

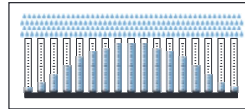
LOW CAPACITY

Flat fan nozzle tips are usually mounted onto a pipe by means of a welded nipple or a clamp, and secured in place with a retaining nut. They can be easily replaced and the jet can be conveniently oriented in the desired direction.

The tips models shown on this page delivery very low flow values. Their precisely machined small orifices can be protected from clogging by means of a filter assembled inside our nipples and clamps that are designed for this purpose. Please find more information on page 44.



Spray section



Convex distribution

• **Connection:** Flange

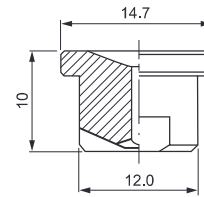
• **Typical applications**

Washing: semiconductor and precision parts cleaning

Cooling: continuous casting, product cooling

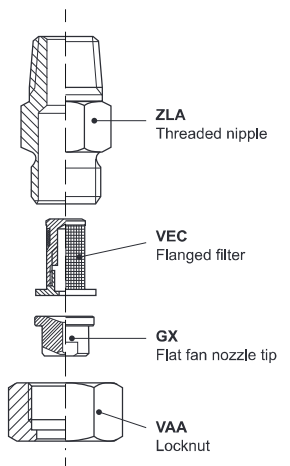
Lubrication: spray of lubricating oils and release agents

Other applications: spray of flavouring agents, cooling oil and antifoulant chemicals



GXD 25°	GXL 40°	GXN 50°	GXR 65°	Capacity code	D mm	Capacity at different pressure values									(l/min) (bar)
						0.5	1.0	1.5	2.0	3.0	4.0	5.0	7.0	10	
			•	0060	0.28	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.11	
			•	0100	0.34	0.05	0.06	0.07	0.08	0.10	0.12	0.13	0.15	0.18	
			•	0130	0.38	0.06	0.08	0.09	0.11	0.13	0.15	0.17	0.20	0.24	
•	•	•	•	0150	0.40	0.07	0.09	0.11	0.12	0.15	0.17	0.19	0.23	0.27	
•	•	•	•	0200	0.46	0.08	0.12	0.14	0.16	0.20	0.23	0.26	0.31	0.37	
•	•	•	•	0260	0.53	0.11	0.15	0.18	0.21	0.26	0.30	0.34	0.40	0.47	
•	•	•	•	0390	0.66	0.16	0.23	0.28	0.32	0.39	0.45	0.50	0.60	0.71	
•	•	•	•	0590	0.79	0.24	0.34	0.42	0.48	0.59	0.68	0.76	0.90	1.08	

GXS 75°	GXT 80°	GXV 95°	GXJ 110°	Capacity code	D mm	Capacity at different pressure values									(l/min) (bar)
						0.5	1.0	1.5	2.0	3.0	4.0	5.0	7.0	10	
•				0100	0.34	0.05	0.06	0.07	0.08	0.10	0.12	0.13	0.15	0.18	
•				0130	0.38	0.06	0.08	0.09	0.11	0.13	0.15	0.17	0.20	0.24	
•	•	•	•	0150	0.40	0.07	0.09	0.11	0.12	0.15	0.17	0.19	0.23	0.27	
•	•	•	•	0200	0.46	0.08	0.12	0.14	0.16	0.20	0.23	0.26	0.31	0.37	
•	•	•	•	0260	0.53	0.11	0.15	0.18	0.21	0.26	0.30	0.34	0.40	0.47	
•	•	•	•	0390	0.66	0.16	0.23	0.28	0.32	0.39	0.45	0.50	0.60	0.71	
•	•	•	•	0590	0.79	0.24	0.34	0.42	0.48	0.59	0.68	0.76	0.90	1.08	



Assembly fittings

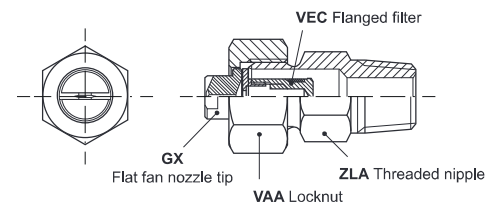
MATERIAL PROCESSING

Because of the extreme difficulty of working hard materials such as stainless steels with very small profile drills, not all the capacity sizes shown in the nozzle table are available in all materials. The table below shows the minimum capacity values we can produce for each given material. Please contact our sales for more information.

