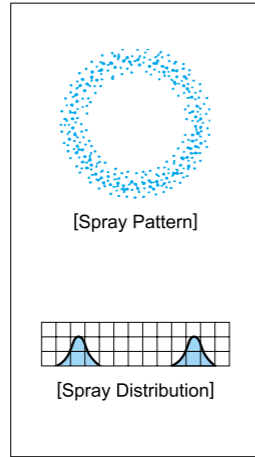


Semi-fine Atomization and Small Capacity Hollow Cone Spray Nozzles

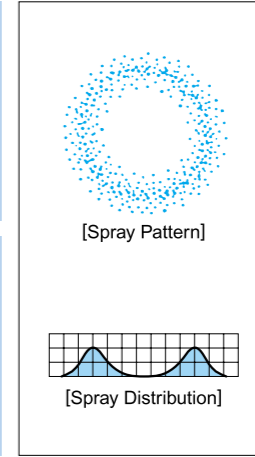


- [Features]**
- Small capacity hollow cone spray nozzle.
 - Semi-fine atomization.
 - The whirl chamber is formed by a ceramic orifice and closer, which provides excellent wear-resistance.

[Standard Pressure]
0.3MPa

- [Applications]**
- Humidifying : Air handling units, etc.
 - Cooling : Gases, metals, etc.
 - Spraying : Chemicals, etc.

Semi-fine Atomization and Small Capacity Hollow Cone Spray Nozzles



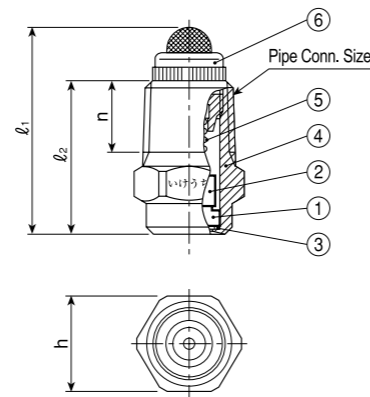
- [Features]**
- Unique whirler design to make free passage diameter large and minimize clogging.
 - Semi-fine atomization.
 - Compact, lightweight design with low number of components.
 - Maintenance is easy as whirler is detachable.

[Standard Pressure]
0.3MPa

- [Applications]**
- Cooling : Gases, metals, etc.
 - Spraying : Chemicals, etc.
 - Snow making (for snow machines)

K-series

K-series (with ceramic orifice inserted)	
Structure	<ul style="list-style-type: none"> • Spray orifice and closer are made of ceramics. • Each part can be disassembled. • All models equipped with built-in strainers.
Material	<ul style="list-style-type: none"> • Spray orifice & closer : ceramic • Metal parts : B (brass) or S303 (stainless steel 303)



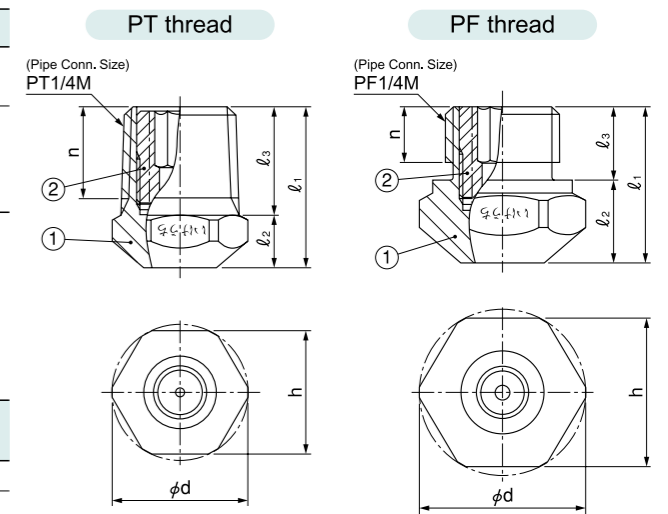
- ①Ceramic orifice ②Ceramic closer ③Packing (PTFE)
④Nozzle body ⑤Spring (S316)
⑥Strainer (B+S304 or S303+S304)

Series	Pipe Conn. Size	Dimensions(mm)				Mass(g)	
		l ₁	l ₂	h	n	B	S303
K	1/4M	30.4	22.5	14	10.5	18.5	17.5

