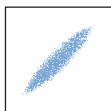


## HIGH IMPACT TYPES

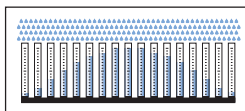
The K series nozzles of this type are designed with a spoon-shaped deflected surface to concentrate the liquid flow and produce a narrow-angle flat fan spray with a high impact value. For this feature they are widely used in all working environments requiring powerful jets. Compared to the standard cat-eye-shaped 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. Please contact our Sales department for more information.

■ **Thread specification:** BSPT, NPT

■ **Typical applications**  
cleaning of parts, crushed stone, road, aircrafts, vehicles and tanks.



Spray section



Convex distribution



## THREAD SIZE CODE

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

## QUICK COUPLING NIPPLES

Please refer to below table for dimensions and materials suitable for different uses.

Name	Thread size (RG) inch	Standard size	Large size	H mm	WS mm	D 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	-	-	-



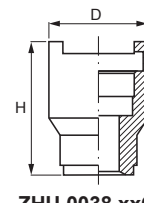
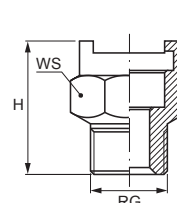
ZHS + KTH



ZHS 0025 xxQ1



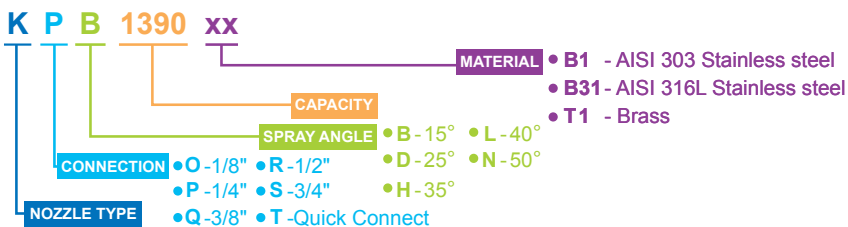
ZHS 0050 xxQ2



ZHU 0038 xxQ1

## HOW TO MAKE UP THE NOZZLE CODE

EX.: KPB 1390 B1



HIGH IMPACT TYPES

15°	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					1390	1.9	3.18	3.90	4.50	5.03	5.52	5.96	7.12	22°	48	15	
		KPB					1780	2.6	6.37	7.80	9.01	10.1	11.0	11.9	14.2	19°	54		
			KQB					2117	3.2	9.55	11.7	13.5	15.1	16.5	17.9	21.4	25°	72	20
			KQB					2156	3.7	12.7	15.6	18.0	20.1	22.1	23.8	28.5	18°	92	
			KQB					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	
					KSB		2780	8.4	63.7	78.0	90.1	101	110	119	142	14°	191	30	
25°		KPD					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					1390	1.9	3.18	3.90	4.50	5.03	5.52	5.96	7.12	36°	37	15	
		KPH	KQH				1780	2.6	6.37	7.80	9.01	10.1	11.0	11.9	14.2	30°	43	20	
			KQH				1980	2.9	8.00	9.80	11.3	12.7	13.9	15.0	17.9	28°	49		
			KQH				2117	3.3	9.55	11.7	13.5	15.1	16.5	17.9	21.4	28°	52		
			KQH				2156	3.7	12.7	15.6	18.0	20.1	22.1	23.8	28.5	26°	58		
			KQH				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			2390	5.9	31.8	39.0	45.0	50.3	55.2	59.6	71.2	19°	89		
					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			
40°			KQL				2156	3.7	12.7	15.6	18.0	20.1	22.1	23.8	28.5	35°	60	25	
			KQL				2195	4.1	15.9	19.5	22.5	25.2	27.6	29.8	35.6	33°	64		
			KQL				2230	4.5	18.8	23.0	26.6	29.7	32.5	35.1	42.0	33°	72		
			KQL				2270	5.0	22.0	27.0	31.2	34.9	38.2	41.2	49.3	29°	75		
			KQL				2310	5.2	25.3	31.0	35.8	40.0	43.8	47.4	56.6	26°	77		
			KQL				2350	5.7	28.6	35.0	40.4	45.2	49.5	53.5	63.9	28°	77		
		KQL				2390	6.0	31.8	39.0	45.0	50.3	55.2	59.6	71.2	28°	87			
50°		KPN					1390	1.9	3.18	3.90	4.50	5.03	5.52	5.96	7.12	60°	31	15	
		KPN	KQN				1980	2.9	8.00	9.80	11.3	12.7	13.9	15.0	17.9	42°	41	20	
			KQN				2156	3.7	12.7	15.6	18.0	20.1	22.1	23.8	28.5	45°	47		
			KQN				2230	4.5	18.8	23.0	26.6	29.7	32.5	35.1	42.0	37°	55	25	
			KQN				2390	6.0	31.8	39.0	45.0	50.3	55.2	59.6	71.2	40°	72	30	
			KQN				2490	6.7	40.0	49.0	56.6	63.3	69.3	74.8	89.5	38°	72		
			KQN				2630	7.5	51.4	63.0	72.7	81.3	89.1	96.2	115	37°	72		
			KQN				2780	8.4	63.7	78.0	90.1	101	110	119	142	32°	72		

FLAT FAN NOZZLES

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