

Flowrates

The following tables show the flowrates of various sizes of STAMM nozzle plates with respect to water pressure. The nozzle size (dimension e) is valid independently of whether the nozzles are of the fan-jet or needle-jet (full stream jet) type. Also, the angle of the fan jet (15°, 30°, 60° or 75°) does not effect water consumption .

As an example, fan jets with e = 1,0/30° or with 1,0/75° have the same water consumption as a needle jet e = 1,0/0° at the same pressure.

Water consumption in l/min per nozzle:

nozzle size e	water pressure bar														
	1	2	3	4	6	8	10	15	20	30	40	50	60	70	80
0,6	0,16	0,22	0,27	0,31	0,38	0,44	0,49	0,60	0,70	0,85	0,90	1,10	1,20	1,30	1,39
0,7	0,20	0,28	0,34	0,40	0,48	0,56	0,63	0,77	0,89	1,08	1,25	1,40	1,53	1,66	1,77
0,8	0,30	0,40	0,50	0,60	0,70	0,80	0,90	1,10	1,30	1,60	1,80	2,00	2,20	2,40	2,50
0,9	0,36	0,51	0,62	0,72	0,88	1,02	1,14	1,39	1,61	1,97	2,28	2,55	2,79	3,01	3,22
1,0	0,50	0,70	0,90	1,00	1,20	1,40	1,60	2,00	2,20	2,70	3,10	3,50	3,80	4,20	4,40
1,2	0,60	0,90	1,30	1,50	1,60	1,80	2,00	2,50	2,90	3,50	4,00	4,50	4,90	5,30	5,70
1,5	1,00	1,40	1,70	2,00	2,40	2,80	3,00	3,80	4,30	5,30	6,10				
2,0	1,80	2,50	3,10	3,60	4,40	5,00	5,60	6,90	7,90	9,70	11,20				
2,5	2,80	4,00	4,90	5,60	6,90	7,90	8,90	10,80	12,60	15,50	17,90				
3,0	4,50	6,30	7,80	9,00	11,00	12,60	14,10	17,50	20,00	24,00	28,00				
4,0	7,20	10,10	12,40	14,30	17,50	20,20	22,70	27,60	32,00	39,00					
5,0	11,20	15,80	19,40	22,40	27,40	31,50	35,40	42,70	50,00	60,00					
6,0	17,80	25,00	31,00	35,80	43,80	50,40	56,60	68,30	80,00	95,00					
7,0	22,30	31,20	39,00	45,00	55,00	63,00	72,00	87,00	102,0	120,0					
8,0	28,00	40,00	49,00	56,00	69,00	79,00	89,00	107,5	126,0	149,0					