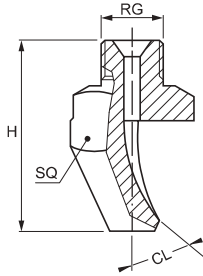
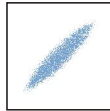


## HIGH IMPACT TYPES

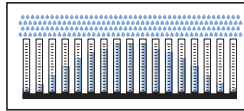
The K series nozzles of this type are designed with a spoon-shaped deflected surface to concentrate the liquid flow and produce a narrow-angle flat fan spray with a high impact value. For this feature they are widely used in all working environments requiring powerful jets. Compared to the standard cat-eye-shaped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



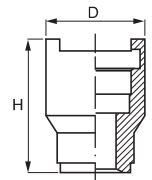
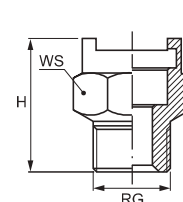
ZHS + KTH



ZHS 0025 xxQ1



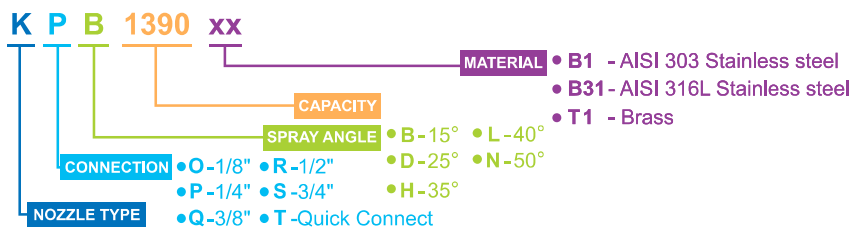
ZHS 0050 xxQ2



ZHU 0038 xxQ1

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EX.: KPB 1390 B1



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		KSB			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					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		
							KTH	1390	1.9	3.18	3.90	4.50	5.03	5.52	5.96	7.12	36°	37	15		
			KPH					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		KSH			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		
								2780	8.4	63.7	78.0	90.1	101	110	119	142	22°	122			
40°			KQL				KTL	2156	3.7	12.7	15.6	18.0	20.1	22.1	23.8	28.5	35°	60	25		
			KQL				KTL	2195	4.1	15.9	19.5	22.5	25.2	27.6	29.8	35.6	33°	64			
			KQL				KTL	2230	4.5	18.8	23.0	26.6	29.7	32.5	35.1	42.0	33°	72			
			KQL				KTL	2270	5.0	22.0	27.0	31.2	34.9	38.2	41.2	49.3	29°	75			
			KQL				KTL	2310	5.2	25.3	31.0	35.8	40.0	43.8	47.4	56.6	26°	77			
			KQL				KTL	2350	5.7	28.6	35.0	40.4	45.2	49.5	53.5	63.9	28°	77			
			KQL				KTL	2390	6.0	31.8	39.0	45.0	50.3	55.2	59.6	71.2	28°	87			
50°		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			
		KPN	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			

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