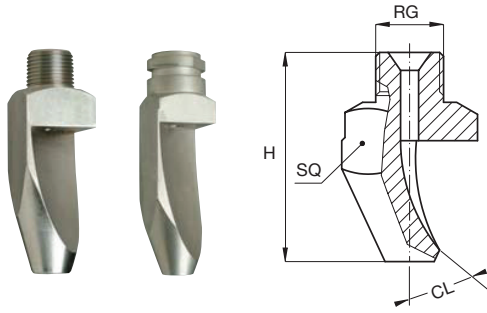


FLAT JET NOZZLES

K



HIGH IMPACT TYPES

K flat jet nozzles work on the deflection principle conveying a water vein onto a deflection surface designed to produce a narrow jet with flat spray pattern, high impact value and medium size droplets. Their round outlet orifice and unobstructed inside passages minimize plugging risks. K style nozzles shown in this page are available with a threaded connection and, for the capacity sizes shown in the table, with a quick coupling connection for assembly onto the matching quick connection nipple.

- Materials
- B1 AISI 303 Stainless steel
 - B3 AISI 316 Stainless steel
 - T1 Brass

Thread size code

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

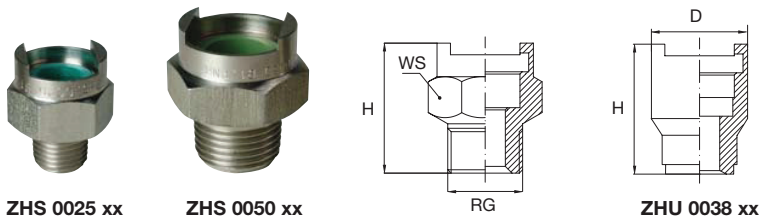
How to compose the nozzle code

The nozzle shown on this page can be supplied with same capacity and a different connection thread, the size is indicated by the second digit in the nozzle code. Therefore, the nozzle code has to be identified as in the following example.

KQB 2195 B3
 |
3/8"

Quick coupling nipples


	Thread size inch	Standard size	Large size	H mm	WS mm	D mm
Male nipple	1/4	ZHS 0025 xx		29	22	
	3/8	ZHS 0038 xx		29	22	
	1/2		ZHS 0050 xx	35	30	
Female nipple	3/8	ZHT 0038 xx		29	22	
Welding nipple		ZHU 0038 xx	ZHU 0050 xx	32		28
Seal (Viton) for SS nipples	All	VDH 0026 E7	VDH 0050 E7			
Seal (BUNA) for brass nipples	All	VDH 0026 E8	VDH 0050 E8			



FLAT JET NOZZLES

K

HIGH IMPACT TYPES

	1/8"	1/4"	3/8"	1/2"	3/4"	QC	Code	DIA mm	Capacity at different pressure values (lpm) (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				1390	1.9	3.18	3.90	4.50	5.03	5.52	5.96	7.12	22	48	15	
							1780	2.6	1780	6.37	7.80	9.01	10.1	11.0	11.9	14.2	19	54	
							2117	3.2	9.55	11.7	13.5	15.1	16.5	17.9	21.4	25	72	20	
							2156	3.7	12.7	15.6	18.0	20.1	22.1	23.8	28.5	18	92		
							2195	4.2	15.9	19.5	22.5	25.2	27.6	29.8	35.6	15	90		
							2230	4.6	18.8	23.0	26.6	29.7	32.5	35.1	42.0	14	125	25	
							2310	5.3	25.3	31.0	35.8	40.0	43.8	47.4	56.6		130		
							2390	5.9	31.8	39.0	45.0	50.3	55.2	59.6	71.2		137		
2780	8.4	63.7	78.0	90.1	101	110	119	142	14	191	30								
25°		KPD			KSB		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 KQH				1160	1.2	1.31	1.60	1.85	2.07	2.26	2.44	2.92	40	23	12	
							1390	1.9	3.18	3.90	4.50	5.03	5.52	5.96	7.12	36	37	15	
							1780	2.6	6.37	7.80	9.01	10.1	11.0	11.9	14.2	30	43	20	
							1980	2.9	8.00	9.80	11.3	12.7	13.9	15.0	17.9	28	49		
							2117	3.3	9.55	11.7	13.5	15.1	16.5	17.9	21.4	28	52		
							2156	3.7	12.7	15.6	18.0	20.1	22.1	23.8	28.5	26	58		
							2195	4.1	15.9	19.5	22.5	25.2	27.6	29.8	35.6	23	64		
							2230	4.5	18.8	23.0	26.6	29.7	32.5	35.1	42.0	22	73	25	
							2310	5.3	25.3	31.0	35.8	40.0	43.8	47.4	56.6	24	81		
							2390	5.9	31.8	39.0	45.0	50.3	55.2	59.6	71.2	19	89		
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				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 KPN KPN	KQN KQN KQN KQN KQN KQN				1390	1.9	3.18	3.90	4.50	5.03	5.52	5.96	7.12	60	31	15	
							1980	2.9	8.00	9.80	11.3	12.7	13.9	15.0	17.9	42	41	20	
							2156	3.7	12.7	15.6	18.0	20.1	22.1	23.8	28.5	45	47		
							2230	4.5	18.8	23.0	26.6	29.7	32.5	35.1	42.0	37	55	25	
							2390	6.0	31.8	39.0	45.0	50.3	55.2	59.6	71.2	40	72	30	
							2490	6.7	40.0	49.0	56.6	63.3	69.3	74.8	89.5	38	72		
							2630	7.5	51.4	63.0	72.7	81.3	89.1	96.2	115	37	72		
							2780	8.4	63.7	78.0	90.1	101	110	119	142	32	72		

Nozzle dimensions

Some nozzles may have different dimensions even when made with the same thread.

Dimensions given above refer always to the largest nozzle with a given thread size.

Please refer to our offices for detailed information.

Typical Applications

- Washing of fruits, vegetables, crushed stones and any other product moving on a conveyor.
- High pressure cleaning processes
- Felt washing in paper making machines.