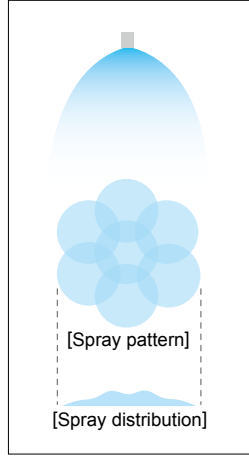


# Seven-Head Full Cone Spray Nozzles

## Extremely Fine Atomization

7KB



- Multi-nozzle compact spray headers create a nearly round spray area by overlapping individual spray patterns, resulting in fine atomization.
- Each nozzle whirl chamber is formed by a ceramic orifice and closer, providing excellent wear resistance.

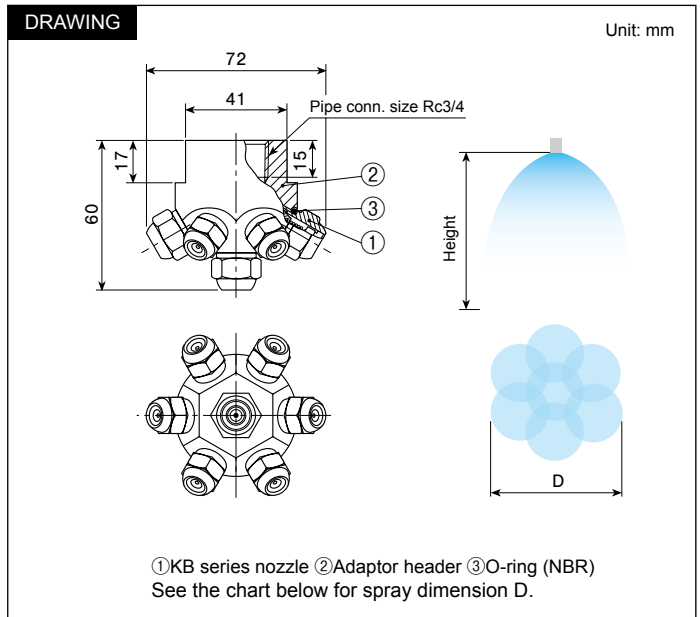
[STANDARD PRESSURE]  
0.7 MPa

[APPLICATIONS]

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

Structure	<ul style="list-style-type: none"> <li>• Seven (7) KB series hollow cone spray nozzles, with a 60° spray angle, are screwed into an adaptor header.</li> <li>• Nozzle orifice and closer are made of ceramic.</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> </ul> <p>SPECIAL ORDER MATERIAL: S316</p>
Weight	• 370 g

[Note] Appearance and dimensions may differ slightly depending on material and nozzle code.



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	∞	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 the spray capacity at standard pressure.

### HOW TO ORDER

To inquire about or order a specific nozzle please refer to this coding system.

Example: 3/4F 7KB 023 S303

3/4F 7KB 023 S303

Pipe conn. size\*

Spray capacity code

Material

023  
∞  
1087

\*"F" indicates female thread ("Rc" of the ISO standard), e.g. 3/4F = Rc3/4.