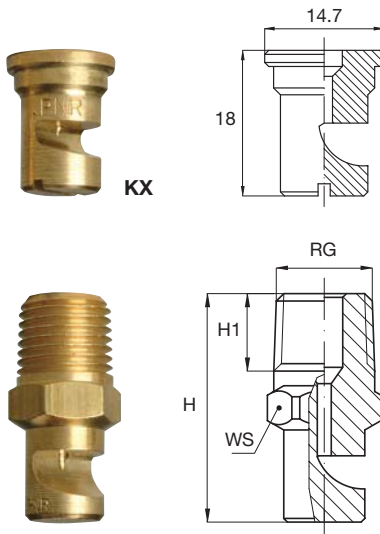


K



LARGE SPRAY ANGLE

K flat jet nozzles work on the deflection principle conveying a water vein onto a machined deflection surface, and produce a jet with a wide angle flat spray pattern, medium impact value and medium size droplets.

Their round outlet orifice and unobstructed inside passage minimize plugging risks.

K style nozzles shown on the next page are available with a threaded connection and, for capacity sizes from 0390 to 2310 also as a nozzle tip for assembly onto a nipple by means of a retaining nut.

Materials	B1	AISI 303 Stainless steel
	B3	AISI 316 Stainless steel
	T1	Brass

Thread size and dimensions

Code	RG inch	H mm	H1 mm	WS mm
KGW	1/8	31	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 has to be identified as in the following example.

KJW 2470 B3

1/2"

Nozzle dimensions

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

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

Please refer to our offices for detailed information.

Typical applications

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



LEHENGOTAK, S. A.

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

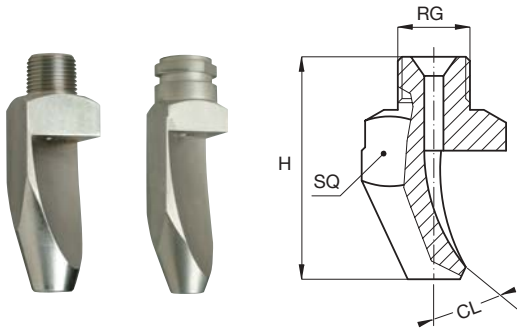
KXW tips are normally secured with a retaining nut onto a welded nipple.

All details on accessories are shown in our Catalogue CTG AC20.



LEHENGOMAK, S.A.

K



HIGH IMPACT TYPES

K flat jet nozzles work on the deflection principle conveying a water vein onto a deflection surface designed to produce a narrow jet with flat spray pattern, high impact value and medium size droplets.

Their round outlet orifice and unobstructed inside passages minimize plugging risks.

K style nozzles shown in this page are available with a threaded connection and, for the capacity sizes shown in the table, with a quick coupling connection for assembly onto the matching quick connection nipple.

Materials	B1	AISI 303 Stainless steel
	B3	AISI 316 Stainless steel
	T1	Brass

Thread size code

KOx	1/8"
KPx	1/4"
KQx	3/8"
KRx	1/2"
KSx	3/4"
KTx	QC

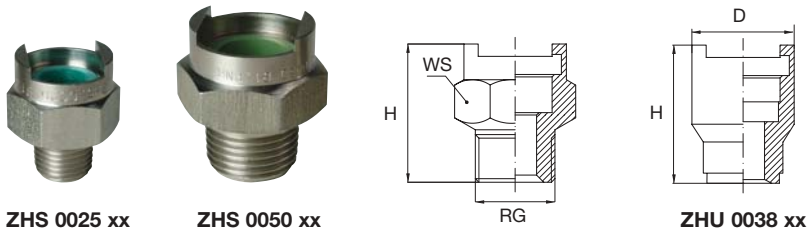
How to compose the nozzle code

The nozzle shown on this page can be supplied with same capacity and a different connection thread, the size is indicated by the second digit in the nozzle code. Therefore, the nozzle code has to be identified as in the following example.

KQB 2195 B3
|
3/8"

Quick coupling nipples

	Thread size inch	Standard size	Large size	H mm	WS mm	D mm
Male nipple	1/4	ZHS 0025 xx		29	22	
	3/8	ZHS 0038 xx		29	22	
	1/2		ZHS 0050 xx	35	30	
Female nipple	3/8	ZHT 0038 xx		29	22	
Welding nipple		ZHU 0038 xx	ZHU 0050 xx	32		28
Seal (Viton) for SS nipples	All	VDH 0026 E7	VDH 0050 E7			
Seal (BUNA) for brass nipples	All	VDH 0026 E8	VDH 0050 E8			



