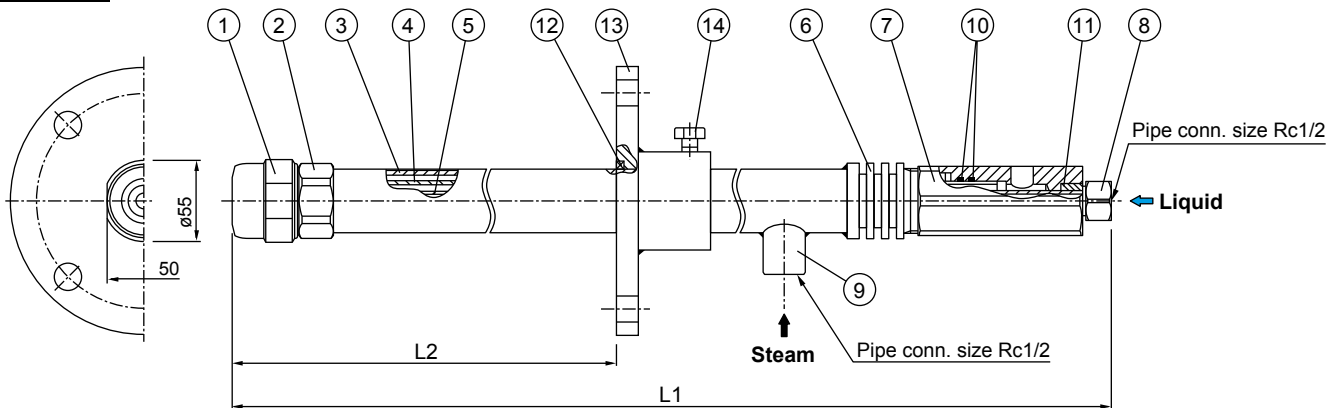


■ Innovative pneumatic nozzles using steam instead of compressed air to produce semi-fine atomization.

### APPLICATIONS

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

### DRAWING



### COMPONENTS AND MATERIALS

No.	Components	Standard materials	No.	Components	Standard materials
1	Nozzle body	S316L	9	Steam socket	S304
2	Nozzle adaptor	S316L	10	O-ring (P-26)	FKM
3	Outer pipe	S316LTP	11	O-ring (P-12.5)	FKM
4	Inner pipe	S304TP	12	Packing	Metal wire reinforced AES wool
5	Inner pipe	S304TP	13	Flange	S304
6	Fin	S304	14	Bolt (M12)	S304
7	Joint	S304			
8	Liquid socket	S304			

### 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 diameters ( $\mu\text{m}$ ) measured by the immersion sampling method.  
 (See pages 6–7 for comparison with laser Doppler method.)

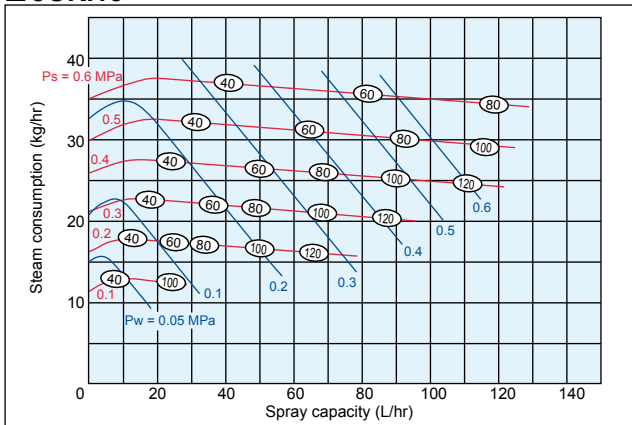
Note: Data shown in the diagrams are based on saturated steam and estimated values.

**Note for spray control**

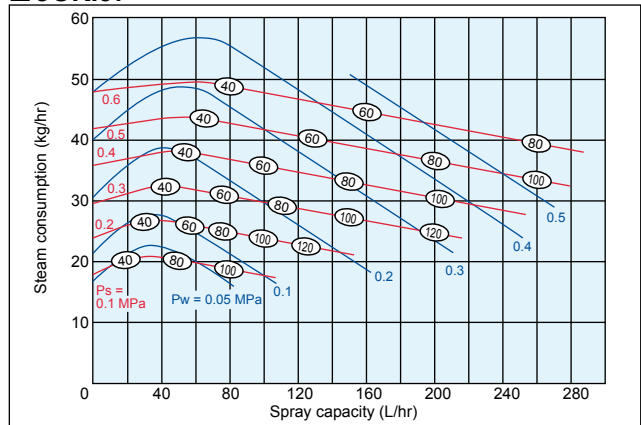
To control the spray out of the JOKIJet® nozzles, control by steam pressure and spray capacity is recommended. Attempts to control the spray by controlling the steam pressure and liquid pressure may not allow stable spray control.

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

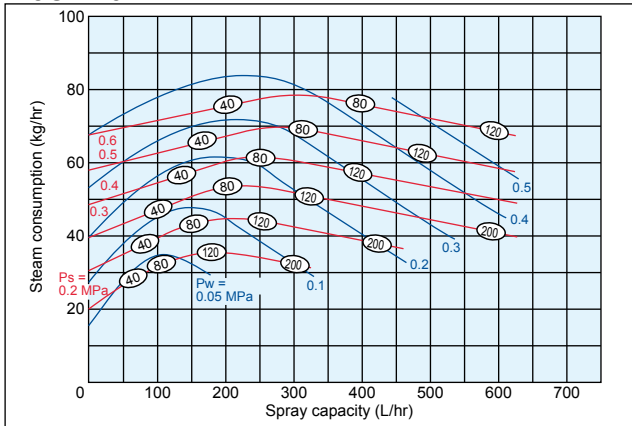
■ **JOKI15**



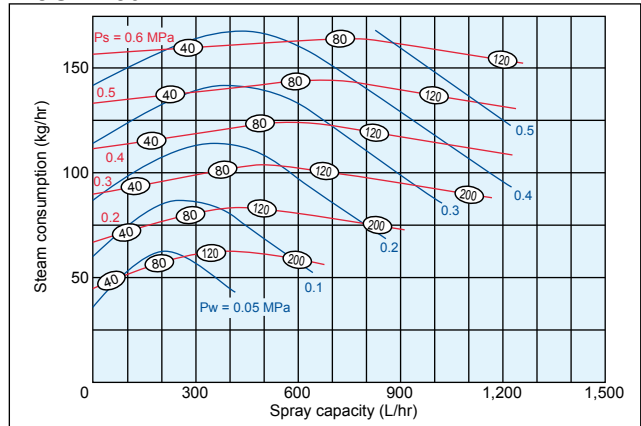
■ **JOKI37**



■ **JOKI75**



■ **JOKI150**



JOKIJet®

**HOW TO ORDER**

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

<Example> **JOKI15 A S316L + 2\*1/2T10 S304 (L2)**

<b>JOKI</b>	<b>15</b>	<b>A</b>	<b>S316L</b>	<b>+</b>	<b>2*1/2T10</b>	<b>S304</b>	<b>(L2)</b>
	Spray capacity code	Type of length (Total length)	Material of nozzle body		Flange size	Material of flange	Length between the nozzle head and flange
	■15 ■37 ■75 ■150	■A ■B ■C ■D					

(See p.94)

Please send us an inquiry for a different flange size.  
**For details please ask for our inquiry drawing.**