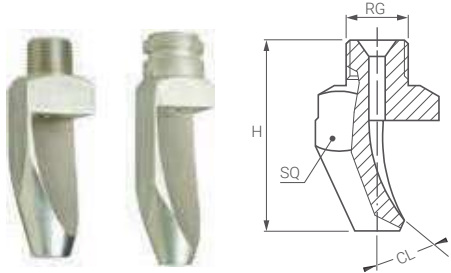


K (FLAT FAN NOZZLES / HIGH IMPACT TYPES)

HIGH IMPACT TYPES

The K series nozzles of this type are designed with a spoon-shaped deflected surface to concentrate the liquid flow and produce a narrow-angle flat fan spray with a high impact value. For this feature they are widely used in all working environments requiring powerful jets. Compared to the standard cat-eye-shaped flat fan nozzle tips, K nozzles have a larger and free inner passage and are less subject to clogging, provide high performance cleaning efficiency and have an extended operating life. They are designed with a specific angle (see ~ CL on the left drawing) between inlet orifice and spray orientation surface. These nozzles are available with standard male threads but also with quick coupling nipples to shorten maintenance time.



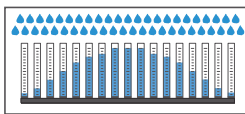
THREAD SPECIFICATION: BSPT, NPT

TYPICAL APPLICATIONS

cleaning of parts, crushed stone, road, aircrafts, vehicles and tanks.



Spray section



Convex distribution



THREAD SIZE CODE

KO x	1/8"
KP x	1/4"
KQ x	3/8"
KR x	1/2"
KS x	3/4"
KT x	QC

QUICK COUPLING NIPPLES

Name	Thread size (RG) inch	Standard size	Large size	H mm	CH mm	DIA mm
Male nipple	1/4"	ZHS 0025 xxQ1	-	29	22	-
	3/8"	ZHS 0038 xxQ1	-	29	22	-
	1/2"	-	ZHS 0050 xxQ2	35	30	-
Female nipple	3/8"	ZHT 0038 xxQ1	-	29	22	-
Welding nipple	-	ZHU 0038 xxQ1	ZHU 0050 xxQ2	32	-	28
Seal (Viton) for SS nipple	-	VDH BQ10 E7	VDH BQ20 E7	-	-	-
Seal (BUNA) for brass nipple	-	VDH BQ10 E8	VDH BQ20 E8	-	-	-



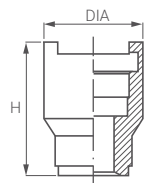
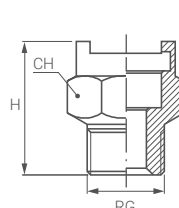
ZHS + KTH



