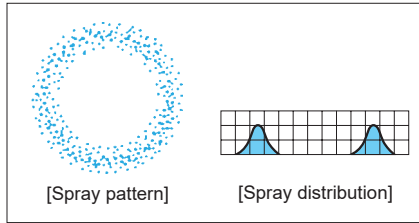
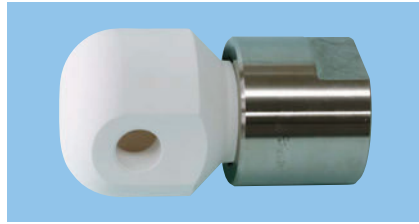


Alumina Ceramic and Medium Capacity Hollow Cone Spray Nozzles

Made-to-Order

AP-AL92

Hollow Cone



- Hollow cone spray nozzle made of alumina ceramic with excellent wear-resistance and relatively fine atomization.
- Spray pattern is stable at both low and high pressures.
- No-whirler design minimizes clogging.
- Spraying axis at 90° angle from the nozzle inlet.

[STANDARD PRESSURE]

0.2 MPa

[APPLICATIONS]

- Cleaning: Gas, air, machines, pre-paint treatment
 Cooling: Gas, air handling unit, roofs, machinery, foods, warm water
 Spraying: Aeration, humidification

Structure	<ul style="list-style-type: none"> • Alumina ceramic one-piece structure. • No obstructions in the nozzle interior.
Material	<ul style="list-style-type: none"> • Nozzle body: 92% Alumina • Socket: S316

The AP-AL92 series is available with a socket made of S316 to prevent damage to the delicate alumina threads. The S316 socket is female threaded turning the male nozzle thread into a female connection.

DRAWING

① Nozzle body ② Adhesive: Araldite®H ③ Socket (S316)

Nozzle thread size	Spray angle (°) at 0.2 MPa	Spray capacity (L/min) at 0.2 MPa	Mean droplet diameter (µm)	Free passage diameter (mm)
R1/2	80	14.0–23.0	580–800	6.4–8.1
R3/4	80	26.0–40.0	670–850	9.2–11.0
R1	85	45.0–70.0	750–1,000	11.9–14.4
R1½	85	80.0–150	1,000–1,400	15.9–19.4
R2	85	200–250		24.2–26.1
R2½	85	300–400	1,500–1,800	31.0–32.9
R3	85	500–600		39.7–42.6

HOW TO ORDER IKEUCHI will help select the best model for the specific applications and requirements of each customer. Contact us for more details.

Metal AP Series Made-to-Order

For applications requiring wear resistant nozzles, such as spraying slurry, the AP series with highly wear-resistant ceramics are available. Contact us for details.

AP SERIES

• Metal hollow cone spray nozzle using ceramic for the inner bottom part of the nozzle body.

AP SERIES with ceramic orifice

• Metal hollow cone spray nozzle including a ceramic orifice and ceramic inner bottom part.