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

KKBP-series

KKBP-series	
Structure	<ul style="list-style-type: none"> • Comprised of nozzle body and whirler. • Thread is R1/4 (PT1/4 male) or G1/4B (PF1/4 male).
Material	<ul style="list-style-type: none"> • Body : S303 (stainless steel 303) • Whirler : S316L equivalent • Optional material (body only) : S316, S316L, Brass * (*Brass body is available only with PT thread, not with PF thread)



Series	Pipe Conn. Size	Dimensions(mm)					Mass (g)
		l ₁	l ₂	l ₃	h	n	
KKBP	1/4M (PT)	18.5	6	12.5	14	10.5	15.5
	1/4M (PF)	18	9.5	8.5	17	6.5	19

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

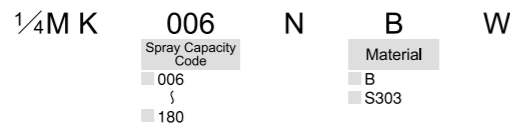
- ①Body ②Whirler

Spray Capacity Code	Pipe Conn. Size	Spray Angle			Spray Capacity (ℓ/min)									Mean Drop. Dia. (μm)	Free Pass. Dia. (mm)	Strainer Mesh Size
		0.15 MPa	0.3 MPa	0.7 MPa	0.15 MPa	0.2 MPa	0.3 MPa	0.5 MPa	0.7 MPa	1 MPa	1.5 MPa	2 MPa	2.5 MPa			
006	1/4M	—	80°	80°	—	—	0.06	0.08	0.09	0.11	0.13	0.15	0.16	80	0.4	150
008		—	80°	80°	—	—	0.08	0.10	0.12	0.14	0.17	0.20	0.22			
010		—	80°	80°	—	—	0.10	0.13	0.15	0.18	0.22	0.25	0.27			
012		—	80°	80°	—	—	0.12	0.15	0.18	0.21	0.26	0.30	0.33	}	0.5	100
015		—	80°	80°	—	0.12	0.15	0.19	0.22	0.27	0.32	0.37	0.41			
020		70°	80°	80°	0.14	0.16	0.20	0.26	0.30	0.35	0.43	0.49	0.55			
025		70°	80°	80°	0.18	0.21	0.25	0.32	0.37	0.44	0.54	0.62	0.69	}	0.7	50
030		70°	80°	80°	0.22	0.25	0.30	0.38	0.45	0.53	0.65	0.74	0.82			
040		70°	80°	80°	0.29	0.33	0.40	0.51	0.60	0.71	0.86	0.99	1.10			
050		70°	80°	80°	0.36	0.41	0.50	0.64	0.75	0.89	1.08	1.23	1.37	200	1.0	50
060		70°	80°	80°	0.43	0.49	0.60	0.77	0.90	1.06	1.29	1.48	1.65			
070		70°	80°	80°	0.50	0.58	0.70	0.89	1.05	1.24	1.51	1.73	1.92			
080		70°	80°	80°	0.58	0.66	0.80	1.02	1.20	1.42	1.72	1.97	2.20			
100		70°	80°	80°	0.72	0.82	1.00	1.28	1.50	1.77	2.15	2.47	2.74	}	1.3	50
120		70°	80°	80°	0.86	0.99	1.20	1.53	1.80	2.13	2.58	2.96	3.29			
140		70°	80°	80°	1.01	1.15	1.40	1.79	2.10	2.48	3.01	3.46	3.84			
160		70°	80°	80°	1.15	1.32	1.60	2.04	2.40	2.84	3.44	3.95	4.39			
180		70°	80°	80°	1.29	1.48	1.80	2.30	2.69	3.19	3.87	4.44	4.94	380	1.7	50

How to order

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

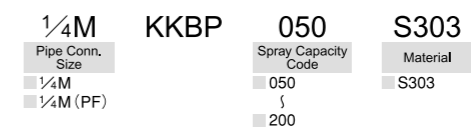
(Example) ...1/4MK006NBW



How to order

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

(Example) ...1/4MKKBP050S303



* In case PF thread is required, please specify the Pipe Conn. Size as 1/4M(PF).