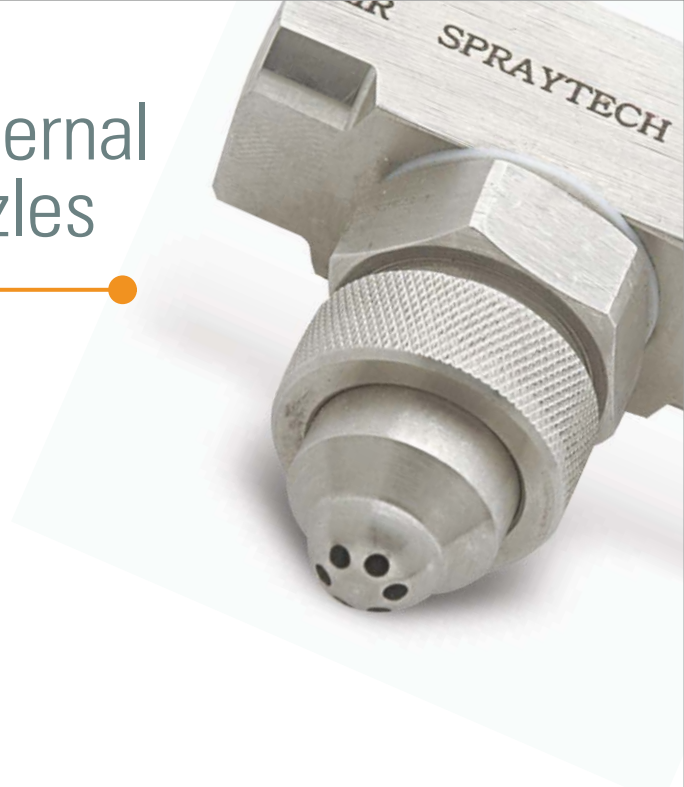
CAEA Series Flat External Air Atomizing Spray Nozzles



