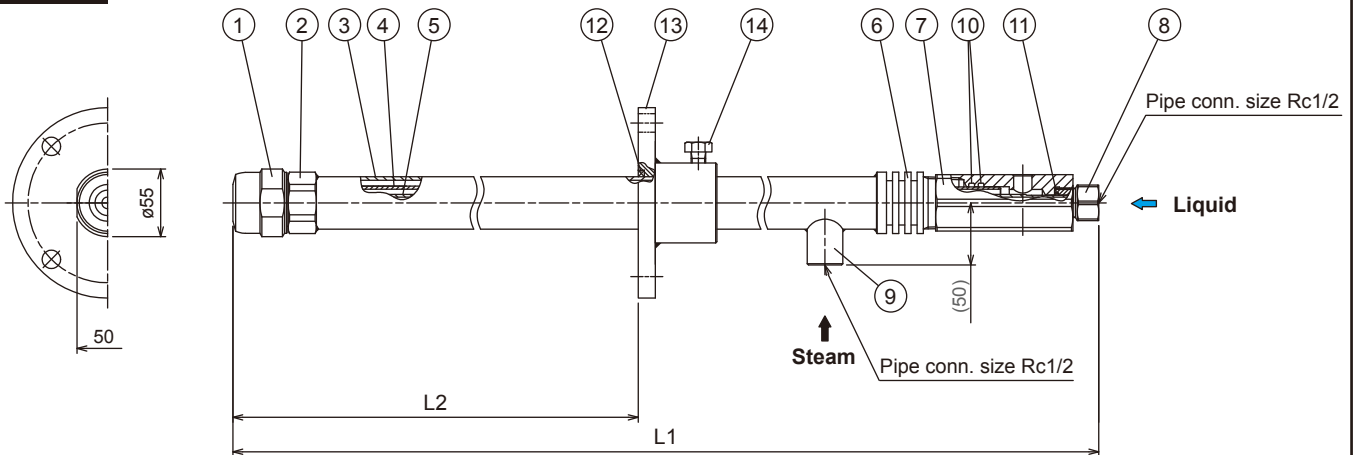


■ Innovative pneumatic nozzles using steam instead of compressed air to produce semi-fine atomization.

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 (P26)	FKM
3	Outer pipe	S316L	11	O-ring (P12.5)	FKM
4	Inner pipe	S304	12	Packing	Metal wire reinforced AES wool
5	Inner pipe	S304	13	Flange	S304
6	Fin	S304	14	Bolt (M12)	S304 equivalent
7	Joint	S304			
8	Liquid socket	S304			

Unit: mm

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)	Weight* (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

*Weight of flange is not included.

FLOW-RATE DIAGRAMS

■ How to read the chart

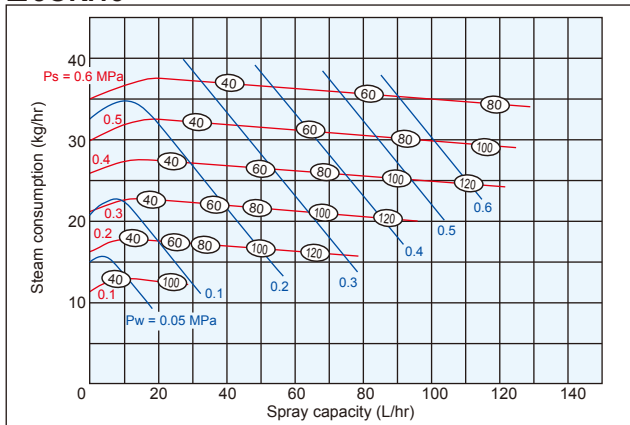
1. The spray capacity shown is for one nozzle.
2. Red lines (—) represent steam pressures P_s in MPa.
Blue lines (—) represent liquid pressures P_w in MPa.
3. Numbers in ovals ○ indicate Sauter mean diameters (μm) measured by the immersion sampling method.
(See pages 7–8 for comparison with laser Doppler method.)

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

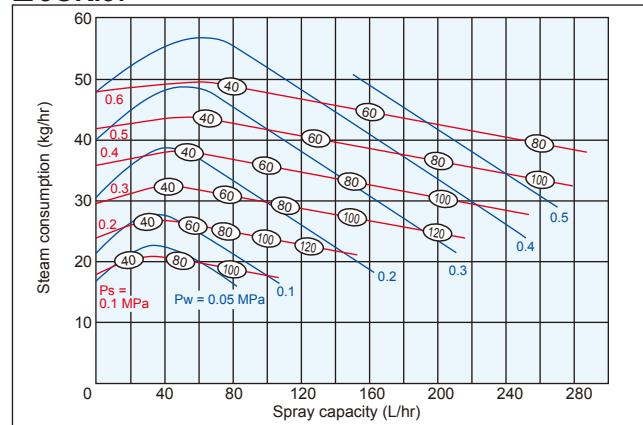
Note for spray control

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.

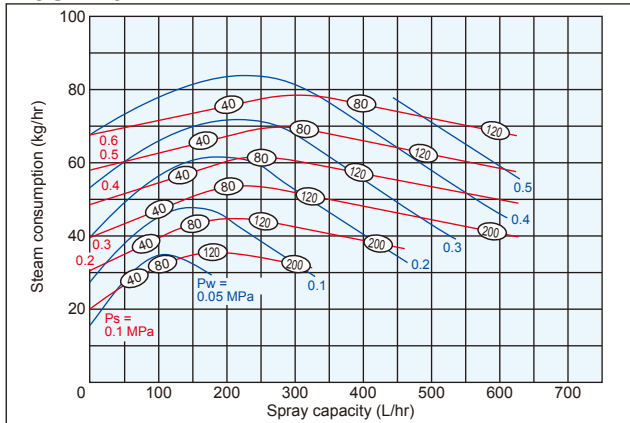
■ JOKI15



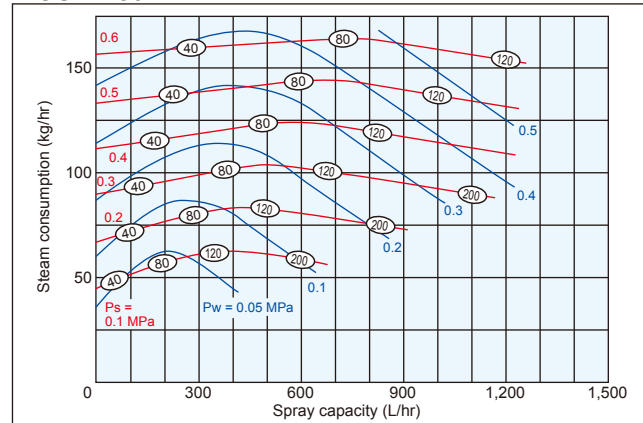
■ JOKI37



■ JOKI75



■ JOKI150



HOW TO ORDER

When selecting a nozzle product, various factors must be considered, such as distance to target, number of nozzles required, and installation layout including air and liquid piping.

To ensure the best nozzle selection for your needs, consult our sales representatives during the design phase. Our engineering services are essential for efficient performance.

Inquiry forms with outline drawings are available to confirm dimensions and pipe connections. Contact us for more details.