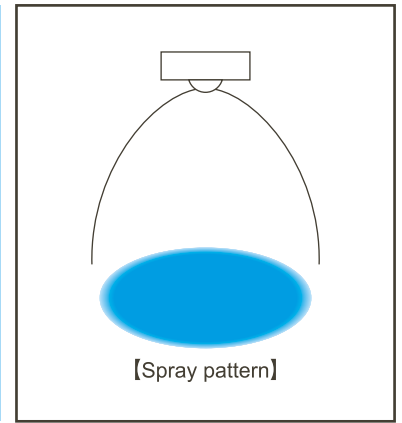


## Features

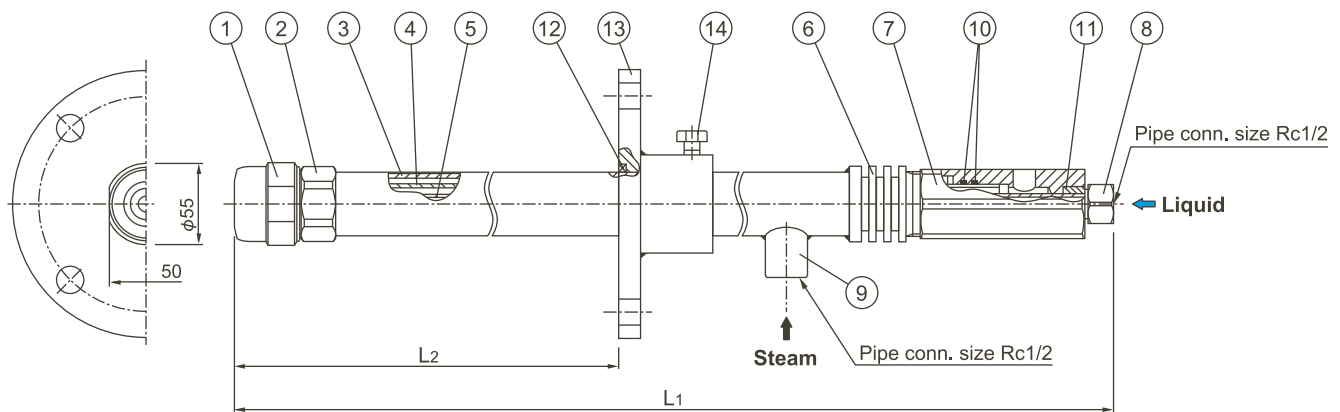
- Innovative pneumatic nozzles using steam instead of compressed air to produce fine (semi-fine) atomization.



## Applications

- Cooling: Gas
- Moisture control: Flue gas, paper, cardboard
- Chemical reaction: Denitration

## Structure & Materials



### Components and materials

No.	Components	Standard materials
①	Nozzle body	S316L
②	Nozzle adaptor	S316L
③	Outer pipe	S316LTP
④	Inner pipe	S304TP
⑤	Inner pipe	S304TP
⑥	Fin	S304
⑦	Joint	S304
⑧	Liquid socket	S304

No.	Components	Standard materials
⑨	Steam socket	S304
⑩	O-ring (P-26)	FKM
⑪	O-ring (P-12.5)	FKM
⑫	Packing	Metal wire reinforced AES wool
⑬	Flange	S304
⑭	Bolt (M12)	S304

## Dimensions & Mass

### Dimensions

Spray capacity code	Free passage diameter (mm)	
	Steam	Liquid
15	1.1	1.1
37	1.7	1.6
75	2.6	3.1
150	4.1	4.2

### Type of length

Type	Total length L1 (mm)	Length L2 (mm)	Mass* (kg)
A	720	300–400	6.0
B	920	400–600	7.2
C	1,120	600–800	8.3
D	1,320	800–1,000	9.4

\*Mass of flange is not included.

## Flow-rate Diagrams

### How to read the chart

- ① The spray capacity shown is for one nozzle.
- ② Red lines (—) represent steam pressures  $P_s$  in MPa.  
Blue lines (—) represent liquid pressures  $P_w$  in MPa.
- ③ Figures in ovals ○ indicate Sauter mean droplet diameters ( $\mu\text{m}$ ) measured by the immersion sampling method.

