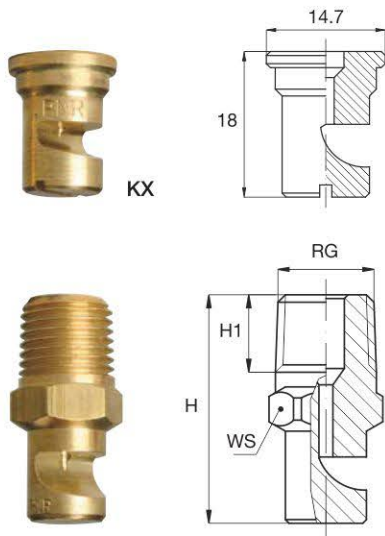


FLAT FAN JET NOZZLES

K



LARGE SPRAY ANGLE

Our K style flat fan jet nozzles work on a deflection principle; liquid flow is directed through the nozzle orifice onto a specifically engineered surface to produce a wide angle flat fan jet spray pattern, with medium impact value and medium size droplets.

The round outlet orifice on these nozzles and the unobstructed inside passages minimize the risk of clogging.

K style nozzles shown on the next page are available with a threaded connection and for flow capacity sizes 0390 to 2310; they are also available as a nozzle tip secured in place by a retaining nut.

Materials	B1	AISI 303 Stainless steel
	B31	AISI 316L Stainless steel
	T1	Brass

Thread size and dimensions

Code	RG inch	H mm	H1 mm	WS mm
KGW	1/8	25	10	14
KHW	1/4	34	12.5	14
KIW	3/8	44	13	17
KJW	1/2	49	17	22
KKW	3/4	65	20	36
KLW	1	92	26	46

How to compose the nozzle code

The nozzle shown on the next page can be supplied with same capacity and with different connection threads, the size is indicated by the second digit in the nozzle code. Therefore, the nozzle code is as shown in the following example.

KJW 2470 B31

|
1/2

Nozzle dimensions

Some nozzles may have different dimensions even when made with the same thread.

Dimensions given above always refer to the largest nozzle with a given thread size.

Please contact our offices for more detailed information on this.

Typical applications

Washing of fruits, vegetables, crushed stones & aggregates and any other product moving on a conveyor.
Cooling and washing of vertical surfaces and also for fire fighting purposes.

FLAT FAN JET NOZZLES

K

LARGE SPRAY ANGLE

KGW	KHW	KIW	KJW	KKW	KLW	KXW	D mm	Code	Capacity at different pressure values							lpm bar		Spray angle at press bar	
									0.5	1.0	2.0	3.0	4.0	5.0	7.0	1.5	4.0		
									0.6	0390	0.16	0.23	0.32	0.39	0.45	0.50	0.60	90	120
0.7	0590	0.24	0.34	0.48	0.59	0.68	0.76	0.90	105	120									
0.8	0780	0.32	0.45	0.64	0.78	0.90	1.01	1.19	110	125									
1.0	1120	0.49	0.69	0.98	1.20	1.39	1.55	1.83	105	122									
1.1	1160	0.65	0.92	1.31	1.60	1.85	2.07	2.44	110	130									
1.3	1200	0.82	1.15	1.63	2.00	2.31	2.58	3.06	120	130									
1.4	1230	0.94	1.33	1.88	2.30	2.66	2.97	3.51	110	125									
1.6	1310	1.27	1.79	2.53	3.10	3.58	4.00	4.74	120	130									
1.8	1390	1.59	2.25	3.18	3.90	4.50	5.03	5.96	130	140									
2.3	1590	2.41	3.41	4.82	5.90	6.81	7.62	9.01	120	130									
2.6	1780	3.18	4.50	6.37	7.80	9.01	10.1	11.9	130	140									
2.9	1940	3.84	5.43	7.68	9.40	10.9	12.1	14.4	140	150									
3.3	2117	4.78	6.75	9.55	11.7	13.5	15.1	17.9	110	120									
3.6	2141	5.76	8.14	11.5	14.1	16.3	18.2	21.5	120	130									
3.8	2157	6.41	9.06	12.8	15.7	18.1	20.3	24.0	120	130									
4.0	2172	7.02	9.93	14.0	17.2	19.9	22.2	26.3	125	135									
4.1	2188	7.68	10.9	15.4	18.8	21.7	24.3	28.7	130	140									
4.4	2210	8.57	12.1	17.1	21.0	24.2	27.1	32.1	135	145									
4.5	2230	9.39	13.3	18.8	23.0	26.6	29.7	35.1	110	120									
5.0	2270	11.0	15.6	22.0	27.0	31.2	34.9	41.2	115	125									
5.3	2310	12.7	17.9	25.3	31.0	35.8	40.0	47.4	125	135									
5.6	2350	14.3	20.2	28.6	35.0	40.4	45.2	53.5	130	140									
6.0	2390	15.9	22.5	31.8	39.0	45.0	50.3	59.6	130	140									
6.5	2470	19.2	27.1	38.4	47.0	54.3	60.7	71.8	135	140									
7.1	2550	22.5	31.8	44.9	55.0	63.5	71.0	84.0	135	145									
7.5	2630	25.7	36.4	51.4	63.0	72.7	81.3	96.2	140	150									
8.0	2700	28.6	40.4	57.2	70.0	80.8	90.4	107	130	140									
8.4	2780	31.8	45.0	63.7	78.0	90.1	101	119	135	145									
8.7	2860	35.1	49.7	70.2	86.0	99.3	111	131	135	145									
9.3	2940	38.4	54.3	76.8	94.0	109	121	144	140	150									
10.3	3110	44.9	63.5	89.8	110	127	142	168	125	135									
11.0	3125	51.0	72.2	102	125	144	161	191	130	135									
11.4	3141	57.6	81.4	115	141	163	182	215	130	135									
12.2	3164	67.0	94.7	134	164	189	212	251	135	145									
14.6	3235	95.9	136	192	235	271	303	359	130	135									
17.9	3350	143	202	286	350	404	452	535	130	135									



ZAA 1738 xx



VAA 0038 xx

Assembly accessories

KXW tips are normally secured with a retaining nut onto a welded nipple.

All details on accessories are shown in our catalogue CTG AC.