

AirCoat – Nozzles

1. AirCoat nozzles ACF 3000

The dome-shaped geometry and high-tech sanding and erosion methods during manufacture ensure extremely fine atomisation with low energy consumption (material pressure). For a long service life and low wear and tear, the nozzle is made from resistant hard metal. The WAGNER AirCoat nozzle ensures brilliant paint finishes: An even spray pattern and extremely gentle graduated borders are guaranteed. This applies to both small and large quantities of atomised air.



Application	Nozzle marking	Aperture in inch/mm	Spray angle in °	Spray width in mm ¹	Gun filter ²	Art. No.
natural colour paints, colourless paints, oils	07.10	0.007/0,18	10	55	red	379107
	07.20	0.007/0,18	20	100	red	379207
	07.40	0.007/0,18	40	195	red	379407
	09.20	0.009/0,23	20	100	red	379209
	09.30	0.009/0,23	30	145	red	379309
	09.40	0.009/0,23	40	195	red	379409
	09.50	0.009/0,23	50	250	red	379509
	09.60	0.009/0,23	60	300	red	379609
synthetic resin-based paints, PVC paints, 2K paints	11.10	0.011/0,28	80	55	red	379111
	11.20	0.011/0,28	20	100	red	379211
	11.30	0.011/0,28	30	145	red	379311
	11.40	0.011/0,28	40	195	red	379411
	11.50	0.011/0,28	50	250	red	379511
	11.60	0.011/0,28	60	300	red	379611
	11.80	0.011/0,28	80	400	red	379811
	paints, undercoats, primers, fillers	13.10	0.013/0,33	10	55	red, yellow
13.20		0.013/0,33	20	100	red, yellow	379213
13.30		0.013/0,33	30	250	red, yellow	379313
13.40		0.013/0,33	40	195	red, yellow	379413
13.50		0.013/0,33	50	250	red, yellow	379513
13.60		0.013/0,33	60	300	red, yellow	379613
13.80		0.013/0,33	80	400	red, yellow	379813
filler, anti-corrosive paints		15.10	0.015/0,38	10	55	yellow
	15.20	0.015/0,38	20	100	yellow	379215
	15.30	0.015/0,38	30	145	yellow	379315
	15.40	0.015/0,38	40	195	yellow	379415
	15.50	0.015/0,38	50	250	yellow	379515
	15.60	0.015/0,38	60	300	yellow	379615
	15.80	0.015/0,38	80	400	yellow	379815

¹Spray width (mm) at approx. 30 cm distance from the object and with 10 MPa pressure, with synthetic resin-based paint 20 DIN seconds.

²Red: 180 mesh, extra fine, yellow: 100 mesh, fine, white: 50 mesh, average, green: 30 mesh, coarse



Application	Nozzle marking	Aperture in inch/mm	Spray angle in °	Spray width in mm ¹	Gun filter ²	Art. No.
anti-corrosive paints, latex paints	17.20	0.017/0,43	20	100	yellow	379217
	17.30	0.017/0,43	30	145	yellow	379317
	17.40	0.017/0,43	40	195	yellow	379417
	17.50	0.017/0,43	50	250	yellow	379517
	17.60	0.017/0,43	60	300	yellow	379617
	17.80	0.017/0,43	80	400	yellow	379817
	19.20	0.019/0,48	20	100	yellow, white	379219
	19.30	0.019/0,48	30	145	yellow, white	379319
	19.40	0.019/0,48	40	195	yellow, white	379419
	19.50	0.019/0,48	50	250	yellow, white	379519
19.60	0.019/0,48	60	300	yellow, white	379619	
19.80	0.019/0,48	80	400	yellow, white	379819	
anti-corrosive paints	21.20	0.021/0,53	20	100	white	379221
	21.40	0.021/0,53	40	195	white	379421
	21.50	0.021/0,53	50	250	white	379521
	21.60	0.021/0,53	60	300	white	379621
	21.80	0.021/0,53	80	400	white	379821
	23.40	0.023/0,58	40	195	white	379423
	23.60	0.023/0,58	60	300	white	379623
	23.80	0.023/0,58	80	400	white	379823

¹Spray width (mm) at approx. 30 cm distance from the object and with 10 MPa pressure, with synthetic resin-based paint 20 DIN seconds.