| Pipe Size | Model No. | 0.7 Bar Liquid | | | 1.5 Bar Liquid | | | 2.0 Bar Liquid | | | 3.0 Bar Liquid | | | 4.0 Bar Liquid | | | Spray Dimensions | |
|------------|-----------|----------------|-----|--------------------|----------------|-----|--------------------|----------------|-----|--------------------|----------------|-----|--------------------|----------------|-----|--------------------|--------------------------------|-----------------------|
| | | Air (bar) | l/h | Nm ³ /h | Air (bar) | l/h | Nm ³ /h | Air (bar) | l/h | Nm ³ /h | Air (bar) | l/h | Nm ³ /h | Air (bar) | l/h | Nm ³ /h | "C" Effective Spray Length(mm) | Max. Spray Length (m) |
| 1/8 or 1/4 | CAEA 350 | 0.6 | 13 | 5.46 | 0.7 | 16 | 6.12 | 1.4 | 25 | 9.36 | 2.1 | 37 | 12.6 | 3.2 | 52 | 17.1 | 480 | 3.8 |
| | | 0.7 | | 6.12 | 1.1 | | 7.80 | 2.1 | | 12.6 | 2.8 | | 15.6 | 4.2 | | 21.6 | 560 | 4.3 |
| | | 1.1 | | 7.80 | 1.8 | | 11.0 | 2.5 | | 14.1 | 3.5 | | 18.6 | 5.3 | | 25.8 | 580 | 4.0 |
| | | 1.4 | | 9.36 | 2.1 | | 12.6 | 2.8 | | 15.6 | 4.2 | | 21.6 | 5.6 | | 27.3 | 660 | 4.6 |
| 1/8 or 1/4 | CAEA 400 | 0.7 | 13 | 5.10 | 1.0 | 16 | 6.12 | 1.4 | 25 | 6.96 | 2.5 | 37 | 10.7 | 3.2 | 52 | 12.7 | 250 | 1.7 |
| | | 1.0 | | 6.12 | 1.4 | | 6.96 | 1.8 | | 8.34 | 2.8 | | 11.7 | 3.5 | | 13.9 | 250 | 2.7 |
| | | 1.4 | | 6.96 | 1.8 | | 8.34 | 2.1 | | 9.36 | 3.5 | | 13.6 | 3.9 | | 15.3 | 280 | 3.0 |
| | | 1.8 | | 8.34 | 2.1 | | 9.36 | 2.5 | | 10.7 | 4.2 | | 16.0 | 4.2 | | 16.5 | 280 | 3.5 |
| | | 2.1 | | 9.36 | 2.8 | | 11.7 | 2.8 | | 11.7 | 4.9 | | 18.7 | 4.9 | | 18.8 | 360 | 3.7 |
| | | 2.8 | | 11.7 | 3.5 | | 13.6 | 3.5 | | 13.6 | 5.6 | | 21.6 | 5.6 | | 21.6 | 370 | 4.3 |
| | | 3.5 | | 13.6 | 4.2 | | 16.0 | 4.2 | | 16.0 | 6.3 | | 24.7 | 6.3 | | 24.7 | 320 | 4.9 |
| 1/8 or 1/4 | CAEA 450 | 0.6 | 18 | 5.46 | 0.7 | 22 | 6.12 | 1.1 | 33 | 7.80 | 2.5 | 48 | 14.1 | 3.5 | 68 | 18.6 | 510 | 3.5 |
| | | 1.1 | | 7.80 | 1.4 | | 9.36 | 1.8 | | 11.0 | 3.2 | | 17.1 | 4.6 | | 22.6 | 640 | 3.0 |
