

KAM Nozzles (to Cool Gases) Multi-mist Series

► Features

- Multi-nozzle head construction to produce a stable mist with variable angle of 40° to 50°



► Applications

- Exhaust gas cooling in refuse incineration plants and desuperheating tower.



► Material

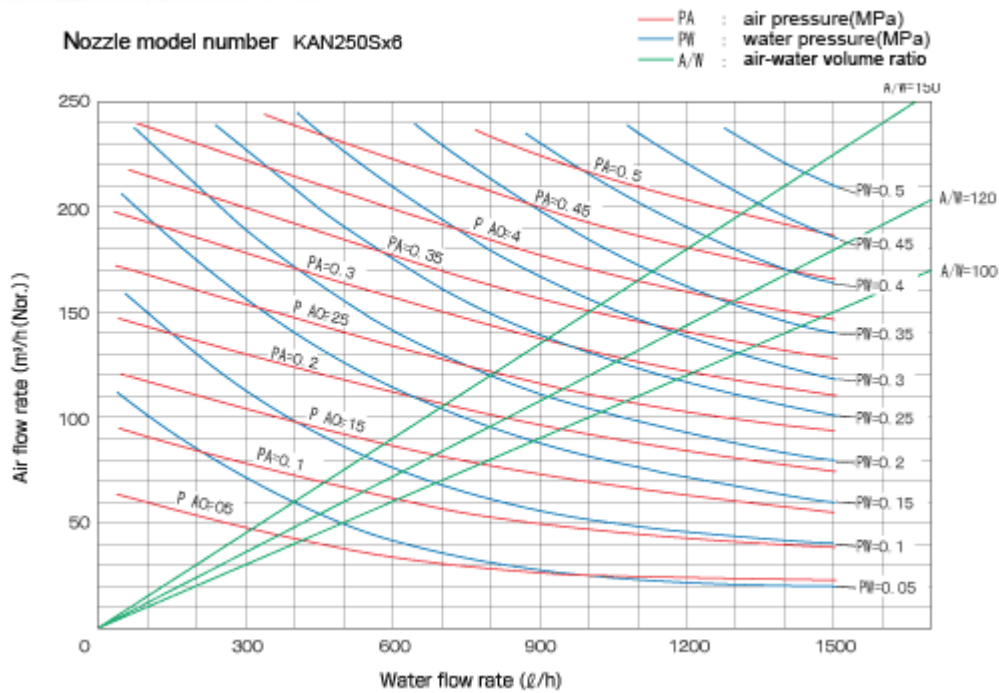
- Standard material: SUS316L (principal parts)

► Model

Connecting threads	1/2"
Flow rate	220 □ 1300 L/h (at 0.3MPa)
Spray angle	40° □ 50°

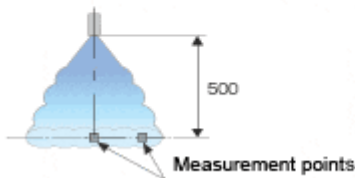
Performance Data

Characteristic curves



Measurement of particle size

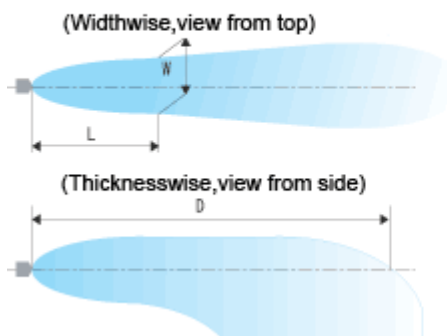
Nozzle model number KAM125Sx4



Air pressure (MPa)	Water pressure (MPa)	Air flow rate (m³/h (Nor.))	Water flow rate (ℓ/h)	Air-water volume ratio	Mean particle size SMD (μm)		Mean flow velocity (m/s)	
					Center	Periphery	Center	Periphery
0.370	0.330	51.0	340	150	45.9	39.6	7.8	19.5
0.339	0.300		280	182	45.8	36.9	7.3	19.5
0.298	0.258		197	259	40.7	32.8	7.0	16.4

Spray pattern

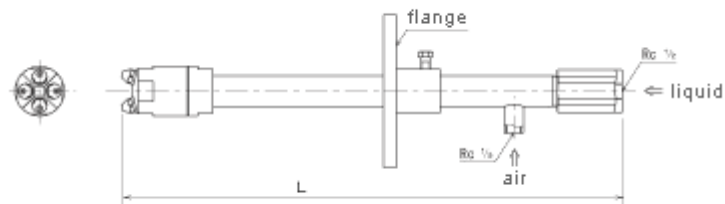
Nozzle model number KAM125Sx4



Air pressure (MPa)	Water pressure (MPa)	Air flow rate (m³/h (Nor.))	Water flow rate (ℓ/h)	air-water volume ratio	Spray pattern Vaule			
					D (mm)	L (mm)	W (mm)	
0.370	0.330	51.0	340	150	6500	500	350	
						1000	600	
						1500	900	
						2000	1100	
0.339	0.300	51.0	280	182	6500	500	350	
						1000	600	
						1500	900	
						2000	1100	
0.298	0.258	51.0	197	259	6500	500	350	
						1000	600	
						1500	900	
						2000	1100	

■ Shapes and dimensions

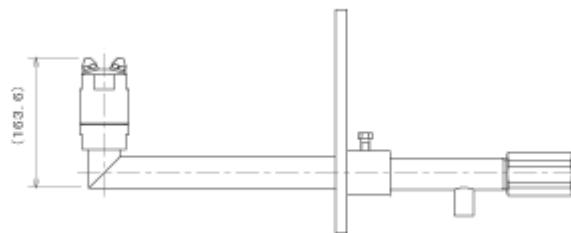
Straight type



NPT thread is also available.

※ Dimension L and flange size are to be specified by the customer.

Elbow type



NPT thread is also available.

※ Dimension L and flange size are to be specified by the customer.

■ Model and Model Number representing

KAM

125S×4

Model number