Material	0060	0100	0130	0150	0200	0260	0390	0590	0780
B31 - AISI 316L SS					•	•	•	•	• ⁽¹⁾
B1 - AISI 303 SS	•	•	•	•	•	•	•	•	• ⁽²⁾
T1 - Brass	•	•	•	•	•	•	•	•	• ⁽²⁾

(1) Low capacity body

(2) Standard capacity body



HOW TO MAKE UP THE NOZZLE CODE

EX.: GXD 0390 B1

GX **D** **0390** **XX**

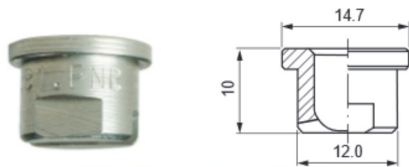
NOZZLE TYPE

SPRAY ANGLE

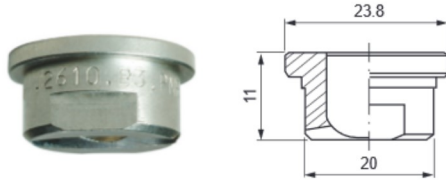
• **D** - 25°
• **L** - 40°
• **N** - 50°
• **R** - 65°
• **S** - 73°
• **T** - 80°
• **V** - 95°
• **J** - 110°

MATERIAL

• **B1** - AISI 303 Stainless steel
• **B31** - AISI 316L Stainless steel
• **T1** - Brass



3/8" Standard capacity



3/4" Large capacity

STANDARD AND LARGE CAPACITIES

Flat fan nozzle tips are usually mounted onto a pipe by means of a welded 3/8" nipple or a clamp, and secured in place with a retaining nut. They can be easily replaced and their jet can be conveniently oriented in the desired direction. These nozzle tips are available in two types: 3/8" standard capacity and 3/4" large capacity. The tip is assembled with a pipe clamp, a welding nipple and a locknut. Please find more information on page 44.

Typical applications

Washing: filter cloth cleaning, parts cleaning, vehicles cleaning

Cooling: steel cooling, product cooling

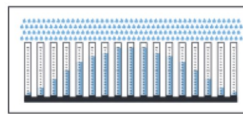
Lubrication: spray of lubricating oil and release agents

Other applications: spray of antifoulant chemicals, etc.

Connection: Flange



Spray section



Convex distribution



NEW

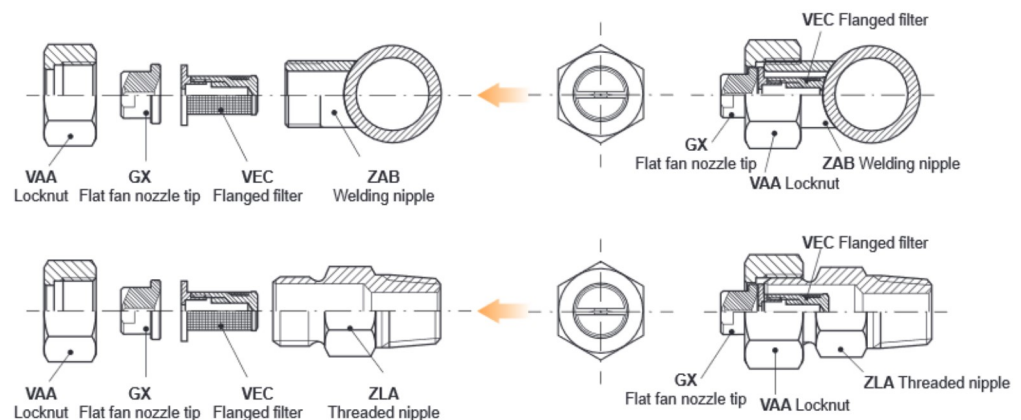
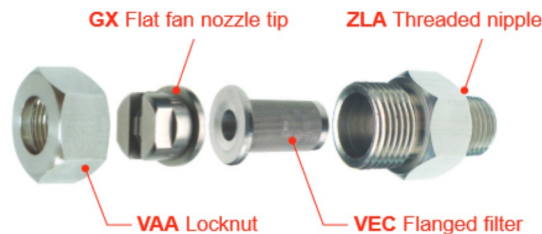
Also available in high quality PVDF

SPRAY ANGLE CODES

GXA	GXF	GXM	GXQ	GXU	GXW
0°	30°	45°	60°	90°	120°

ASSEMBLY FITTINGS

This illustration shows a typical assembly of a nozzle tip with a locknut and a welding nipple.



