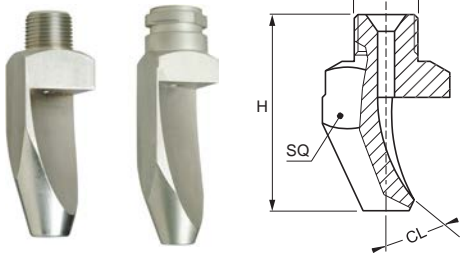
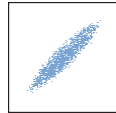


HIGH IMPACT TYPES

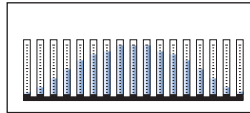
The K series nozzles of this type are designed with a spoon-shaped deflected surface to concentrate the liquid flow and produce a narrow-angle flat fan spray with a high impact value. For this feature they are widely used in all working environments requiring powerful jets. Compared to the standard cat-eye-shaped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

K O x	1/8"
K P x	1/4"
K Q x	3/8"
K R x	1/2"
K S x	3/4"
K T x	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	-	-	-



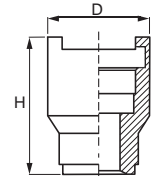
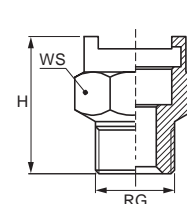
ZHS + KTH



ZHS 0025 xxQ1



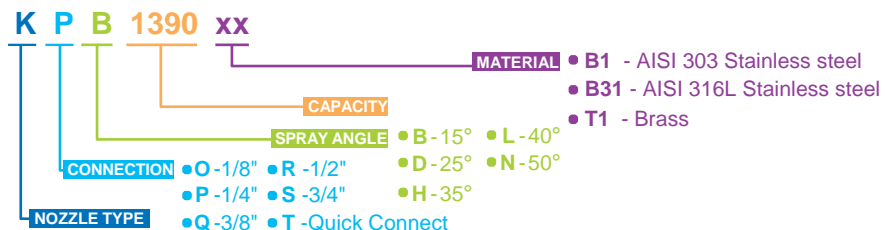
ZHS 0050 xxQ2



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 KPB							
			KQB KQB KQB				2117 2156 2195 2230 2310 2390 2780	3.2 3.7 4.2 4.6 5.3 5.9 8.4	9.55 12.7 15.9 18.8 25.3 31.8 63.7	11.7 15.6 19.5 23.0 31.0 39.0 78.0	13.5 18.0 22.5 26.6 35.8 45.0 90.1	15.1 20.1 25.2 29.7 40.0 50.3 101	16.5 22.1 27.6 32.5 43.8 55.2 110	17.9 23.8 29.8 35.1 47.4 59.6 119	21.4 28.5 35.6 42.0 56.6 71.2 142	25° 18° 15° 14° 14° 14° 14°	72 92 90 125 130 137 191	20 25 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	KPH KPH	KQH KQH KQH KQH			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 23.0 31.0 39.0 63.0 78.0	1.85 4.50 9.01 11.3 12.7 13.5 18.0 22.5 26.6 35.8 45.0 72.7 90.1	2.07 5.03 10.1 12.7 13.9 15.1 20.1 25.2 29.7 40.0 50.3 81.3 101	2.26 5.52 11.0 11.0 11.9 16.5 21.4 27.6 32.5 43.8 55.2 89.1 110	2.44 5.96 7.12 11.9 14.2 17.9 21.4 23.8 29.8 35.6 47.4 59.6 96.2 119	2.92 7.12 14.2 15.0 17.9 21.4 26° 23° 22° 19° 23° 22°	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 32
40°			KQL KQL KQL KQL KQL KQL				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	KQN KQN KQN KQN KQN KQN				1390 1980 2156 2230 2390 2490 2630 2780	1.9 2.9 3.7 4.5 6.0 6.7 7.5 8.4	3.18 8.00 12.7 18.8 31.8 40.0 51.4 63.7	3.90 9.80 15.6 23.0 39.0 49.0 63.0 78.0	4.50 11.3 18.0 26.6 45.0 56.6 72.7 90.1	5.03 12.7 20.1 29.7 50.3 63.3 81.3 101	5.52 13.9 22.1 32.5 55.2 69.3 89.1 110	5.96 15.0 23.8 35.1 59.6 74.8 96.2 119	7.12 17.9 28.5 42.0 71.2 89.5 115 142	60° 42° 45° 37° 40° 38° 37° 32°	31 41 47 55 72 72 72 72	15 20 25 30

FLAT FAN NOZZLES

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

