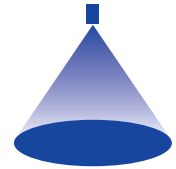
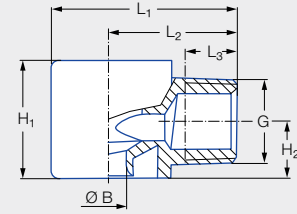
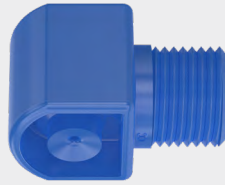


# ➤ Tangential-flow full cone nozzles, plastic version Series 422/423



## Features:

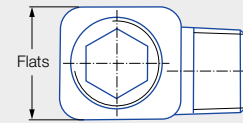
- Tangentially arranged supply of liquid
- Without swirl inserts
- Non-clogging
- Stable spray angle
- Uniform liquid distribution
- High chemical resistance



## Applications:

- Surface spraying
- Cooling
- Cleaning and washing processes
- Foam control

Series 422/423



Code	G	Dimensions [mm]						Weight [g]
		H <sub>1</sub>	H <sub>2</sub>	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	Flats	
<b>CC</b>	1/4 BSPT	16.0	8.0	28.0	20.0	9.8	16.0	7.0
<b>CE</b>	3/8 BSPT	23.0	11.2	36.0	25.0	10.1	22.0	16.0
<b>CG</b>	1/2 BSPT	38.0	19.2	49.5	33.5	13.2	32.0	40.0
<b>CK</b>	3/4 BSPT	50.0	24.5	58.5	38.5	18.5	41.0	50.0

Spray angle	Ordering no.						Bore diameter B [mm]	Narrowest free cross sections Ø [mm]	V̇ water [l/min]						Spray diameter D [mm] (at p = 2 bar)	
	Type	Mat. no.	Code						p [bar]						H = 250 [mm]	H = 500 [mm]
		5E	1/4 BSPT	3/8 BSPT	1/2 BSPT	3/4 BSPT			0.5	1.0	2.0	3.0	5.0	10.0		
60°	<b>422.724</b>	●		<b>CE</b>			3.60	3.60	3.15	4.45	<b>6.30</b>	7.72	9.96	14.09	320	560
90°	<b>422.406</b>	●	<b>CC</b>				1.50	1.45	0.50	0.71	<b>1.00</b>	1.22	1.58	2.24	530	900
	<b>422.566</b>	●	<b>CC</b>				2.30	2.20	1.25	1.77	<b>2.50</b>	3.06	3.95	5.59	530	920
	<b>422.606</b>	●		<b>CE</b>			2.60	2.50	1.58	2.23	<b>3.15</b>	3.86	4.98	7.04	540	920
	<b>422.646</b>	●		<b>CE</b>			3.00	2.90	2.00	2.83	<b>4.00</b>	4.90	6.32	8.94	540	930
	<b>422.726</b>	●		<b>CE</b>			3.70	3.60	3.15	4.45	<b>6.30</b>	7.72	9.96	14.09	550	950
	<b>422.806</b>	●		<b>CE</b>			4.65	4.60	5.00	7.07	<b>10.00</b>	12.25	15.81	22.36	560	980
	<b>422.846</b>	●		<b>CE</b>			5.30	5.30	6.25	8.84	<b>12.50</b>	15.31	19.76	27.95	560	990
	<b>422.886</b>	●		<b>CE</b>			5.80	5.80	8.00	11.31	<b>16.00</b>	19.60	25.30	35.78	570	1,010
	<b>422.926</b>	●			<b>CG</b>		7.30	7.30	10.00	14.14	<b>20.00</b>	24.49	31.62	44.72	570	1,030
	<b>422.966</b>	●			<b>CG</b>		8.00	8.00	12.50	17.68	<b>25.00</b>	30.62	39.53	55.90	580	1,040
	<b>423.006</b>	●			<b>CG</b>		8.70	8.70	15.75	22.27	<b>31.50</b>	38.58	49.81	70.44	580	1,040
<b>423.126</b>	●				<b>CK</b>	12.00	12.00	31.50	44.55	<b>63.00</b>	77.16	99.61	140.87	580	1,050	





Spray angle	Ordering no.						Bore diameter B [mm]	Narrowest free cross sections Ø [mm]	V̇ water [l/min]						Spray diameter D [mm] (at p = 2 bar)	
	Type	Mat. no.	Code						p [bar]						H = 250 [mm]	H = 500 [mm]
		5E	1/4 BSPT	3/8 BSPT	1/2 BSPT	3/4 BSPT			0.5	1.0	2.0	3.0	5.0	10.0		
		PVDF														
120°	422.408	●	CC				1.50	1.45							0.50	0.71
	422.448	●	CC				1.65	1.60	0.63	0.88	1.25	1.53	1.98	2.80	680	1,210
	422.488	●	CC				1.90	1.90	0.80	1.13	1.60	1.96	2.53	3.58	680	1,230
	422.568	●	CC				2.40	2.40	1.25	1.77	2.50	3.06	3.95	5.59	700	1,260
	422.728	●		CE			4.00	3.90	3.15	4.45	6.30	7.72	9.96	14.09	770	1,400
	422.888	●		CE			6.60	6.00	8.00	11.31	16.00	19.60	25.30	35.78	850	1,560
	422.968	●			CG		8.00	8.00	12.50	17.68	25.00	30.62	39.53	55.90	960	1,620
	423.008	●			CG		8.70	8.70	15.75	22.27	31.50	38.58	49.81	70.44	970	1,630
	423.128	●				CK	12.70	12.30	31.50	44.55	63.00	77.16	99.61	140.87	990	1,660

Conversion formula for this series:  $\dot{V}_2 = \dot{V}_1 \cdot \sqrt{\frac{p_2}{p_1}}$

Ordering Type + Material no. + Code = Ordering no.  
 example: 422.408 + 5E + CC = 422.408.5E.CC



Assembly accessories can be found in Chapter 9 "Accessories".

