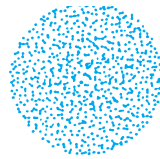
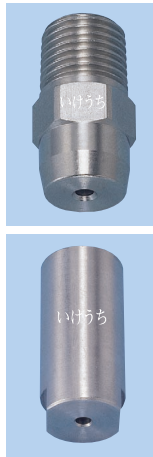
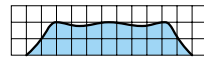


Standard Type Full Cone Spray Nozzles

JJXP



[Spray Pattern]



[Spray Distribution]

[Features]

- Full cone spray pattern with a round impact area and uniform distribution.
- Spray capacity ranges from small to medium.
- X-shaped whirler provides large free passage diameter for minimal clogging.

[Standard Pressure]

0.2MPa

[Applications]

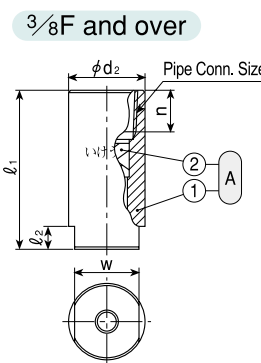
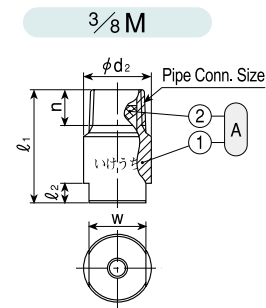
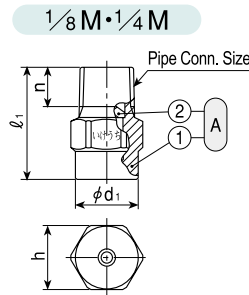
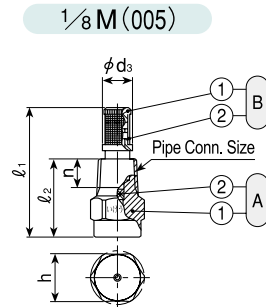
Cleaning : Gases, incinerator fumes, machinery, eliminators, screen, tanks, gravel, stones, sand, etc.

Cooling : Gases, machineries, tanks, steels, etc.

Spraying : Waste water treatment, aeration, foam breaking, fire extinguishing, dust suppression, sea water desalination, etc.

JJXP-series

	JJXP-series
Structure	• One-piece structure with press-fit X-shaped whirler.
Material	• Sizes 1/8M - 3/8M(F) : S303 (stainless steel 303) • Sizes 1/2F - 1F : B (brass) or S303 • Sizes 1 1/2F or larger : S316 (SCS14) • Optional material : S316L (SCS16), plastic, others [Note] Thread size of optional material may differ depending on materials.



① Nozzle (① Body ② Whirler)
② Strainer (① Strainer holder ② Strainer screen)

Series	Pipe Conn. Size *2	Dimensions(mm)								Mass(g)	
		l1	l2	h	W	phi d1	phi d2	phi d3	n	B	S303 (S316)
JJXP	1/8 M (005)	32.5	20	12	—	—	—	7.5	7	—	9.5*1
	1/8 M	20	—	12	—	11.5	—	—	7	—	11
	1/4 M	28	—	14	—	13.5	—	—	10.5	—	21
	3/8 M	34	6	—	17	—	20	—	11	—	50
	3/8 F	43	6	—	17	—	20	—	11	—	61
	1/2 F	54	8	—	22	—	25	—	14	150	140
	3/4 F	69	10	—	27	—	32	—	15	290	270
	1 F	89	14	—	34	—	40	—	17	550	515
	1 1/2 F	124	20	—	50	—	58	—	19	—	1520
	2F (250~350)	160	24	—	60	—	70	—	23	—	2600
	2F (400~500)	118.5	24	—	60	—	70	—	23	—	2050
	2 1/2 F	147.5	27	—	80	—	90	—	27	—	4360
	3F (920)	163.5	30	—	90	—	105	—	30	—	6700
	3F (1200)	170.5	30	—	90	—	105	—	30	—	6500

*1) For JJXP005 with strainer, add 2g to the above mass.

*2) Figures in () after Pipe Conn. Size indicate the spray capacity codes.

[Note] Appearance and dimensions may differ slightly depending on materials and nozzle codes.

