

● Standard type model number list (model: KSF / KSFG, thread size: 1/8 to 1) ● : Model availability

Thread size							Model number	Minimum orifice diameter [mm]	Flow rate [L/min] at following pressure [MPa]							Spray angle at following pressure [MPa]			
1/8	1/4	3/8	1/2	3/4	1	0.05			0.1	0.2	0.3	0.5	0.7	1.0	0.1	0.3	0.5	0.7	
●	●						00865	0.5	0.37	0.50	0.67	0.80	1.00	1.15	1.34	55°	65°	57°	43°
●	●						00890	0.5	0.37	0.50	0.67	0.80	1.00	1.15	1.34	80°	90°	74°	56°
●	●						0165	0.6	0.46	0.62	0.84	1.00	1.25	1.44	1.68	55°	65°	57°	43°
●	●						0190	0.6	0.46	0.62	0.84	1.00	1.25	1.44	1.68	80°	90°	74°	56°
●	●	●					01565	0.7	0.68	0.94	1.26	1.50	1.87	2.2	2.5	55°	65°	57°	43°
●	●	●					01590	0.7	0.68	0.94	1.26	1.50	1.87	2.2	2.5	80°	90°	74°	56°
●	●	●					0265	0.8	0.93	1.25	1.68	2.0	2.5	2.9	3.4	55°	65°	57°	43°
●	●	●					0290	0.8	0.93	1.25	1.68	2.0	2.5	2.9	3.4	80°	90°	74°	56°
●	●	●	●				0365	1.0	1.39	1.87	2.5	3.0	3.7	4.3	5.0	58°	65°	58°	45°
●	●	●	●				0390	1.0	1.39	1.87	2.5	3.0	3.7	4.3	5.0	82°	90°	74°	58°
●	●	●	●				0465	1.2	1.85	2.5	3.4	4.0	5.0	5.8	6.7	58°	65°	58°	45°
●	●	●	●				0490	1.2	1.85	2.5	3.4	4.0	5.0	5.8	6.7	82°	90°	74°	58°
●	●	●	●				04120W	1.2	1.85	2.5	3.4	4.0	5.0	5.8	6.7	115°	120°	103°	90°
●	●	●	●				0665	1.4	2.8	3.7	5.0	6.0	7.5	8.6	10.1	58°	65°	58°	45°
●	●	●	●				0690	1.4	2.8	3.7	5.0	6.0	7.5	8.6	10.1	82°	90°	76°	58°
●	●	●	●				06120W	1.4	2.8	3.7	5.0	6.0	7.5	8.6	10.1	115°	120°	103°	90°
●	●	●	●				0865	1.6	3.7	5.0	6.7	8.0	10.0	11.5	13.4	58°	65°	58°	45°
●	●	●	●				0890	1.6	3.7	5.0	6.7	8.0	10.0	11.5	13.4	82°	90°	76°	58°
	●	●	●				08120W	1.6	3.7	5.0	6.7	8.0	10.0	11.5	13.4	117°	120°	105°	92°
	●	●	●	●			1065	1.9	4.6	6.2	8.4	10.0	12.5	14.4	16.8	60°	65°	60°	48°
	●	●	●	●			1090	1.9	4.6	6.2	8.4	10.0	12.5	14.4	16.8	84°	90°	76°	60°
	●	●	●	●			10120W	1.9	4.6	6.2	8.4	10.0	12.5	14.4	16.8	117°	120°	105°	92°
	●	●	●	●			1565	2.2	6.9	9.4	12.6	15.0	18.7	21.6	25.2	60°	65°	60°	48°
	●	●	●	●			1590	2.2	6.9	9.4	12.6	15.0	18.7	21.6	25.2	84°	90°	76°	60°
	●	●	●	●			15120W	2.2	6.9	9.4	12.6	15.0	18.7	21.6	25.2	117°	120°	105°	92°
		●	●	●			2065	2.5	9.3	12.5	16.8	20.0	24.9	28.8	33.6	60°	65°	60°	48°
		●	●	●			2090	2.5	9.3	12.5	16.8	20.0	24.9	28.8	33.6	84°	90°	76°	60°
		●	●	●			20120W	2.5	9.3	12.5	16.8	20.0	24.9	28.8	33.6	117°	120°	105°	92°
			●	●			2565	2.8	11.6	15.6	21.0	25.0	31.2	36.0	42.0	60°	65°	60°	48°
			●	●			2590	2.8	11.6	15.6	21.0	25.0	31.2	36.0	42.0	84°	90°	76°	60°
			●	●			25120W	2.8	11.6	15.6	21.0	25.0	31.2	36.0	42.0	119°	120°	107°	94°
			●	●			3065	3.1	13.9	18.7	25.2	30.0	37.4	43.2	50.4	62°	65°	60°	48°
			●	●			3090	3.1	13.9	18.7	25.2	30.0	37.4	43.2	50.4	86°	90°	76°	63°
			●	●			30120W	3.1	13.9	18.7	25.2	30.0	37.4	43.2	50.4	119°	120°	107°	94°
			●	●			3565	3.4	16.2	21.8	29.4	35.0	43.6	50.4	58.8	62°	65°	60°	48°
			●	●			3590	3.4	16.2	21.8	29.4	35.0	43.6	50.4	58.8	86°	90°	76°	63°
			●	●			35120W	3.4	16.2	21.8	29.4	35.0	43.6	50.4	58.8	119°	120°	107°	94°
				●	●		4070	3.7	18.5	25.0	33.6	40.0	49.9	57.6	67.2	68°	70°	65°	53°
				●	●		4090	3.7	18.5	25.0	33.6	40.0	49.9	57.6	67.2	86°	90°	78°	63°
				●	●		40120W	3.7	18.5	25.0	33.6	40.0	49.9	57.6	67.2	121°	120°	109°	96°
				●	●		4570	4.0	20.8	28.1	37.8	45.0	56.1	64.8	75.6	68°	70°	65°	53°
				●	●		4590	4.0	20.8	28.1	37.8	45.0	56.1	64.8	75.6	88°	90°	78°	63°
				●	●		45120W	4.0	20.8	28.1	37.8	45.0	56.1	64.8	75.6	121°	120°	109°	96°
				●	●		5070	4.3	23.2	31.2	42.0	50.0	62.3	72.0	84.0	68°	70°	65°	53°
				●	●		5090	4.3	23.2	31.2	42.0	50.0	62.3	72.0	84.0	88°	90°	78°	65°
				●	●		50120W	4.3	23.2	31.2	42.0	50.0	62.3	72.0	84.0	121°	120°	109°	96°
					●		6070	4.6	27.8	37.4	50.4	60.0	74.8	86.4	101	68°	70°	65°	53°
					●		6090	4.6	27.8	37.4	50.4	60.0	74.8	86.4	101	88°	90°	78°	65°
					●		60120W	4.6	27.8	37.4	50.4	60.0	74.8	86.4	101	123°	120°	110°	98°
					●		7070	4.9	32.4	43.7	58.8	70.0	87.3	101	118	70°	70°	65°	55°
					●		7090	4.9	32.4	43.7	58.8	70.0	87.3	101	118	90°	90°	78°	65°
					●		70120W	4.9	32.4	43.7	58.8	70.0	87.3	101	118	123°	120°	110°	98°
					●		8070	5.2	37.1	49.9	67.3	80.0	99.7	115	134	70°	70°	65°	55°
					●		8090	5.2	37.1	49.9	67.3	80.0	99.7	115	134	90°	90°	78°	65°
					●		80120W	5.2	37.1	49.9	67.3	80.0	99.7	115	134	123°	120°	110°	98°
					●		9070	5.6	41.7	56.2	75.7	90.0	112	130	151	70°	70°	65°	55°
					●		9090	5.6	41.7	56.2	75.7	90.0	112	130	151	90°	90°	78°	65°
					●		90120W	5.6	41.7	56.2	75.7	90.0	112	130	151	125°	120°	111°	98°

