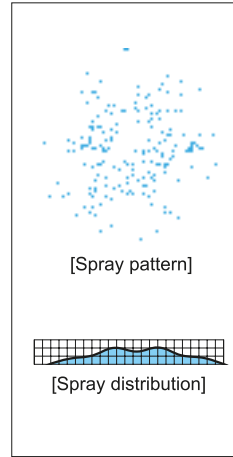


# Seven-head Full Cone Spray Nozzles

## Extremely fine atomization

7KB

Full Cone



### [Features]

- Full cone spray nozzle with an almost round-shaped spray area.
- Produces fine atomization.
- Seven KB hollow cone spray nozzles are installed in a very compact header adaptor.
- KB series nozzles with ceramic whirl chambers and orifices provide excellent wear-resistance.

### [Standard pressure]

0.7 MPa

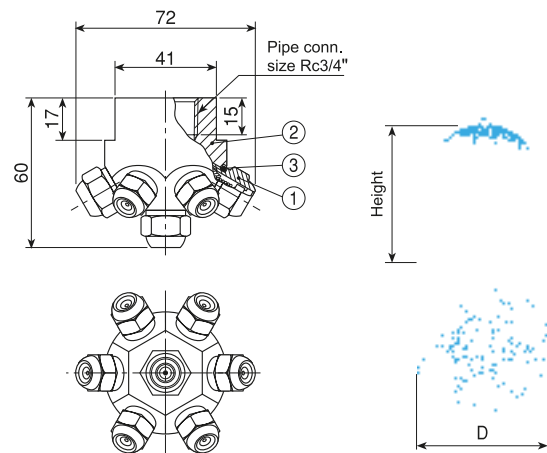
### [Applications]

- Gas cooling • Cleaning
- Moisture control • Humidification
- Dust suppression

## 7KB series

7KB series (with ceramic orifice inserted)	
Structure	<ul style="list-style-type: none"> <li>• 7 pcs. of KB series hollow cone spray nozzles (spray angle code 60°) are screwed into a header adaptor.</li> <li>• Nozzle orifice and closer are made of ceramics.</li> <li>• Each KB series nozzle has a built-in strainer.</li> </ul>
Material	<ul style="list-style-type: none"> <li>• Nozzle orifice &amp; closer: ceramic</li> <li>• Metal parts: S303</li> <li>• Optional material: S316</li> </ul>
Mass	<ul style="list-style-type: none"> <li>• S303: 370 g</li> </ul>

[Note] Appearance and dimensions may differ slightly depending on materials and nozzle codes.



①KB series nozzle ②Header adaptor ③O-ring (NBR)

See the chart below for spray dimension D.

Spray capacity code	Spray angle (°)			Spray dimension D (m) at each spray height (at 0.7 MPa)				Spray capacity (ℓ/min)									Mean drop. dia. (μm)	Free pass. dia. (mm)	Strainer mesh size
	0.3 MPa	0.7 MPa	1 MPa	0.5 m	1.0 m	1.5 m	2.0 m	0.3 MPa	0.4 MPa	0.5 MPa	0.6 MPa	0.7 MPa	1 MPa	1.2 MPa	1.5 MPa	2 MPa			
023	—	180	180	0.51	0.65	0.66	—	—	0.18	0.20	0.22	0.23	0.28	0.31	0.34	0.39	45	0.15	200
054	—	180	180	0.56	0.75	0.80	0.80	—	0.41	0.45	0.50	0.54	0.64	0.70	0.79	0.91	50	0.15	200
124	—	180	180	0.61	0.82	0.88	0.88	—	0.93	1.05	1.15	1.24	1.48	1.62	1.81	2.09	75	0.30	150
544	173	180	180	0.80	1.14	1.32	1.40	3.56	4.11	4.60	5.04	5.44	6.50	7.12	7.96	9.19	100	0.50	100
1087	174	180	180	0.99	1.37	1.60	1.70	7.12	8.22	9.19	10.1	10.9	13.0	14.2	15.9	18.4	210	0.60	100

[Note] 7KB series nozzles are guaranteed only for spray capacity under the standard pressure.

## How to order

Please inquire or order for a specific nozzle using this coding system.

〈Example〉 3/4F 7KB 023 S303

3/4F 7KB 023 S303

Spray capacity code	Material
023	S303
1087	