

Eliminate Odor in garbage pits with Dry Fog & Fine Fog!

Finer fog provides more effective deodorization with a smaller quantity of deodorant.

Fog spraying eliminates odor in...

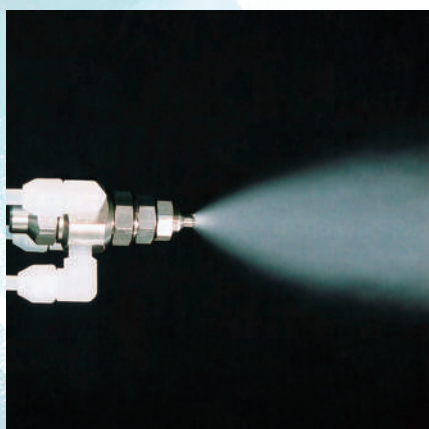
- ▶ Garbage pits of waste incineration plants
- ▶ Reservoirs in sewerage treatment plants
- ▶ Exhaust ducts

Effective odor-elimination using "Dry Fog", with no wetting (Sauter mean droplet diameter: 7.5µm)



AKIMist® "E" Dry Fog Humidifiers

Spray patterns available are flat, hollow cone and full cone spray (Sauter mean droplet diameter*: 20-100µm)



BIM series

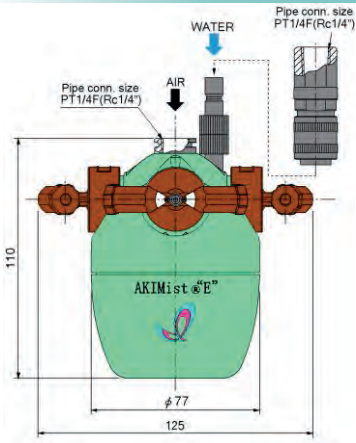
Fine fog spray driven by water pump pressure only (Sauter mean droplet diameter*: 35-60µm)



KBN series

*Sauter mean droplet diameter measured by Laser Doppler Method

AKIMist® “E” (Dry Fog humidifier)



Material

Body	PP, S303
Nozzle	PPS, OPFW, S303
O-ring	NBR, FKM
Packing	FKM

S303 = Stainless steel 303

Mass: 340g (Loaded)



Spray volume per nozzle

Air pressure (MPa)	Spray volume (L/hr)	Air consumption (L/min, Normal)
0.2	1.3	22
0.3	2.4	29
0.4	3.1	36
0.5	3.6	43

Sauter mean droplet diameter: 7.5µm (measured by Laser Doppler Method)

Up to 4 nozzles can be mounted per body, spraying in 4 directions as in the photo (AE-4)

AE-4 (03C) sprays 9.6l/hr at 0.3MPa air pressure.

BIM series (Fine fog / Small capacity / Pneumatic spray nozzle)



Photo is BIMK series with T-type adaptor

- Unique design greatly minimizes clogging.
- Designed using fewer parts than typical nozzles for easier maintenance and lower price.
- Available in 3 spray patterns, BIMV flat spray, BIMK hollow cone spray and BIMJ full cone spray.

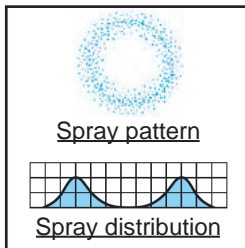
Spray pattern	Liquid feeding system	Spray angle (°)	Spray capacity (L/hr)	Air consumption (L/min, Normal)	Mean droplet diameter* (µm)
Flat spray	Liquid pressure	110, 80, 45	1.0~107	7~245	20~100
	Liquid siphon	80	0.7~4.5	15~92	20~30
Hollow cone spray	Liquid pressure	60	2.0~107	13~245	20~100
	Liquid siphon	60	1.4~5.5	27~92	20~30
Full cone spray	Liquid pressure	70, 20	2.0~107	7~245	20~100

*Sauter mean droplet diameter measured by Laser Doppler Method

KBN series (Extremely Fine fog / Ultra-small capacity / Hollow cone spray)



Photo of KBN80063



- Low cost plastic nozzle with durable ceramic orifice.
- Light weight; 1/6 that of similar metal nozzles.
- Minimal clogging with free passage diameter 1.3-2.6 times bigger than that of conventional nozzles

[KB series, stainless steel body with ceramic orifice, is also available.]

*Sauter mean droplet diameter measured by Immersion Sampling Method

Spray angle code	Spray capacity code	Spray angle (°)			Spray capacity (L/min)									Mean droplet diameter* (µm)	Free passage diameter (mm)	Strainer mesh size	Nozzle color			
		0.5 MPa	1 MPa	2 MPa	0.5 MPa	0.6 MPa	0.8 MPa	1 MPa	1.3 MPa	2 MPa	3.5 MPa	5 MPa	7 MPa							
80	063	50	80	80	1.13	1.36	1.72	2.00	2.35	2.99	4.05	4.75	5.58	35~60	0.2	200	Brown			
	125	60	80	80	2.29	2.77	3.51	4.10	4.84	6.20	8.43	9.94	11.70					0.3	100	Green
	22	65	80	80	3.99	4.84	6.18	7.25	8.59	11.10	15.00	18.00	21.30					0.4	100	Purple

How to order

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

Example) 1/4M KBN 80125 TPACVW

1/4M	(PT)	KBN	80	125	TPA	CV	W
	Thread type			Spray capacity code		Check valve	
	■(PT) ■(NPT)			■063 ■125 ■22		CV (with check valve) -- (without check valve)	

For inquiries / information requests / quotations related to this product, please contact us



“The Fog Engineers”

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“Taking the path less traveled” 
「人の足跡を踏むな」