| | | 1.4 | | 9.36 | 1.8 | | 11.0 | 2.5 | | 14.1 | 3.9 | | 19.8 | 6.0 | | 28.5 | 640 | 3.8 |
| | | 1.8 | | 11.0 | 2.1 | | 12.6 | 2.8 | | 15.6 | 4.2 | | 21.6 | 6.7 | | 31.5 | 610 | 4.3 |
| 1/8 or 1/4 | CAEA 500 | 0.7 | 18 | 5.10 | 1.4 | 22 | 6.96 | 1.8 | 33 | 8.34 | 2.8 | 48 | 11.7 | 3.5 | 68 | 13.9 | 270 | 2.1 |
| | | 1.0 | | 6.12 | 1.8 | | 8.34 | 2.1 | | 9.36 | 3.2 | | 12.7 | 4.2 | | 16.5 | 270 | 3.0 |
| | | 1.4 | | 6.96 | 2.1 | | 9.36 | 2.5 | | 10.7 | 3.5 | | 13.6 | 4.9 | | 18.8 | 330 | 3.4 |
| | | 1.8 | | 8.34 | 2.5 | | 10.7 | 2.8 | | 11.7 | 4.2 | | 16.0 | 5.3 | | 20.4 | 360 | 3.8 |
| | | 2.1 | | 9.36 | 2.8 | | 11.7 | 3.5 | | 13.6 | 4.9 | | 18.7 | 5.6 | | 21.6 | 370 | 3.8 |
| | | 2.8 | | 11.7 | 3.5 | | 13.6 | 4.2 | | 16.0 | 5.6 | | 21.6 | 6.3 | | 24.7 | 370 | 4.0 |
| | | 3.5 | | 13.6 | 4.2 | | 16.0 | 4.9 | | 18.7 | 6.3 | | 24.7 | 6.6 | | 25.7 | 360 | 5.8 |
| 1/8 or 1/4 | CAEA 550 | 0.7 | 36 | 6.12 | 1.1 | 45 | 7.80 | 1.8 | 68 | 11.0 | 3.2 | 100 | 17.1 | 5.3 | 141 | 25.8 | 760 | 3.0 |
| | | 1.1 | | 7.80 | 1.4 | | 9.36 | 2.1 | | 12.6 | 3.5 | | 18.6 | 6.0 | | 28.5 | 810 | 4.0 |
| | | 1.4 | | 9.36 | 2.1 | | 12.6 | 2.8 | | 15.6 | 4.9 | | 24.3 | 6.7 | | 31.5 | 790 | 4.3 |
| | | 1.8 | | 11.0 | 2.5 | | 14.1 | 3.2 | | 17.1 | 5.9 | | 27.3 | 7.0 | | 33.0 | 760 | 4.9 |
| 1/8 or 1/4 | CAEA 600 | 1.0 | 36 | 6.12 | 1.8 | 45 | 8.34 | 2.5 | 68 | 10.7 | 3.2 | 100 | 12.7 | 3.9 | 141 | 15.3 | 250 | 2.7 |
| | | 1.4 | | 6.96 | 2.1 | | 9.36 | 2.8 | | 11.7 | 3.5 | | 13.6 | 4.2 | | 16.5 | 290 | 3.0 |
| | | 1.8 | | 8.34 | 2.5 | | 10.7 | 3.2 | | 12.7 | 3.9 | | 14.8 | 4.6 | | 17.8 | 360 | 3.5 |
| | | 2.1 | | 9.36 | 2.8 | | 11.7 | 3.5 | | 13.6 | 4.2 | | 16.0 | 4.9 | | 18.8 | 390 | 3.7 |
| | | 2.5 | | 10.7 | 3.2 | | 12.7 | 4.2 | | 16.0 | 4.9 | | 18.7 | 5.6 | | 21.6 | 380 | 4.0 |
| | | 2.8 | | 11.7 | 3.5 | | 13.6 | 4.9 | | 18.7 | 5.6 | | 21.6 | 6.3 | | 24.7 | 390 | 4.3 |
| | | 3.5 | | 13.6 | 4.2 | | 16.0 | 5.6 | | 21.6 | 6.3 | | 24.7 | 7.0 | | 27.2 | 380 | 5.9 |
