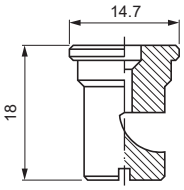
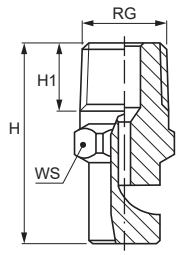
KX



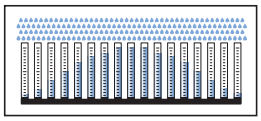


LARGE SPRAY ANGLE

K flat fan nozzles work on the deflection principle conveying a water vein onto a machined deflection surface, and produce a jet with a wide angle flat spray pattern, medium impact value and medium size droplets. Between their inlet orifice and spray orientation there is a 75° angle (see below). Their round outlet orifice and free inside passage minimize the risk of clogging. In addition, compared to standard flat fan nozzles working with a limited operating pressure, the K series models with large spray angles produce an excellent mist effect. These K nozzles are available with threaded connections, for capacities from 0390 and 3350, and also as tips to be assembled onto a nipple by means of a retaining nut. An alternative option are the KX types.

- **Thread specification**: BSPT, NPT

Spray section

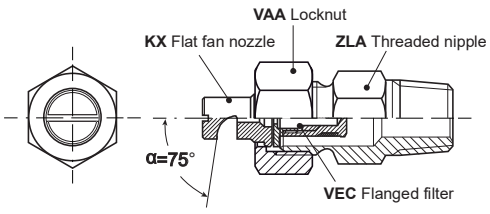


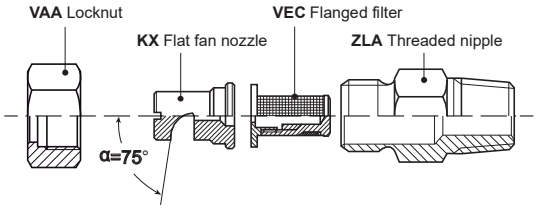
Convex distribution

THREAD SIZE AND DIMENSIONS

Here below please find available thread sizes and nozzles dimensions. Different capacities correspond to different deflection angles. The external dimensions may differ even if the thread size is the same. The table includes the largest nozzles with a given thread size. Please contact our Sales department for more information.

Code	RG inch	H mm	H1 mm	CH mm
KGW	1/8"	24,0 (from 0390 to 1120)	8,5	12
		25,0 (from 1160 to 1940)	9,0	
		31,0 (from 2117 to 2157)	10,0	14
KHW	1/4"	31,0 (from 1160 to 1940)	12,5	14
		34,0 (from 2117 to 2210)		
KIW	3/8"	44,0 (all codes)	13,0	17
KJW	1/2"	49,0 (all codes)	17,0	22
KKW	3/4"	56,0 (from 2700 to 2940)	20,0	36
		65,0 (from 3110 to 3164)		
KLW	1"	92,0 (all codes)	26,0	46





ASSEMBLY FITTINGS

The below illustration shows the assembly of a KX nozzle tip (in the middle) with a nipple and a locknut.

Locknut **Flat fan nozzle** **Welding nipple**

Typical applications

Washing: fruits, vegetables, crushed stones, other
Spray: rolling oil, release agents, coolants
Cooling: metal parts, bottles
Other applications: foam dispersion, fire-fighting systems, water curtains

HOW TO MAKE UP THE **NOZZLE CODE**

EX.: KGW 0390 B1

K G W 0390 xx

- **MATERIAL**: • **B1** - AISI 303 Stainless steel • **B31**- AISI 316L Stainless steel • **T1** - Brass
- **CAPACITY**
- **SPRAY ANGLE**: • **W**- 120°(Wide spray angle) • **X** - Ø14.7
- **CONNECTION**: • **G** -1/8" • **J** -1/2" • **H** -1/4" • **K** -3/4" • **I** -3/8" • **L** -1"
- **NOZZLE TYPE**