²Red: 180 mesh, extra fine, yellow: 100 mesh, fine, white: 50 mesh, average, green: 30 mesh, coarse

2. AirCoat pre-atomisation nozzles ACF 3000 Plus

AirCoat pre-atomisation nozzles provide extra fine atomisation even with low inlet air pressure. This is especially important for processing water- or solvent-based paints. Using a pre-atomisation nozzle allows you to work with less material and air quantity. There is significantly less overspray and material consumption decreases. Compared to the standard AirCoat nozzle the material is pre-atomised directly at the outer edge of the nozzle. The result: an especially even and soft spray pattern.



Application	Nozzle marking	Aperture in inch/mm	Spray angle in °	Spray width in mm ¹	Gun filter ²	Art. No.
natural colour paints, colourless paints, oils	208	0.008/0,20	20	100	red	321208
	308	0.008/0,20	30	145	red	321308
	408	0.008/0,20	40	195	red	321408
	508	0.008/0,20	50	250	red	321508
synthetic resin-based paints, PVC paints, 2K paints	210	0.010/0,25	20	100	red, blue	321210
	310	0.010/0,25	30	145	red, blue	321310
	410	0.010/0,25	40	195	red, blue	321410
	510	0.010/0,25	50	250	red, blue	321510
	610	0.010/0,25	60	300	red, blue	321610
paints, undercoats, primers, fillers	212	0.012/0,30	20	100	blue	321212
	312	0.012/0,30	30	145	blue, yellow	321312
	412	0.012/0,30	40	195	blue	321412
	512	0.012/0,30	50	250	blue, yellow	321512
	612	0.012/0,30	60	300	blue, yellow	321612
	214	0.014/0,36	20	100	blue, yellow	321214
	314	0.014/0,36	30	145	blue, yellow	321314
	414	0.014/0,36	40	195	blue, yellow	321414
filler, anti-corrosive paints	514	0.014/0,36	50	250	blue, yellow	321514
	614	0.014/0,36	60	300	blue, yellow	321614
	216	0.016/0,41	20	100	yellow	321216
	316	0.016/0,41	30	145	yellow	321316
	416	0.016/0,41	40	195	yellow	321416
anti-corrosive paints, latex paints	516	0.016/0,41	50	250	yellow	321516
	616	0.016/0,41	60	300	yellow	321616
	218	0.018/0,46	20	100	yellow, white	321218
	318	0.018/0,46	30	145	yellow, white	321318
	418	0.018/0,46	40	195	yellow, white	321418
	518	0.018/0,46	50	250	yellow, white	321518

¹Spray width (mm) at approx. 30 cm distance from the object and with 10 MPa pressure, with synthetic resin-based paint 20 DIN seconds.

²Red: 180 mesh, extra fine, yellow: 100 mesh, fine, white: 50 mesh, average, green: 30 mesh, coarse



Application	Nozzle marking	Aperture in inch/mm	Spray angle in °	Spray width in mm ¹	Gun filter ²	Art. No.
anti-corrosive paints, latex paints	618	0.018/0,46	60	300	yellow, white	321618
anti-corrosive paints	320	0.020/0,51	30	145	white	321320
	420	0.020/0,51	40	195	white	321420
	620	0.020/0,51	60	300	white	321620
	422	0.022/0,56	40	195	white	321422
	622	0.022/0,56	60	300	white	321622

¹Spray width (mm) at approx. 30 cm distance from the object and with 10 MPa pressure, with synthetic resin-based paint 20 DIN seconds.

²Red: 180 mesh, extra fine, yellow: 100 mesh, fine, white: 50 mesh, average, green: 30 mesh, coarse