| 1/8 or 1/4 | CAEA 650 | 1.8 | 36 | 14.1 | 1.8 | 45 | 14.1 | 2.5 | 68 | 18.0 | 3.9 | 100 | 24.6 | 4.9 | | 29.0 | 290 | 3.0 |
| | | 2.1 | | 15.6 | 2.1 | | 15.6 | 2.8 | | 19.8 | 4.2 | | 26.7 | 4.2 | | 26.7 | 300 | 3.4 |
| | | 2.5 | | 18.0 | 2.5 | | 18.0 | 3.2 | | 21.3 | 4.6 | | 28.8 | 4.6 | | 28.8 | 300 | 4.0 |
| | | 2.8 | | 19.8 | 2.8 | | 19.8 | 3.5 | | 22.8 | 4.9 | | 31.2 | 4.9 | | 31.2 | 320 | 4.3 |
| | | 3.2 | | 21.3 | 3.2 | | 21.3 | 3.9 | | 24.6 | 5.3 | | 33.9 | 5.3 | | 33.9 | 340 | 4.6 |
| | | 3.5 | | 22.8 | 3.5 | | 22.8 | 4.2 | | 26.7 | 5.6 | | 36.0 | 5.6 | | 36.0 | 330 | 4.7 |
| | | 4.2 | | 26.7 | 4.2 | | 26.7 | 4.9 | | 31.2 | 6.3 | | 41.1 | 6.3 | | 41.1 | 340 | 5.5 |
| 1/8 or 1/4 | CAEA 700 | 2.1 | 64 | 15.6 | 2.8 | 78 | 19.8 | 3.9 | 119 | 24.6 | 4.9 | 175 | 31.2 | 5.6 | | 34.0 | 340 | 3.5 |
| | | 2.5 | | 18.0 | 3.2 | | 21.3 | 4.2 | | 26.7 | 5.3 | | 33.9 | 5.3 | | 33.9 | 360 | 4.3 |
| | | 2.8 | | 19.8 | 3.5 | | 22.8 | 4.6 | | 28.8 | 5.6 | | 36.0 | 5.6 | | 36.0 | 360 | 4.9 |
| | | 3.2 | | 21.3 | 3.9 | | 24.8 | 4.9 | | 31.2 | 6.0 | | 38.4 | 6.0 | | 38.4 | 360 | 5.5 |
| | | 3.5 | | 22.8 | 4.2 | | 26.7 | 5.3 | | 33.9 | 6.3 | | 41.1 | 6.3 | | 41.1 | 380 | 5.5 |
| | | 4.2 | | 26.7 | 4.9 | | 31.2 | 5.6 | | 36.0 | 6.3 | | | | | | 380 | 5.8 |
| | | 4.9 | | 31.2 | 5.6 | | 36.0 | 6.3 | | 41.1 | 6.3 | | | | | | 410 | 6.1 |
| 1/8 or 1/4 | CAEA 750 | 2.8 | 102 | 19.8 | 3.5 | 125 | 22.8 | 4.6 | 192 | 28.8 | 5.6 | 280 | 34.0 | 6.3 | | 36.0 | 360 | 4.6 |
| | | 3.2 | | 21.3 | 3.8 | | 24.6 | 4.9 | | 31.2 | 6.0 | | 38.4 | 6.0 | | 38.4 | 370 | 4.9 |
| | | 3.5 | | 22.8 | 4.2 | | 26.7 | 5.3 | | 33.9 | 6.3 | | 41.1 | 6.3 | | 41.1 | 370 | 5.2 |
| | | 3.9 | | 24.6 | 4.6 | | 28.8 | 5.6 | | 36.0 | 6.3 | | | | | | 380 | 5.5 |
| | | 4.2 | | 26.7 | 4.9 | | 31.2 | 6.0 | | 38.4 | 6.3 | | | | | | 410 | 5.5 |
| | | 4.6 | | 28.8 | 5.3 | | 33.9 | 6.3 | | 41.1 | 6.3 | | | | | | 410 | 5.8 |
| | | 4.9 | | 31.2 | 5.6 | | 36.0 | 6.3 | | 41.1 | 6.3 | | | | | | 410 | 6.1 |

