



Flat fan nozzles Series 616/617



Uniform, parabolic distribution of liquid. Increased non-clogging features, more jet power, less fog.

Applications:



Cleaning installations, rain curtains, gravel washing, spray pipes, foam spraying, roll cooling, cooling of rolled stock.



±20°-60°

±90°-120°

Weight Brass: 75 g

Spray angle 	Ordering no.				A Ø [mm]	E Ø [mm]	V̇ [l/min]						Spray width B at p=2 bar 		
	Type	Mat. no.					p [bar]						H = 250 mm	H = 500 mm	
		16 303 SS	17 ¹ 316Ti SS/ 316L SS	30 Brass			0.5	1.0	2.0	[US gal./ min] at 40 psi	3.0	5.0			10.0
20°	616.721	○	○	○	3.00	2.50	3.15	4.45	6.30	1.95	7.72	9.96	14.09	80	140
	616.801	○	○	○	4.00	3.20	5.00	7.07	10.00	3.10	12.25	15.81	22.36	80	145
	616.881	○	○	○	5.00	4.00	8.00	11.31	16.00	4.96	19.60	25.30	35.78	80	145
	616.921	○	○	○	5.50	4.40	10.00	14.14	20.00	6.20	24.49	31.62	44.72	80	145
	616.961	○	○	○	6.00	5.10	12.50	17.68	25.00	7.75	30.62	39.53	55.90	80	145
30°	616.722	○	○	○	3.00	2.40	3.15	4.45	6.30	1.95	7.72	9.96	14.09	120	230
	616.762	○	○	○	3.50	2.70	4.00	5.66	8.00	2.48	9.80	12.65	17.89	120	230
	616.802	○	○	○	4.00	3.10	5.00	7.07	10.00	3.10	12.25	15.81	22.36	120	235
	616.882	○	○	○	5.00	4.00	8.00	11.31	16.00	4.96	19.60	25.30	35.78	120	235
	616.922	○	○	○	5.50	4.40	10.00	14.14	20.00	6.20	24.49	31.62	44.72	120	235
	616.962	○	-	○	6.00	5.00	12.50	17.68	25.00	7.75	30.62	39.53	55.90	125	240
45°	616.723	○	○	○	3.00	2.40	3.15	4.45	6.30	1.95	7.72	9.96	14.09	175	330
	616.763	○	○	○	3.50	2.60	4.00	5.66	8.00	2.48	9.80	12.65	17.89	175	330
	616.803	○	○	○	4.00	3.00	5.00	7.07	10.00	3.10	12.25	15.81	22.36	175	335
	616.843	○	○	○	4.50	3.40	6.25	8.84	12.50	3.88	15.31	19.76	27.95	180	335
	616.883	○	○	○	5.00	3.80	8.00	11.31	16.00	4.96	19.60	25.30	35.78	185	350
	616.923	○	○	○	5.50	4.20	10.00	14.14	20.00	6.20	24.49	31.62	44.72	190	360
	616.963	○	○	○	6.00	4.40	12.50	17.68	25.00	7.75	30.62	39.53	55.90	200	375
60°	616.724	○	○	○	3.00	2.10	3.15	4.45	6.30	1.95	7.72	9.96	14.09	295	575
	616.764	○	○	○	3.50	2.30	4.00	5.66	8.00	2.48	9.80	12.65	17.89	300	580
	616.804	○	○	○	4.00	2.60	5.00	7.07	10.00	3.10	12.25	15.81	22.36	300	580
	616.844	○	○	○	4.50	3.00	6.25	8.84	12.50	3.88	15.31	19.76	27.95	300	580
	616.884	○	○	○	5.00	3.40	8.00	11.31	16.00	4.96	19.60	25.30	35.78	300	580
	616.924	○	○	○	5.50	4.10	10.00	14.14	20.00	6.20	24.49	31.62	44.72	300	580
	616.964	○	○	○	6.00	4.20	12.50	17.68	25.00	7.75	30.62	39.53	55.90	300	580
	617.044	○	-	○	8.00	5.50	20.00	28.28	40.00	12.41	48.99	63.25	89.44	300	580
	617.124	-	-	○	10.00	7.40	31.50	44.55	63.00	19.54	77.16	99.61	140.87	300	580
90°	616.726	○	○	○	3.00	1.70	3.15	4.45	6.30	1.95	7.72	9.96	14.09	540	1,000
	616.766	○	○	○	3.50	1.90	4.00	5.66	8.00	2.48	9.80	12.65	17.89	550	1,010
	616.806	○	○	○	4.00	2.40	5.00	7.07	10.00	3.10	12.25	15.81	22.36	550	1,010
	616.846	○	○	○	4.50	2.40	6.25	8.84	12.50	3.88	15.31	19.76	27.95	550	1,020
	616.886	○	○	○	5.00	3.10	8.00	11.31	16.00	4.96	19.60	25.30	35.78	550	1,020
	616.926	○	○	○	5.50	3.60	10.00	14.14	20.00	6.20	24.49	31.62	44.72	555	1,025
	616.966	○	○	○	6.00	3.90	12.50	17.68	25.00	7.75	30.62	39.53	55.90	560	1,030



¹ We reserve the right to deliver 316Ti SS or 316L SS under the material no. 17.
A = equivalent bore diameter · E = narrowest free cross section
Subject to technical modifications.

Continued on next page.



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Spray angle 	Ordering no.				A Ø [mm]	E Ø [mm]	V̇ [l/min]							Spray width B at p=2 bar 	
	Type	Mat. no.					p [bar]							H = 250 mm	H = 500 mm
		16 308 SS	17 ¹ 316Ti SS/ 316L SS	30 Brass			0.5	1.0	2.0	[US gal./ min] at 40 psi	3.0	5.0	10.0		
120°	616.727	○	○	○	3.00	1.60	3.15	4.45	6.30	1.95	7.72	9.96	14.09	975	1,755
	616.767	○	○	○	3.50	1.70	4.00	5.66	8.00	2.48	9.80	12.65	17.89	970	1,750
	616.807	○	○	○	4.00	2.00	5.00	7.07	10.00	3.10	12.25	15.81	22.36	965	1,740
	616.887	○	○	○	5.00	2.60	8.00	11.31	16.00	4.96	19.60	25.30	35.78	955	1,730
	616.927	○	○	○	5.50	2.90	10.00	14.14	20.00	6.20	24.49	31.62	44.72	950	1,720
	616.967	-	-	○	6.00	3.20	12.50	17.68	25.00	7.75	30.62	39.53	55.90	950	1,720
	617.047	-	-	○	8.00	4.40	20.00	28.28	40.00	12.41	48.99	63.25	89.44	950	1,720

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A = equivalent bore diameter · E = narrowest free cross section
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The folded page at the end of the catalogue will give you a survey on the various assembly possibilities. For complete assembly accessories, please refer to "Accessories".

Example	Type	+	Material-no.	=	Ordering no.
for ordering:	616.727	+	16	=	616.727.16