HOW TO MAKE UP THE NOZZLE CODE

EX.: GXA 1310 B1

GX **A** **1310** **XX**

NOZZLE TYPE

SPRAY ANGLE

CAPACITY

MATERIAL

- A - 0°
- F - 30°
- M - 45°
- Q - 60°
- U - 90°
- W - 120°

- B1 - AISI 303 Stainless steel
- B31 - AISI 316L Stainless steel
- T1 - Brass
- D8 - PVDF

3/8" STANDARD CAPACITY TIPS

GXA 0°	GXF 30°	GXM 45°	GXQ 60°	GXU 90°	GXW 120°	Code	D mm	Capacity at different pressure values									(l/min) (bar)
								0.5	1.0	1.5	2.0	3.0	4.0	5.0	7.0	10	
•	•	•	•	•	•	0780	0.91	0.32	0.45	0.55	0.64	0.78	0.90	1.01	1.19	1.42	
•	•	•	•	•	•	1120	1.10	0.49	0.69	0.85	0.98	1.20	1.39	1.55	1.83	2.19	
•	•	•	•	•	•	1160	1.30	0.65	0.92	1.13	1.31	1.60	1.85	2.07	2.44	2.92	
•	•	•	•	•	•	1190	1.30	0.78	1.10	1.34	1.55	1.90	2.19	2.45	2.90	3.47	
•	•	•	•	•	•	1233	1.50	0.95	1.35	1.65	1.90	2.33	2.69	3.01	3.56	4.25	
•	•	•	•	•	•	1310	1.70	1.27	1.79	2.19	2.53	3.10	3.58	4.00	4.74	5.66	
•	•	•	•	•	•	1385	1.80	1.57	2.22	2.72	3.14	3.85	4.45	4.97	5.88	7.03	
•	•	•	•	•	•	1490	2.10	2.00	2.83	3.46	4.00	4.90	5.66	6.33	7.48	8.95	
•	•	•	•	•	•	1581	2.30	2.37	3.35	4.11	4.74	5.81	6.71	7.50	8.87	10.6	
•	•	•	•	•	•	1780	2.70	3.18	4.50	5.52	6.37	7.80	9.01	10.1	11.9	14.2	
•	•	•	•	•	•	1980	3.00	4.00	5.66	6.93	8.00	9.80	11.3	12.7	15.0	17.9	
•	•	•	•	•	•	2124	3.40	5.06	7.16	8.77	10.1	12.4	14.3	16.0	18.9	22.6	
•	•	•	•	•	•	2153	3.80	6.25	8.83	10.8	12.5	15.3	17.7	19.8	23.4	27.9	
•	•	•	•	•	•	2194	4.30	7.92	11.2	13.7	15.8	19.4	22.4	25.0	29.6	35.4	
•	•	•	•	•	•	2245	4.80	10.0	14.1	17.3	20.0	24.5	28.3	31.6	37.4	44.7	

IMPORTANT:
nozzle GXx 0780 B31 is made with "low capacity" body, while when it's fabricated with other materials is made with "standard capacity" body.

FLAT FAN · STRAIGHT

3/4" LARGE CAPACITY TIPS

GXA 0°	GXF 30°	GXM 45°	GXQ 60°	GXU 90°	GXW 120°	Code	D mm	Capacity at different pressure values									(l/min) (bar)
								0.5	1.0	1.5	2.0	3.0	4.0	5.0	7.0	10	
•	•	•	•	•	•	1781	2.70	3.18	4.50	5.52	6.37	7.80	9.01	10.1	11.9	14.2	
•	•	•	•	•	•	1981	3.00	4.00	5.66	6.93	8.00	9.80	11.3	12.7	15.0	17.9	
•	•	•	•	•	•	2125	3.40	5.06	7.16	8.77	10.1	12.4	14.3	16.0	18.9	22.6	
•	•	•	•	•	•	2154	3.80	6.25	8.83	10.8	12.5	15.3	17.7	19.8	23.4	27.9	
•	•	•	•	•	•	2195	4.30	7.92	11.2	13.7	15.8	19.4	22.4	25.0	29.6	35.4	
•	•	•	•	•	•	2246	4.80	10.0	14.1	17.3	20.0	24.5	28.3	31.6	37.4	44.7	
•	•	•	•	•	•	2311	5.40	12.7	18.0	22.0	25.4	31.1	35.9	40.1	47.5	56.8	
•	•	•	•	•	•	2490	6.40	20.0	28.3	34.6	40.0	49.0	56.6	63.3	74.8	89.5	
•	•	•	•	•	•	2610	7.50	24.9	35.2	43.1	49.8	61.0	70.4	78.8	93.2	111	
•	•	•	•	•	•	2760	8.30	31.0	43.9	53.7	62.1	76.0	87.8	98.1	116	139	
•	•	•	•	•	•	3122	12.5	49.8	70.4	86.3	99.6	122	141	158	186	223	

ASSEMBLY FITTINGS CODING

Name	Code and material	Appearance	Standard size 3/8"	Large size 3/4"
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	—
Plastic bayonet pipe clamp P.86	D82 - PVDF		ZPC 0500 D82P	—
Flanged filter P.92	B1 - AISI 303 SS B31- AISI 316L SS T1 - Brass D3 - Polyamide		VEC 0138 xx	—