Standard Materials: Nickel-plated Brass, 303 Stainless Steel and 316 Stainless Steel.

DAIA Series Full Cone Internal Air Atomizing Spray Nozzles



DESIGN / SPRAY CHARACTERISTICS

- Internal Mix
- Very fine atomization
- Full Cone spray pattern (Range 45° - 120°)
- Moderate forward spray projection

Flow Rates and Dimensions

Pressure-fed, Internal Mix, Wide Angle Round Spray Pattern, 1/8" and 1/4" Pipe Sizes, BSP or NP T

| Pipe Size | Model No. | 0.7 Bar Liquid | | | 1.5 Bar Liquid | | | 2.0 Bar Liquid | | | 3.0 Bar Liquid | | | 4.0 Bar Liquid | | | Spray Dimensions | | | |
|------------|-----------|----------------|------|--------------------|----------------|------|--------------------|----------------|------|--------------------|----------------|------|--------------------|----------------|------|--------------------|--------------------------------|----------------------|-----|------|
| | | Air (bar) | l/h | Nm ³ /h | Air (bar) | l/h | Nm ³ /h | Air (bar) | l/h | Nm ³ /h | Air (bar) | l/h | Nm ³ /h | Air (bar) | l/h | Nm ³ /h | "C" Effective Spray Length(mm) | Max. Spray Length(m) | | |
| 1/8 or 1/4 | DAIA 050 | 0.6 | 5.3 | 0.60 | 1.1 | 8.1 | 0.79 | 1.5 | 8.1 | 0.92 | 2.4 | 8.9 | 1.24 | 3.1 | 10.5 | 1.44 | 230 | 1.5 | | |
| | | 0.7 | 4.3 | 0.72 | 1.3 | 7.0 | 0.88 | 1.8 | 6.6 | 1.09 | 2.7 | 8.1 | 1.40 | 3.4 | 9.7 | 1.68 | | | 240 | 1.8 |
| | | 0.9 | 3.0 | 0.84 | 1.4 | 6.4 | 0.94 | 2.1 | 4.9 | 1.32 | 3.0 | 6.4 | 1.66 | 3.9 | 7.8 | 2.16 | | | 250 | 2.1 |
| | | 1.0 | 1.7 | 1.02 | 1.5 | 5.5 | 1.01 | 2.4 | 3.2 | 1.68 | 3.2 | 4.9 | 1.92 | 4.2 | 6.1 | 2.52 | | | 260 | 2.7 |
| | | | | | 1.7 | 4.5 | 1.16 | | | | 3.4 | 4.2 | 2.13 | 4.6 | 4.4 | 2.82 | | | 300 | 4.0 |
| | | | 1.8 | 3.5 | 1.30 | | | | 3.5 | 3.4 | 2.33 | 4.9 | 2.8 | 3.24 | | | | | | |
| 1/8 or 1/4 | DAIA 100 | 0.9 | 7.0 | 3.00 | 1.7 | 13.2 | 4.08 | 2.0 | 18.5 | 4.08 | 2.8 | 25.0 | 5.04 | 3.7 | 31.0 | 5.76 | 310 | 1.8 | | |
| | | 1.0 | 2.1 | 3.72 | 1.8 | 9.8 | 4.74 | 2.1 | 15.1 | 4.56 | 3.0 | 22.0 | 5.52 | 3.8 | 28.0 | 6.30 | | | 330 | 2.4 |
| | | | | | | | | 2.2 | 11.7 | 5.10 | 3.1 | 18.5 | 6.06 | 3.9 | 26.0 | 6.78 | | | 330 | 3.2 |
| | | | | | | | | | | | 3.2 | 15.1 | 6.54 | 4.1 | 23.0 | 7.32 | | | 340 | 4.1 |
| | | | | | | | | | | | 3.4 | 12.1 | 7.14 | 4.2 | 20.0 | 7.80 | | | 370 | 5.9 |
| | | | | | | | | | 3.5 | 9.1 | 7.80 | 4.6 | 13.6 | 9.18 | | | | | | |
| | | | | | | | | | 3.7 | 6.1 | 8.52 | 4.9 | 6.8 | 11.0 | | | | | | |
| 1/8 or 1/4 | DAIA 150 | 1.1 | 12.3 | 2.40 | 2.2 | 16.3 | 3.72 | 2.7 | 21.0 | 4.14 | 4.2 | 19.3 | 6.00 | 5.6 | 22.0 | 7.80 | 230 | 2.7 | | |
| | | 1.3 | 9.9 | 2.70 | 2.5 | 12.1 | 4.26 | 3.0 | 16.3 | 4.68 | 4.6 | 14.6 | 6.78 | 6.0 | 17.6 | 8.52 | | | 240 | 4.6 |