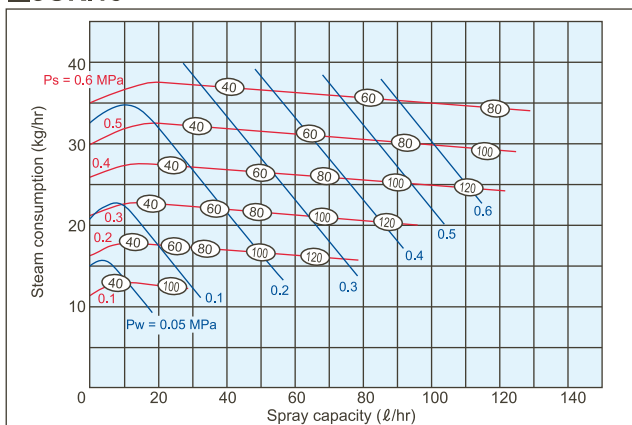
Note: Data shown in the diagrams are based on saturated steam and estimated values.

### Note for spray control

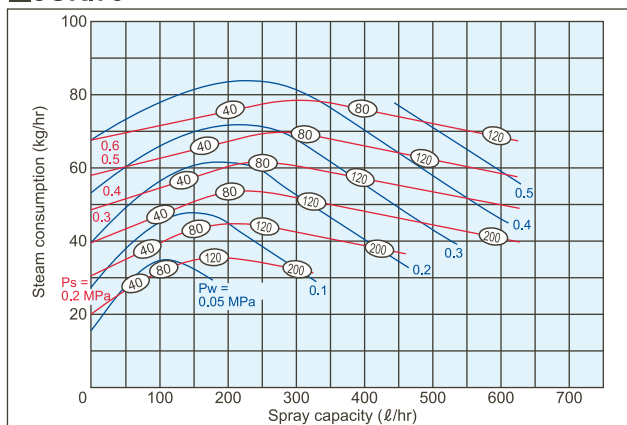
To control the spray out of the JOKIJet® nozzles, control by steam pressure and spray capacity is recommended. Attempts to control the spray by controlling the steam pressure and liquid pressure may not allow stable spray control.

For more details on JOKIJet® spray control, please contact a sales representative.

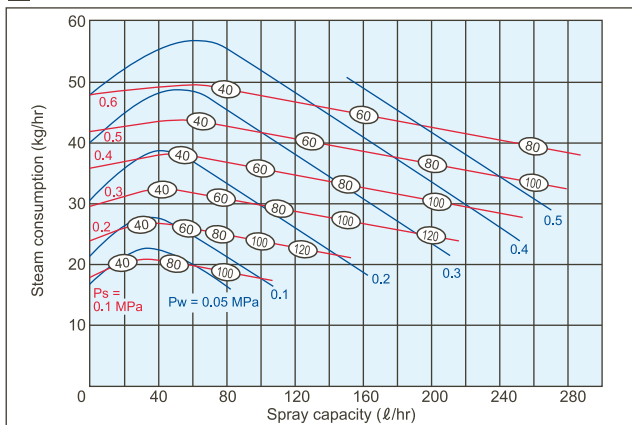
#### JOKI15



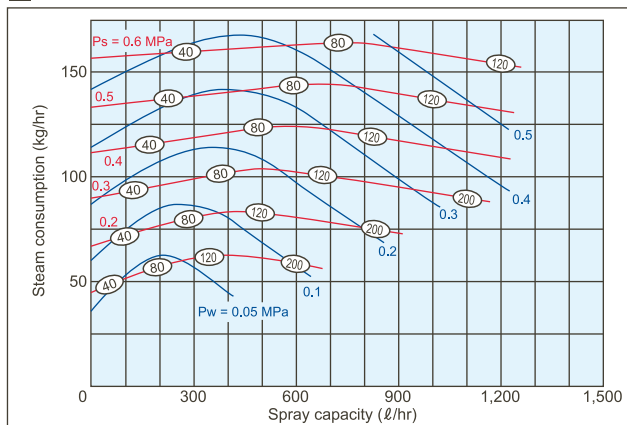
#### JOKI75



#### JOKI37



#### JOKI150



## How to order

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

<Example> JOKI15 A S316L + 2\*1/2T10 S304 (L<sub>2</sub>)

JOKI	<b>15</b>	<b>A</b>	S316L +	<b>2*1/2T10</b>	S304	<b>(L<sub>2</sub>)</b>
	Spray capacity code	Type of length (Total length)		Flange size		Length between the nozzle head and flange
	■15	■A				
	■37	■B				
	■75	■C				
	■150	■D				

(See p.89)

Please send us an inquiry for the different flange sizes.  
For details please ask for our inquiry drawing.