LARGE SPRAY ANGLE

KGW 1/8"	KHW 1/4"	KIW 3/8"	KJW 1/2"	KKW 3/4"	KLW 1"	KXW	D mm	Code	Capacity at different pressure values (l/min) (bar)							Spray angle (°) at pressure (bar)	
									0.5	1.0	2.0	3.0	4.0	5.0	7.0	1.5	4.0
•						•	0.6	**0390**	0.16	0.23	0.32	0.39	0.45	0.50	0.60	90°	120°
•						•	0.7	**0590**	0.24	0.34	0.48	0.59	0.68	0.76	0.90	105°	120°
•						•	0.8	**0780**	0.32	0.45	0.64	0.78	0.90	1.01	1.19	110°	125°
•						•	1.0	**1120**	0.49	0.69	0.98	1.20	1.39	1.55	1.83	105°	122°
•	•					•	1.1	**1160**	0.65	0.92	1.31	1.60	1.85	2.07	2.44	110°	130°
•	•					•	1.3	**1200**	0.82	1.15	1.63	2.00	2.31	2.58	3.06	120°	130°
•	•					•	1.4	**1230**	0.94	1.33	1.88	2.30	2.66	2.97	3.51	110°	125°
•	•					•	1.6	**1310**	1.27	1.79	2.53	3.10	3.58	4.00	4.74	120°	130°
•	•					•	1.8	**1390**	1.59	2.25	3.18	3.90	4.50	5.03	5.96	130°	140°
•	•					•	2.3	**1590**	2.41	3.41	4.82	5.90	6.81	7.62	9.01	120°	130°
•	•					•	2.6	**1780**	3.18	4.50	6.37	7.80	9.01	10.1	11.9	130°	140°
•	•					•	2.9	**1940**	3.84	5.43	7.68	9.40	10.9	12.1	14.4	140°	150°
•	•					•	3.3	**2117**	4.78	6.75	9.55	11.7	13.5	15.1	17.9	110°	120°
•	•					•	3.6	**2141**	5.76	8.14	11.5	14.1	16.3	18.2	21.5	120°	130°
•	•					•	3.8	**2157**	6.41	9.06	12.8	15.7	18.1	20.3	24.0	120°	130°
	•					•	4.0	**2172**	7.02	9.93	14.0	17.2	19.9	22.2	26.3	125°	135°
	•					•	4.1	**2188**	7.68	10.9	15.4	18.8	21.7	24.3	28.7	130°	140°
	•					•	4.4	**2210**	8.57	12.1	17.1	21.0	24.2	27.1	32.1	135°	145°
		•				•	4.5	**2230**	9.39	13.3	18.8	23.0	26.6	29.7	35.1	110°	120°
		•				•	5.0	**2270**	11.0	15.6	22.0	27.0	31.2	34.9	41.2	115°	125°
		•	•			•	5.3	**2310**	12.7	17.9	25.3	31.0	35.8	40.0	47.4	125°	135°
		•	•				5.6	**2350**	14.3	20.2	28.6	35.0	40.4	45.2	53.5	130°	140°
			•				6.0	**2390**	15.9	22.5	31.8	39.0	45.0	50.3	59.6	130°	140°
			•				6.5	**2470**	19.2	27.1	38.4	47.0	54.3	60.7	71.8	135°	140°
			•				7.1	**2550**	22.5	31.8	44.9	55.0	63.5	71.0	84.0	135°	145°
			•				7.5	**2630**	25.7	36.4	51.4	63.0	72.7	81.3	96.2	140°	150°
				•			8.0	**2700**	28.6	40.4	57.2	70.0	80.8	90.4	107	130°	140°
				•			8.4	**2780**	31.8	45.0	63.7	78.0	90.1	101	119	135°	145°
				•			8.7	**2860**	35.1	49.7	70.2	86.0	99.3	111	131	135°	145°
				•			9.3	**2940**	38.4	54.3	76.8	94.0	109	121	144	140°	150°
				•			10.3	**3110**	44.9	63.5	89.8	110	127	142	168	125°	135°
				•			11.0	**3125**	51.0	72.2	102	125	144	161	191	130°	135°
				•			11.4	**3141**	57.6	81.4	115	141	163	182	215	130°	135°
				•			12.2	**3164**	67.0	94.7	134	164	189	212	251	135°	145°
					•		14.6	**3235**	95.9	136	192	235	271	303	359	130°	135°
					•		17.9	**3350**	143	202	286	350	404	452	535	130°	135°

ASSEMBLY ACCESSORIES

KX series nozzles are assembled with pipe clamp, welding nipple and locknut.
Our assembly accessories are available in many different types and materials. Please see on page 44 for more information.

Name	Code and material	Appearance	Model no.	
			3/8" Standard size	3/4" Large size
Locknut P.88	B1 - AISI 303 SS B31- AISI 316L SS T1 - Brass D6 - Fiberglass reinforced PP		VAA 0380 xxB	VAA 0750 xxB
Welding nipple P.89	B1 - AISI 303 SS B31- AISI 316L SS		ZAA C018 xxG	ZAA E027 xxG
Threaded nipple P.89	B1 - AISI 303 SS B31- AISI 316L SS T1 - Brass		ZLA 2538 xxB	ZLA 7575 xxB
Metal pipe clamp P.87	B1 - AISI 303 SS T1 - Brass		ZPM	–
Plastic pipe clamp P.86	D6 - Fiberglass reinforced PP		ZPB 0050 D6	–