| | | 1.4 | 7.9 | 3.00 | 2.8 | 8.9 | 4.74 | 3.2 | 12.3 | 5.16 | 4.9 | 10.8 | 7.44 | 6.3 | 14.0 | 9.12 | | | 240 | 5.5 |
| | | 1.5 | 6.1 | 3.24 | 3.0 | 7.6 | 4.98 | 3.4 | 10.7 | 5.46 | 5.3 | 8.1 | 8.10 | 6.7 | 11.4 | 9.78 | | | 250 | 7.3 |
| | | 1.7 | 4.9 | 3.48 | 3.1 | 6.4 | 5.22 | 3.5 | 9.3 | 5.64 | 5.6 | 6.2 | 8.76 | 7.0 | 9.1 | 10.4 | | | 280 | 9.4 |
| | | 1.8 | 3.9 | 3.72 | 3.2 | 5.5 | 5.46 | 3.9 | 6.4 | 6.30 | 6.0 | 4.9 | 9.42 | | | | | | | |
| | | 2.0 | 3.1 | 4.02 | 3.4 | 4.7 | 5.70 | 4.2 | 4.7 | 6.90 | 6.3 | 4.0 | 10.00 | | | | | | | |
| 1/8 or 1/4 | DAIA 200 | 0.7 | 24.0 | 1.92 | 1.4 | 43.0 | 2.22 | 2.1 | 33.0 | 3.96 | 2.8 | 52.0 | 3.90 | 3.7 | 63.0 | 4.08 | 360 | 2.1 | | |
| | | 0.9 | 13.6 | 2.64 | 1.5 | 35.0 | 2.94 | 2.2 | 26.0 | 4.68 | 3.0 | 46.0 | 4.56 | 3.8 | 58.0 | 4.74 | | | 370 | 3.2 |
| | | 1.0 | 7.6 | 3.42 | 1.7 | 28.0 | 3.66 | 2.4 | 18.9 | 5.34 | 3.1 | 39.0 | 5.22 | 4.0 | 52.0 | 6.06 | | | 370 | 4.1 |
| | | | | | 1.8 | 21.0 | 4.26 | 2.5 | 11.7 | 6.00 | 3.2 | 33.0 | 5.94 | 4.2 | 41.0 | 6.66 | | | 380 | 5.0 |
| | | | | | | | | | | | 3.4 | 26.0 | 6.60 | 4.6 | 27.0 | 8.28 | | | 390 | 6.8 |
| | | | | | | | | | 3.5 | 19.5 | 7.32 | 4.9 | 15.9 | 9.96 | | | | | | |
| | | | | | | | | | 3.7 | 13.2 | 7.98 | | | | | | | | | |
| 1/8 or 1/4 | DAIA 250 | 1.3 | 36.0 | 5.10 | 2.1 | 57.0 | 6.96 | 3.1 | 53.0 | 9.36 | 4.2 | 64.0 | 11.8 | 5.6 | 74.0 | 14.7 | 330 | 5.5 | | |
| | | 1.5 | 29.0 | 6.12 | 2.4 | 51.0 | 7.80 | 3.2 | 50.0 | 9.78 | 4.9 | 51.0 | 13.8 | 6.0 | 68.0 | 15.6 | | | 340 | 6.4 |
| | | 1.8 | 23.0 | 7.02 | 2.7 | 45.0 | 8.58 | 3.4 | 47.0 | 10.2 | 5.6 | 40.0 | 15.9 | 6.3 | 62.0 | 16.8 | | | 370 | 8.2 |
| | | 2.0 | 19.7 | 7.50 | 3.0 | 39.0 | 9.42 | 3.5 | 45.0 | 10.6 | 6.0 | 34.0 | 17.1 | 6.7 | 56.0 | 17.7 | | | 380 | 9.1 |
| | | 2.1 | 16.7 | 7.98 | 3.2 | 33.0 | 10.2 | 3.9 | 38.0 | 11.6 | 6.3 | 28.0 | 18.0 | 7.0 | 51.0 | 18.9 | | | 400 | 10.4 |
| | | 2.3 | 14.0 | 8.52 | 3.5 | 28.0 | 11.1 | 4.6 | 25.5 | 13.8 | 6.7 | 22.0 | 19.2 | | | | | | | |
| | | 2.4 | 11.4 | 8.94 | 4.2 | 13.6 | 13.2 | 4.9 | 18.5 | 14.7 | 7.0 | 17.8 | 20.1 | | | | | | | |
| 1/8 or 1/4 | DAIA 300 | 1.7 | 27.0 | 9.36 | 3.0 | 39.0 | 13.8 | 3.4 | 50.0 | 15.0 | 4.6 | 62.0 | 19.2 | 6.0 | 93.0 | 23.7 | 460 | 5.5 | | |
| | | 1.8 | 20.0 | 10.0 | 3.1 | 33.0 | 14.4 | 3.5 | 43.0 | 15.6 | 4.9 | 47.0 | 20.7 | 6.3 | 77.0 | 25.5 | | | 470 | 6.4 |
| | | 2.0 | 15.9 | 10.7 | 3.2 | 27.0 | 15.3 | 3.7 | 41.0 | 16.5 | 5.3 | 36.0 | 22.5 | 6.7 | 62.0 | 27.6 | | | 510 | 7.3 |
| | | 2.1 | 12.5 | 11.6 | 3.4 | 23.0 | 15.9 | 3.9 | 27.0 | 18.0 | 5.6 | 26.0 | 24.3 | 7.0 | 52.0 | 29.7 | | | 530 | 7.9 |
| | | 2.3 | 10.2 | 12.3 | 3.5 | 18.5 | 16.8 | 4.1 | 23.0 | 18.6 | 6.0 | 18.9 | 26.1 | | | | | | 580 | 9.8 |
| | | | 7.6 | | 3.7 | 14.8 | 17.4 | 4.4 | 15.9 | 20.1 | 6.3 | 13.6 | 27.6 | | | | | | | |

