

Geyser Nozzle



The Geyser nozzle is a water and air entraining venturi type, which augments the effect by adding water volume from the pool and aerating the mass. This method provides a heavy punch with moderate aeration to increase visibility. Compared to the Cascade nozzle, visibility is greater because the entrained air gives a roiling, white water appearance. Geyser nozzles are widely used in architectural fountains due to their high visibility and good wind resistance. Moderately “hard” in both

appearance and audible impact, the Geyser is best used in large pools and outdoor applications where a noise masking water effect is desired. The Geyser nozzle is also a water level dependent type, and requires a controlled water level. Several Geyser nozzles can be placed in close proximity to create a striking “picket fence” effect.



Technical description:

- All Geyser nozzles are water level dependent venturi types. The surrounding pool water is drawn by venturi effect through the bottom of the nozzle, while air is entrained through a slot near the top.
- These nozzles can be submerged in water up to the slot level, but maximum efficiency is achieved if the water level is held to the dimensions given. Be sure to give enough freeboard for the slot such that wave action won't interfere with the air intake.
- If placed in fountains of more than one water level, check valves should be installed inline with the nozzle. (The discharge orifice of the Geyser nozzle is actually under water, and if installed in an upper pool of multi-level fountains, can cause the water of the upper level to drain back through the display pump to the lower level.)
- This type of nozzle can set up a resonant wave action in certain pools. If an undesired wave action occurs, it can be eliminated by adding a copper surge tube around the nozzle location. This is a copper tube, about 6” in diameter, mounted from water level to about 1” above the pool floor.
- All Geyser nozzles are NPT.

Visibility	Red	Red	Red	Red	Red
Noise Level	Blue	Blue	Blue	Blue	Blue
Splash	Green	Green	Green	Green	Green
Wind Stability	Yellow	Yellow	Yellow	Yellow	Yellow
Energy Efficiency	Pink	Pink	Pink	Pink	Pink

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Display Height	20 T				40 T				60 T				80 T				100 T				Display Height
	GPM	TDH	LPM	BAR	GPM	TDH	LPM	BAR	GPM	TDH	LPM	BAR	GPM	TDH	LPM	BAR	GPM	TDH	LPM	BAR	
1'-8"	8.0	6.7	30.4	0.20	21.8	9.0	82.7	0.27	33.8	8.0	128.4	0.24									0.50
2'-6"	8.9	8.3	33.9	0.25	23.4	10.3	89.1	0.31	36.9	9.7	140.3	0.29									0.75
3'-3"	9.8	10.0	37.2	0.30	25.0	11.7	95.0	0.35	39.8	11.3	151.3	0.34	63.7	12.3	242.0	0.37					1.00
4'-11"	11.3	13.0	42.9	0.39	27.9	14.7	105.9	0.44	45.1	14.3	171.2	0.43	71.9	15.7	273.3	0.47					1.50
6'-7"	12.6	16.3	47.9	0.49	30.5	17.3	115.8	0.52	49.7	17.7	189.0	0.53	79.3	19.0	301.3	0.57	120.9	18.7	459.4	0.56	2.00
8'-2"	13.8	19.7	52.5	0.59	32.9	20.3	124.9	0.61	54.0	20.7	205.3	0.62	86.1	22.3	327.0	0.67	130.8	22.0	497.0	0.66	2.50
9'-10"	14.9	23.0	56.7	0.69	35.1	23.0	133.4	0.69	58.0	24.0	220.4	0.72	92.3	25.7	350.8	0.77	140.0	25.0	532.0	0.75	3.00
13'-1"	16.9	29.7	64.3	0.89	39.2	28.7	149.0	0.86	65.2	30.3	247.9	0.91	103.8	32.3	394.3	0.97	156.8	31.3	596.0	0.94	4.00
16'-5"	18.7	36.4	71.1	1.09	42.9	34.4	163.1	1.03	71.8	36.7	272.8	1.10	114.1	39.4	433.5	1.18	172.1	37.7	653.9	1.13	5.00
19'-8"	20.3	42.7	77.3	1.28	46.4	40.0	176.2	1.20	77.8	43.0	295.6	1.29	123.6	46.0	469.6	1.38	186.1	44.4	707.3	1.33	6.00
23'-0"					49.6	46.0	188.4	1.38	83.4	52.4	316.9	1.57	132.4	53.0	503.2	1.59	199.2	50.7	757.0	1.52	7.00
26'-3"					52.6	51.7	199.8	1.55	88.6	55.7	336.8	1.67	140.7	59.7	534.8	1.79	211.5	57.0	803.8	1.71	8.00
32'-10"									98.3	68.7	373.7	2.06	156.1	73.7	593.1	2.21	234.3	70.0	890.5	2.10	10.00
39'-4"									107.2	81.4	407.5	2.44	170.1	87.4	646.5	2.62	255.2	83.0	969.8	2.49	12.00
45'-11"													183.2	101.4	696.1	3.04	274.6	96.4	1043.6	2.89	14.00
52'-6"													195.4	115.4	742.7	3.46	292.8	109.4	1112.8	3.28	16.00
59'-1"													207.0	129.4	786.7	3.88	310.1	122.7	1178.3	3.68	18.00
65'-7"													218.1	143.4	828.7	4.30	326.5	136.1	1240.8	4.08	20.00
82'-0"																	364.7	169.8	1386.0	5.09	25.00
98'-5"																	399.8	204.1	1519.1	6.12	30.00
Mat'l	Brass				Brass				Brass				Brass				Brass				Mat'l
Weight	1.50 Kg		3.30 Lbs		3.20 Kg		7.04 Lbs		5.30 Kg		11.66 Lbs		9.30 Kg		20.46 Lbs		16.20 Kg		35.64 Lbs		Weight
Article #	710-550				711-550				712-550				713-550				714-550				Article #
ID #	50991				50992				50993				50994				50995				ID #
Part #	89023				89024				89025				89026				89027				Part #

