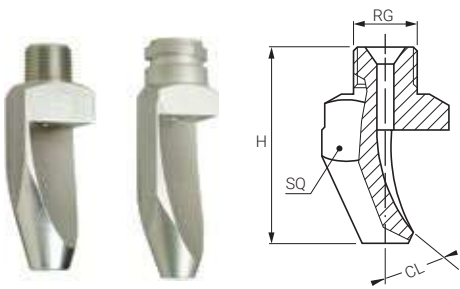


K (FLAT FAN NOZZLES / HIGH IMPACT TYPES)

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.



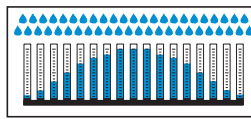
THREAD SPECIFICATION: BSPT, NPT

TYPICAL APPLICATIONS

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



Spray section



Convex distribution



THREAD SIZE CODE

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



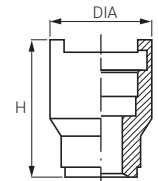
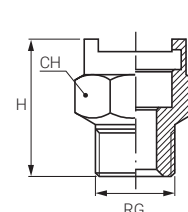
ZHS + KTH



ZHS 0025 xxQ1



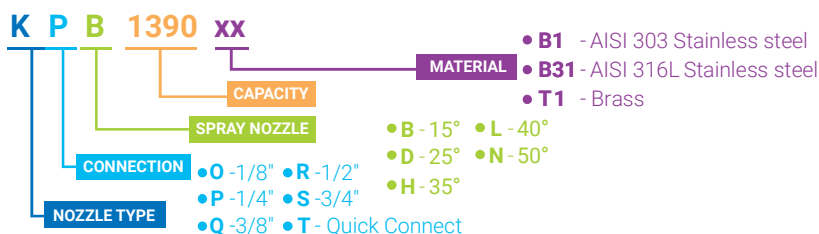
ZHS 0050 xxQ2



ZHU 0038 xxQ1

HOW TO MAKE UP THE NOZZLE CODE

EX.: KPB 1390 B1



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

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

HOW TO MAKE UP THE NOZZLE CODE
Ex.: KPB 1390 B1