Full-cone Pattern Nozzles

B
2

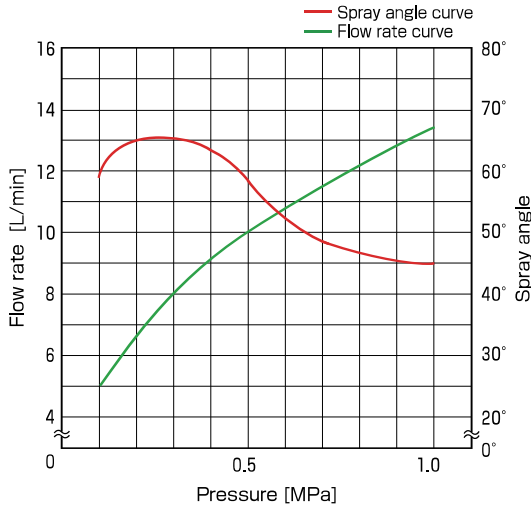
Separate type

Full-cone Nozzle

Performance data

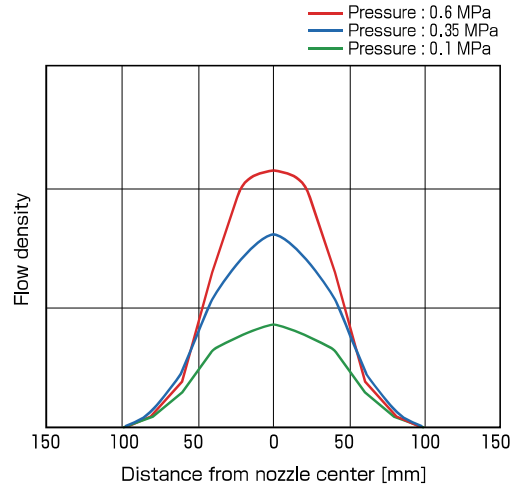
Characteristic curves

Nozzle model number ¼ KSGF 0865

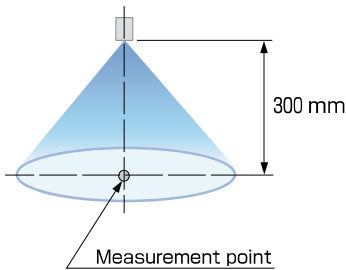


Flow distribution

Nozzle model number ¼ KSGF 0865
Spray distance 110 mm



Particle size characteristic



Model number	Sauter mean diameter [µm] at following pressure [MPa]					
	0,1	0,2	0,3	0,5	0,8	1,0
0465						
0490	306-245	282-226	257-206	220-176	183-147	177-142
04120W						
1065						
1090	415-332	383-307	349-280	298-238	249-199	240-192
10120W						
2065						
2090	523-418	483-386	440-352	376-300	314-251	303-242
20120W						
3065						
3090	598-479	553-442	504-403	430-344	539-287	346-277
30120W						
5070						
5090	710-568	655-524	598-478	510-408	426-341	411-329
50120W						
10070						
10090	894-715	826-661	753-602	642-514	536-429	518-414
100120W						
20070						
20090	1126-901	1040-832	949-759	809-647	676-541	652-522
200120W						
30070						
30090	1189-1031	1152-953	1086-869	926-741	774-619	746-597
300120W						
50070						
50090	1529-1223	1412-1130	1287-1030	1098-879	917-734	885-708
500120W						
80070						
80090	1788-1430	1652-1321	1506-1205	1285-1028	1073-858	1035-828
800120W						