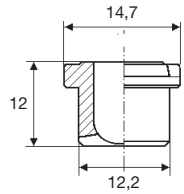
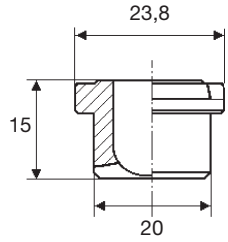
GY





STANDARD AND LARGE CAPACITIES

GY flat fan jet nozzle tips are mounted onto a pipe using a welded 3/8" nipple with a dovetail profile and secured in place with a retaining nut. This means they can easily be replaced and that the jet can be fixed into the appropriate orientation using the dovetail system.
The tip models shown on this page deliver the most popular flow capacity values; these larger capacities and sizes can be manufactured on request and delivered complete with matching nipples and retaining nuts. Higher capacity tips are assembled onto 3/4" nipples.
See nipple and retaining nut codes at the bottom of the next page.

Materials	**B1**	**AISI 303 Stainless steel**
	B31	AISI **316L Stainless steel**
	T1	**Brass**

How to compose the nozzle code

The nozzle tips shown on this page can be supplied with six different spray angles with flow values indicated by the third digit in the nozzle code. Therefore the nozzle tip code is indicated as in the following example.

GYQ 1780 B31

60°

Codes for the different spray angles are listed in the table adjacent.

Dovetail nipples

GY type tips are assembled with their own series of matching dovetail nipples to ensure perfect alignment. The two tip sizes require nipples and caps as illustrated in the last table on the adjacent page.
Please note that the right flat fan jet orientation is automatically achieved by welding the dovetail nipples on to the pipe with the dovetail aligned along the pipe axis.
This is easily done by running a straight rule across the dovetail profile machined on top of the nipple.

Spray angle codes

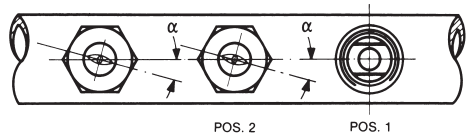
GYA	GYF	GYM	GYQ	GYU	GYW
0°	30°	45°	60°	90°	120°

Typical assembly with dovetail nipple and nut.

Welding nipples

ZAC 1738 xx

ZAC 2775 xx



See values for jet deviation angle (α) beside capacity tables next page.

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STANDARD AND LARGE CAPACITIES

Standard capacity tips — *Jet deviation angle α = 5°*

GYF	GYM	GYQ	GYU	GYW	Code	Capacity at different pressure values lpm bar								
						0.5	1.0	1.5	2.0	3.0	4.0	5.0	7.0	10
•	•	•	•	•	1190	0.78	1.10	1.34	1.55	1.90	2.19	2.45	2.90	3.47
•	•	•	•	•	1233	0.95	1.35	1.65	1.90	2.33	2.69	3.01	3.56	4.25
•	•	•	•	•	1310	1.27	1.79	2.19	2.53	3.10	3.58	4.00	4.74	5.66
•	•	•	•	•	1385	1.57	2.22	2.72	3.14	3.85	4.45	4.97	5.88	7.03
•	•	•	•	•	1490	2.00	2.83	3.46	4.00	4.90	5.66	6.33	7.48	8.95
•	•	•	•	•	1581	2.37	3.35	4.11	4.74	5.81	6.71	7.50	8.87	10.6
•	•	•	•	•	1780	3.18	4.50	5.52	6.37	7.80	9.01	10.1	11.9	14.2
•	•	•	•	•	1980	4.00	5.66	6.93	8.00	9.80	11.3	12.7	15.0	17.9
•	•	•	•	•	2124	5.06	5.85	8.77	10.1	12.4	14.3	16.0	18.9	22.6
•	•	•	•	•	2153	6.25	7.20	10.8	12.5	15.3	17.7	19.8	23.4	27.9
•	•	•	•	•	2194	7.96	9.20	13.8	15.9	19.5	22.5	25.2	29.8	35.6

Large capacity tips — *Jet deviation angle α = 15°*

GYA	GYF	GYM	GYQ	GYU	GYW	Code	Capacity at different pressure values lpm bar								
							0.5	1.0	1.5	2.0	3.0	4.0	5.0	7.0	10
	•	•	•	•	•	1781	3.18	4.50	5.52	6.37	7.80	9.01	10.1	11.9	14.2
	•	•	•	•	•	1981	4.00	5.66	6.93	8.00	9.80	11.3	12.7	15.0	17.9
•	•	•	•	•	•	2125	5.06	7.16	8.77	10.1	12.4	14.3	16.0	18.9	22.6
•	•	•	•	•	•	2154	6.25	8.83	10.8	12.5	15.3	17.7	19.8	23.4	27.9
•	•	•	•	•	•	2195	7.92	11.2	13.7	15.8	19.4	22.4	25.0	29.6	35.4
•	•	•	•	•	•	2246	10.0	14.1	17.3	20.0	24.5	28.3	31.6	37.4	44.7
•	•	•	•	•	•	2311	12.7	17.9	21.9	25.3	31.0	35.8	40.0	47.4	56.6
•	•	•	•	•	•	2490	20.0	28.3	34.6	40.0	49.0	56.6	63.3	74.8	89.5
•	•	•	•	•	•	2610	24.9	35.2	43.1	49.8	61.0	70.4	78.8	93.2	111
		•	•	•	•	2760	31.0	43.9	53.7	62.1	76.0	87.8	98.1	116	139
		•	•			3122	49.8	70.4	86.3	99.6	122	141	158	186	223

Assembly fittings coding

Size inch	Locknut	Welding nipple
3/8”	VAA 0381 xxB	ZAC C018 xx
3/4”	VAA 0750 xxB	ZAC E027 xx

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