ZHS 0025 xx

ZHS 0050 xx

ZHU 0038 xx

HIGH IMPACT TYPES

	1/8"	1/4"	3/8"	1/2"	3/4"	QC	Code	DIA mm	Capacity at different pressure values						lpm bar	CL deg	H mm	SQ mm
									2.0	3.0	4.0	5.0	6.0	7.0	10			
15°		KPB KPB	KQB KQB KQB				1390	1.9	3.18	3.90	4.50	5.03	5.52	5.96	7.12	22	48	15
							1780	2.6	1780	6.37	7.80	9.01	10.1	11.0	11.9	14.2	19	54
							2117	3.2	9.55	11.7	13.5	15.1	16.5	17.9	21.4	25	72	20
							2156	3.7	12.7	15.6	18.0	20.1	22.1	23.8	28.5	18	92	
							2195	4.2	15.9	19.5	22.5	25.2	27.6	29.8	35.6	15	90	
							2230	4.6	18.8	23.0	26.6	29.7	32.5	35.1	42.0	14	125	25
							2310	5.3	25.3	31.0	35.8	40.0	43.8	47.4	56.6		130	
							2390	5.9	31.8	39.0	45.0	50.3	55.2	59.6	71.2		137	
25°		KPD				KSB	2780	8.4	63.7	78.0	90.1	101	110	119	142	14	191	30
							2156	3.7	12.7	15.6	18.0	20.1	22.1	23.8	28.5	25	65	20
	35°	KOH	KPH KPH				1160	1.2	1.31	1.60	1.85	2.07	2.26	2.44	2.92	40	23	12
							1390	1.9	3.18	3.90	4.50	5.03	5.52	5.96	7.12	36	37	15
							1780	2.6	6.37	7.80	9.01	10.1	11.0	11.9	14.2	30	43	20
							1980	2.9	8.00	9.80	11.3	12.7	13.9	15.0	17.9	28	49	
							2117	3.3	9.55	11.7	13.5	15.1	16.5	17.9	21.4	28	52	
							2156	3.7	12.7	15.6	18.0	20.1	22.1	23.8	28.5	26	58	
							2195	4.1	15.9	19.5	22.5	25.2	27.6	29.8	35.6	23	64	
							2230	4.5	18.8	23.0	26.6	29.7	32.5	35.1	42.0	22	73	25
40°			KQH KQH KQH KQH			KTH KTH	2310	5.3	25.3	31.0	35.8	40.0	43.8	47.4	56.6	24	81	
							2390	5.9	31.8	39.0	45.0	50.3	55.2	59.6	71.2	19	89	
							2630	7.5	51.4	63.0	72.7	81.3	89.1	96.2	115	23	114	32
							2780	8.4	63.7	78.0	90.1	101	110	119	142	22	122	
	50°	KPN KPN KPN	KQN KQN KQN KQN KQN KQN KQN				2156	3.7	12.7	15.6	18.0	20.1	22.1	23.8	28.5	35	60	25
							2195	4.1	15.9	19.5	22.5	25.2	27.6	29.8	35.6	33	64	
							2230	4.5	18.8	23.0	26.6	29.7	32.5	35.1	42.0	33	72	
							2270	5.0	22.0	27.0	31.2	34.9	38.2	41.2	49.3	29	75	
							2310	5.2	25.3	31.0	35.8	40.0	43.8	47.4	56.6	26	77	
							2350	5.7	28.6	35.0	40.4	45.2	49.5	53.5	63.9	28	77	
							2390	6.0	31.8	39.0	45.0	50.3	55.2	59.6	71.2	28	87	
							1390	1.9	3.18	3.90	4.50	5.03	5.52	5.96	7.12	60	31	15
50°		KPN KPN KPN	KQN KQN KQN KQN KQN KQN KQN				1980	2.9	8.00	9.80	11.3	12.7	13.9	15.0	17.9	42	41	20
							2156	3.7	12.7	15.6	18.0	20.1	22.1	23.8	28.5	45	47	
							2230	4.5	18.8	23.0	26.6	29.7	32.5	35.1	42.0	37	55	25
							2390	6.0	31.8	39.0	45.0	50.3	55.2	59.6	71.2	40	72	30
							2490	6.7	40.0	49.0	56.6	63.3	69.3	74.8	89.5	38	72	
							2630	7.5	51.4	63.0	72.7	81.3	89.1	96.2	115	37	72	
							2780	8.4	63.7	78.0	90.1	101	110	119	142	32	72	

Nozzle dimensions

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

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

Please refer to our offices for detailed information.

Typical Applications

- Washing of fruits, vegetables, crushed stones and any other product moving on a conveyor.
- High pressure cleaning processes
- Felt washing in paper making machines.



LEHENGOMAK, S.A.