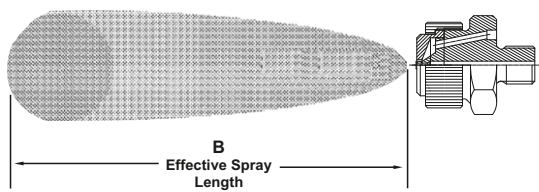
Standard Materials: Nickel-plated Brass, 303 Stainless Steel and 316 Stainless Steel.

DASA Series Full Cone Siphon Air Atomizing Spray Nozzles



DESIGN / SPRAY CHARACTERISTICS

- Lowest flow available
- Very fine atomization
- Narrow spray angle (Range 12°- 25°)
- Full cone pattern
- Short to moderate forward spray projection



Flow Rates and Dimensions

Siphon-fed / External Mix, Round Spray Pattern, 1/8" and 1/4" Pipe Sizes, BSP or NPT

| Pipe Size | Spray Set-up Number | ATOMIZING AIR | | Liquid Capacity in l/h (Liters Per Hour) | | | | | | | | Spray Dimensions at 200 mm. Siphon Height | |
|------------------|---------------------|---------------|--------------------|--|--------|--------|--------|---------------|--------|--------|--------|---|-----------------------|
| | | | | Gravity Head | | | | Siphon Height | | | | | |
| | | Air (bar) | Nm ³ /h | 450 mm | 300 mm | 150 mm | 100 mm | 200 mm | 300 mm | 600 mm | 900 mm | "B" Effective Spray Length(mm) | Max. Spray Length (m) |
| 1/8 or 1/4 | DASA 050 | 0.7 | 0.66 | 1.5 | 1.3 | 1.1 | 0.9 | 0.7 | 0.5 | 0.6 | 0.8 | 280 | 1.8 |
| | | 1.5 | 1.02 | 1.8 | 1.7 | 1.5 | 1.3 | 1.2 | 1.1 | 1.1 | 0.9 | 280 | 1.9 |
| | | 3.0 | 1.68 | 2.1 | 1.9 | 1.7 | 1.5 | 1.4 | 1.3 | 1.1 | 0.9 | 300 | 2.3 |
| | | 4.0 | 2.16 | 2.2 | 2.0 | 1.8 | 1.6 | 1.5 | 1.4 | 1.2 | 0.9 | 360 | 2.6 |
| 1/8 or 1/4 | DASA 150 | 0.7 | 0.78 | 24 | 2.1 | 1.7 | 1.5 | 1.2 | 0.8 | 0.9 | 1.1 | 300 | 2.1 |
| | | 1.5 | 1.20 | 2.8 | 2.6 | 2.4 | 2.1 | 1.9 | 1.6 | 1.7 | 1.1 | 330 | 2.3 |
| | | 3.0 | 1.92 | 3.4 | 3.1 | 2.9 | 2.8 | 2.6 | 2.4 | 2.4 | 1.5 | 380 | 2.6 |
| | | 4.0 | 2.46 | 3.7 | 3.4 | 3.3 | 3.1 | 2.9 | 2.7 | 2.1 | 1.5 | 430 | 3.0 |
| 1/8 or 1/4 | DASA 200 | 0.7 | 1.38 | 2.5 | 2.3 | 2.0 | 1.6 | 1.4 | 1.1 | 0.9 | 1.2 | 300 | 2.4 |
| | | 1.5 | 2.16 | 2.9 | 2.8 | 2.5 | 2.2 | 2.0 | 1.7 | 1.9 | 1.2 | 330 | 2.7 |