Standard Type Full Cone Spray Nozzles JJXP-series

Spray Capacity Code	Pipe Conn. Size						Spray Angle			Spray Capacity (ℓ/min)										Mean Drop. Dia. (μm)	Free Pass. Dia. (mm)
	⅛M	¼M	⅜M	¾F	½M	½F	0.05 MPa	0.2 MPa	0.5 MPa	0.03 MPa	0.05 MPa	0.1 MPa	0.15 MPa	0.2 MPa	0.3 MPa	0.5 MPa	0.7 MPa	1 MPa			
005	●	●					—	55°	65°	—	—	0.36	0.44	0.50	0.59	0.73	0.83	0.96	270	0.5	
010	○	○					50°	55°	45°	—	0.53	0.73	0.88	1.00	1.18	1.45	1.67	1.93	290	0.8	
015	○	○					60°	65°	55°	—	0.79	1.09	1.32	1.50	1.77	2.18	2.50	2.89	}	0.8	
020	○	○					60°	65°	55°	—	1.06	1.46	1.75	2.00	2.36	2.91	3.34	3.86		1.4	
030	○	○					65°	70°	60°	—	1.59	2.18	2.63	3.00	3.54	4.36	5.00	5.79	410	1.4	
040		○					60°	65°	55°	—	2.12	2.91	3.51	4.00	4.72	5.81	6.67	7.72	380	1.7	
050		○					65°	70°	60°	—	2.65	3.64	4.38	5.00	5.90	7.27	8.34	9.64	}	1.7	
060		○					70°	75°	65°	2.51	3.18	4.37	5.26	6.00	7.08	8.72	10.0	11.6	520	1.7	
070			○		○		60°	65°	60°	2.93	3.71	5.09	6.14	7.00	8.26	10.2	11.7	13.5	480	1.9	
080			○		○		65°	70°	65°	3.35	4.24	5.82	7.01	8.00	9.44	11.6	13.3	15.4	}	1.9	
10			○		○		75°	80°	75°	4.19	5.29	7.28	8.77	10.0	11.8	14.5	16.7	19.3	}	2.6	
12			○		○		80°	85°	80°	5.03	6.35	8.73	10.5	12.0	14.2	17.4	20.0	23.1		660	2.6
14					○	○	65°	70°	55°	5.86	7.41	10.2	12.3	14.0	16.5	20.3	23.3	27.0	590	3.5	
16					○	○	70°	75°	60°	6.70	8.47	11.6	14.0	16.0	18.9	23.3	26.7	30.9	}	3.5	
18					○	○	75°	80°	65°	7.54	9.53	13.1	15.8	18.0	21.2	26.2	30.0	34.7	}	3.5	
20					○	○	80°	85°	70°	8.38	10.6	14.6	17.5	20.0	23.6	29.1	33.4	38.6		740	3.5

Spray Capacity Code	Pipe Conn. Size						Spray Angle			Spray Capacity (ℓ/min)										Mean Drop. Dia. (μm)	Free Pass. Dia. (mm)
	¾F	1F	1½F	2F	2½F	3F	0.05 MPa	0.2 MPa	0.5 MPa	0.03 MPa	0.05 MPa	0.1 MPa	0.15 MPa	0.2 MPa	0.3 MPa	0.5 MPa	0.7 MPa	1 MPa			
23	○						70°	75°	60°	9.63	12.2	16.7	20.2	23.0	27.1	33.4	38.4	44.4	630	4.7	
26	○						75°	80°	65°	10.9	13.8	18.9	22.8	26.0	30.7	37.8	43.4	50.1	}	4.7	
30	○						80°	85°	70°	12.6	15.9	21.8	26.3	30.0	35.4	43.6	50.0	57.9		4.7	
35	○						85°	90°	75°	14.7	18.5	25.5	30.7	35.0	41.3	50.9	58.4	67.5		4.7	
40	○						90°	95°	80°	16.8	21.2	29.1	35.1	40.0	47.2	58.1	66.7	77.2		4.7	
45	○						90°	95°	80°	18.8	23.8	32.7	39.5	45.0	53.1	65.4	75.0	86.8	950	4.7	
50		○					70°	75°	60°	20.9	26.5	36.4	43.8	50.0	59.0	72.7	83.4	96.4	800	6.0	
60		○					80°	85°	70°	25.1	31.8	43.7	52.6	60.0	70.8	87.2	100	115	}	6.0	
80		○					90°	95°	80°	33.5	42.4	58.2	70.1	80.0	94.4	115	135	155		6.0	
90		○					90°	95°	80°	37.7	47.7	65.5	78.9	90.0	106	130	150	175		1150	6.6
100			○				80°	85°	70°	41.9	52.9	72.8	87.7	100	120	145	170	195	1000	8.4	
150			○				85°	90°	75°	62.8	79.4	110	130	150	180	220	250	290	}	8.4	
200			○				90°	95°	80°	83.8	105	145	175	200	240	290	335	385		1350	10.3
250				○			85°	90°	75°	105	130	180	220	250	295	360	420	480	1200	12.7	
300				○			90°	95°	80°	125	160	220	265	300	355	435	500	580		12.7	
350				○			90°	95°	80°	150	185	255	310	350	415	510	585	675	}	12.7	
400				○			75°	80°	65°	170	210	290	350	400	470	580	670	770		13.4	
500				○			95°	95°	80°	210	265	365	440	500	590	730	835	965	1500	13.4	
600					○		75°	80°	65°	250	320	440	525	600	710	870	1000	1160	1500	17.0	
700					○		85°	90°	75°	290	370	510	615	700	826	1020	1170	1359	1800	17.0	
920						○	100°	100°	85°	385	490	670	810	920	1090	1340	1535	1780	1660	18.4	
1200						○	105°	105°	90°	505	635	875	1050	1200	1420	1740	2000	2320	1950	22.0	

●.....With strainer (100 mesh only) ○.....Without strainer

For spraying slurry, the nozzle material should be wear-resistant. For this purpose, the JJXP-AL92 nozzle with a cup-shaped ceramic orifice and ceramic whirler is available (see page 66).

How to order

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

〈Example〉...1/8MJJXP005S303W

Pipe Conn. Size (*1)	Spray Capacity Code	Material (*2)	Strainer
1/8M	005	B	W (with Strainer : 1/8MJJXP005 only)
3/4	3	S303	— (without Strainer)
3F	1200	S316	

*1) Pipe connection size code for 1/4M is indicated as "1/4x1/8M" when spray capacity is 005-030.

*2) See "Material" information on page 57 for standard materials by each size.