ZHS 0025 xxQ1



ZHS 0050 xxQ2



ZHU 0038 xxQ1

HOW TO MAKE UP THE NOZZLE CODE

EX.: KPB 1390 B1

K P B 1390 xx

NOZZLE TYPE CONNECTION CAPACITY MATERIAL

SPRAY NOZZLE

CONNECTION

NOZZLE TYPE

CONNECTION

NOZZLE TYPE

CONNECTION

NOZZLE TYPE

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

- B - 15°
- D - 25°
- H - 35°
- L - 40°
- N - 50°

- O - 1/8"
- P - 1/4"
- Q - 3/8"
- R - 1/2"
- S - 3/4"
- T - Quick Connect

(FLAT FAN NOZZLES / HIGH IMPACT TYPES) **K**

HIGH IMPACT TYPES

		1/8"	1/4"	3/8"	1/2"	3/4"	QC	CODE	D mm	Capacity at different pressure values (l/min) (bar)							CL deg	H mm	SQ mm
										2.0	3.0	4.0	5.0	6.0	7.0	10			
15°		KPB					KTB	1390	1.9	3.18	3.90	4.50	5.03	5.52	5.96	7.12	22°	48	15
		KPB					KTB	1780	2.6	6.37	7.80	9.01	10.1	11.0	11.9	14.2	19°	54	
				KQB			KTB	2117	3.2	9.55	11.7	13.5	15.1	16.5	17.9	21.4	25°	72	20
				KQB			KTB	2156	3.7	12.7	15.6	18.0	20.1	22.1	23.8	28.5	18°	92	
				KQB			KTB	2195	4.2	15.9	19.5	22.5	25.2	27.6	29.8	35.6	15°	90	
					KRB			2230	4.6	18.8	23.0	26.6	29.7	32.5	35.1	42.0	14°	125	25
					KRB			2310	5.3	25.3	31.0	35.8	40.0	43.8	47.4	56.6	14°	130	
					KRB			2390	5.9	31.8	39.0	45.0	50.3	55.2	59.6	71.2	14°	137	
					KRB	KSB		2780	8.4	63.7	78.0	90.1	101	110	119	142	14°	191	30
									3.7	12.7	15.6	18.0	20.1	22.1	23.8	28.5	25°	65	20
25°		KPD					KTD	2156	3.7	12.7	15.6	18.0	20.1	22.1	23.8	28.5	25°	65	20
35°	KOH						KTH	1160	1.2	1.31	1.60	1.85	2.07	2.26	2.44	2.92	40°	23	12
		KPH					KTH	1390	1.9	3.18	3.90	4.50	5.03	5.52	5.96	7.12	36°	37	15
		KPH	KQH				KTH	1780	2.6	6.37	7.80	9.01	10.1	11.0	11.9	14.2	30°	43	20
		KPH	KQH				KTH	1980	2.9	8.00	9.80	11.3	12.7	13.9	15.0	17.9	28°	49	
		KPH	KQH				KTH	2117	3.3	9.55	11.7	13.5	15.1	16.5	17.9	21.4	28°	52	
			KQH				KTH	2156	3.7	12.7	15.6	18.0	20.1	22.1	23.8	28.5	26°	58	
			KQH				KTH	2195	4.1	15.9	19.5	22.5	25.2	27.6	29.8	35.6	23°	64	
				KRH			KTH	2230	4.5	18.8	23.0	26.6	29.7	32.5	35.1	42.0	22°	73	25
				KRH			KTH	2310	5.3	25.3	31.0	35.8	40.0	43.8	47.4	56.6	24°	81	
				KRH			KTH	2390	5.9	31.8	39.0	45.0	50.3	55.2	59.6	71.2	19°	89	
40°						KSH		2630	7.5	51.4	63.0	72.7	81.3	89.1	96.2	115	23°	114	32
						KSH		2780	8.4	63.7	78.0	90.1	101	110	119	142	22°	122	
			KQL				CTL	2156	3.7	12.7	15.6	18.0	20.1	22.1	23.8	28.5	35°	60	25
			KQL				CTL	2195	4.1	15.9	19.5	22.5	25.2	27.6	29.8	35.6	33°	64	
			KQL				CTL	2230	4.5	18.8	23.0	26.6	29.7	32.5	35.1	42.0	33°	72	
			KQL				CTL	2270	5.0	22.0	27.0	31.2	34.9	38.2	41.2	49.3	29°	75	
			KQL				CTL	2310	5.2	25.3	31.0	35.8	40.0	43.8	47.4	56.6	26°	77	
50°			KQL				CTL	2350	5.7	28.6	35.0	40.4	45.2	49.5	53.5	63.9	28°	77	
			KQL				CTL	2390	6.0	31.8	39.0	45.0	50.3	55.2	59.6	71.2	28°	87	
		KPN	KQN				KTN	1200	1.5	1.63	2.00	2.31	2.58	2.83	3.06	3.65	50°	31	15
		KPN	KQN				KTN	1270	1.6	2.20	2.70	3.12	3.49	3.82	4.12	4.93	50°	31	
		KPN	KQN				KTN	1390	1.9	3.18	3.90	4.50	5.03	5.52	5.96	7.12	60°	31	
		KPN	KQN				KTN	1980	2.9	8.00	9.80	11.3	12.7	13.9	15.0	17.9	42°	41	20
		KPN	KQN				KTN	2156	3.7	12.7	15.6	18.0	20.1	22.1	23.8	28.5	45°	47	
			KQN				KTN	2230	4.5	18.8	23.0	26.6	29.7	32.5	35.1	42.0	37°	55	25
			KQN				KTN	2390	6.0	31.8	39.0	45.0	50.3	55.2	59.6	71.2	40°	72	30
			KQN				KTN	2490	6.7	40.0	49.0	56.6	63.3	69.3	74.8	89.5	38°	72	
			KQN				KTN	2630	7.5	51.4	63.0	72.7	81.3	89.1	96.2	115	37°	72	
			KQN				KTN	2780	8.4	63.7	78.0	90.1	101	110	119	142	32°	72	

HOW TO MAKE UP
THE NOZZLE CODE

Ex.: KPB 1390 B1