| | | 3.0 | 3.48 | 3.4 | 3.3 | 3.2 | 2.9 | 2.8 | 2.5 | 2.5 | 2.0 | 380 | 3.4 |
| | | 4.0 | 4.44 | 3.7 | 3.6 | 3.5 | 3.4 | 3.3 | 3.0 | 2.5 | 2.0 | 430 | 4.0 |
| 1/8 or 1/4 | DASA 250 | 0.7 | 1.14 | 4.5 | 4.0 | 3.4 | 2.1 | 1.8 | 1.4 | 1.8 | 1.2 | 380 | 3.0 |
| | | 1.5 | 1.86 | 5.3 | 4.9 | 4.4 | 3.5 | 2.9 | 2.7 | 2.4 | 1.2 | 410 | 3.4 |
| | | 3.0 | 3.00 | 6.0 | 5.6 | 5.0 | 4.4 | 4.0 | 3.4 | 3.4 | 1.9 | 460 | 4.0 |
| | | 4.0 | 3.90 | 5.7 | 5.4 | 5.0 | 4.2 | 3.9 | 3.5 | 2.8 | 1.9 | 510 | 4.6 |
| 1/8 or 1/4 | DASA 400 | 1.5 | 3.48 | 22 | 19.9 | 16.3 | 12.3 | 10.5 | 8.3 | 2.8 | 2.8 | 460 | 3.7 |
| | | 3.0 | 5.28 | 25 | 23 | 19.5 | 16.7 | 14.2 | 11.5 | 6.4 | 4.5 | 510 | 4.3 |
| | | 4.0 | 6.66 | 26 | 24 | 21 | 18.4 | 15.7 | 12.9 | 7.9 | 6.1 | 530 | 4.9 |
| | | 5.6 | 8.82 | 26 | 24 | 22 | 19.7 | 17 | 14.6 | 9.8 | 6.1 | 580 | 5.5 |
| 1/8 or 1/4 | DASA 450 | 2.0 | 8.64 | | | | 27 | 22 | 16.8 | | | 510 | 6.7 |
| | | 3.0 | 11.4 | 44 | 43 | 40 | 30 | 26 | 21 | 11.0 | 8.3 | 530 | 7.0 |
| | | 4.0 | 14.4 | | 42 | 39 | 31 | 28 | 23 | 16.7 | | 580 | 7.6 |
| | | 5.6 | 18.9 | | | | 31 | 28 | 24 | | | 630 | 8.2 |

Standard Materials: Nickel-plated Brass, 303 Stainless Steel and 316 Stainless Steel.

Spraytech Location Map



- Regd. Office (Thane)
- Rabale Plant (Navi Mumbai)
- Indapur Plant (Pune)

Regd. Office :
20 KMS from Mumbai International Airport



Regd. Office :

Spraytech House, Plot A-132, Road No. 23,
Spraytech Circle, Wagale Indl. Estate,
Thane (W) - 400 604. Mumbai - Maharashtra, (India)
Tel. : 91-022-2582 8929/2735/2736
Fax : 91-022-2581 2861
E-mail : sales@spraytechindia.com
sales1@spraytechindia.com

Rabale Plant :

Spraytech Systems (I) Pvt. Ltd.,
Plot No.: R-513, MIDC,
TTC Industrial Area,
Rabale, Navi Mumbai-400 701.

Indapur Plant :

Spraytech Systems (I) Pvt. Ltd.,
Plot No.: A-5,
Indapur Five Star Industrial Area
Village - Loni Devkar Balpudi,
Tal. - Indapur,
Dist. - Pune. 413103