



Aero Series **Nozzles**

Product Catalog

(Oct 2009)

Aero Nozzles

Cold Jet's nozzles are designed to maximize performance whatever the application. Broad or precise cleaning, hard to reach areas or working in a confined space, our line of nozzles will exceed your expectations.

Recommended operating parameters are shown in the tables for each nozzle. Blast Pressure range is <140 psi (9.7 bar) unless noted with (*) which indicates pressure range to be >140 psi (9.7 bar). Recommended accessory handle is noted where applicable.

Standard and Low Flow Nozzles

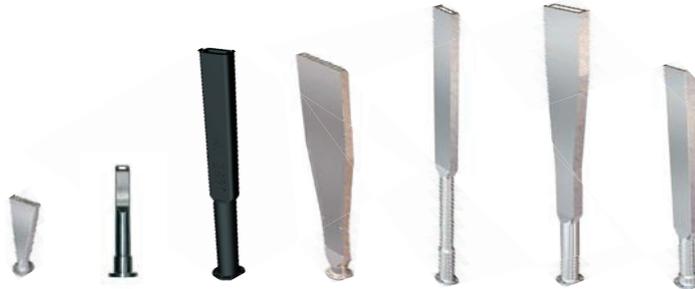
These straight nozzles have standard air consumption rate of 100 cfm or less at 80 psi.



Nozzle	Supercedes	Part #	Air Consumption	Blast Swath	Feed rate	Length	Material	Handle
110S.6	510 SLF	2E0341	50cfm @ 80psi (1.4m ³ /min @ 5.5 bar)	0.6" (1.3 cm)	1-3 lbs/min (0.5-1.4 kg/min)	10" (25.4 cm)	Anodized Aluminum	2E0209
123S.7	523 SLF	5E0179	50cfm @ 80psi (1.4m ³ /min @ 5.5 bar)	0.7" (1.8 cm)	1-3 lbs/min (0.5-1.4 kg/min)	23" (58.4 cm)	Anodized Aluminum	2E0209
312S1	412 SL	5E0156	100cfm @ 80psi (2.8m ³ /min @ 5.5 bar)	1" (2.5 cm)	2-4 lbs/min (0.9-1.8 kg/min)	12" (30.5 cm)	Aluminum	2E0289
323S1	523 SF	5E0175	100cfm @ 80psi (2.8m ³ /min @ 5.5 bar)	1" (2.5 cm)	2-4 lbs/min (0.9-1.8 kg/min)	23" (58.4 cm)	Aluminum	2E0209

High Flow Nozzles

These straight nozzles have air consumption rate of more than 100 cfm at 80 psi.



Nozzle	Supercedes	Part #	Air Consumption	Blast Swath	Feed rate	Length	Material	Handle
507S2	807 SL	5E0141	165cfm @ 80psi (4.7m ³ /min @ 5.5 bar)	2" (5.1 cm)	3-5 lbs/min (1.4-2.3 kg/min)	7" (17.8 cm)	Aluminum	2E0289
508M.8 (MERN Technology)	508 HF	5E0107	150cfm @ 80psi (4.3m ³ /min @ 5.5 bar)	0.5" (1.3 cm)	2-4 lbs/min (0.9-1.8 kg/min)	8" (20.3 cm)	Aluminum	2E0209
523P1	523 Stealth	5E0167	150cfm @ 80psi (4.3m ³ /min @ 5.5 bar)	1" (2.5 cm)	3-5 lbs/min (1.4-2.3 kg/min)	23" (58.4 cm)	Aluminum	2E0289
523S3	223 SL	5E0190	165cfm @ 80psi (4.7m ³ /min @ 5.5 bar)	3" (7.6 cm)	4-6 lbs/min (1.8-2.7 kg/min)	23" (58.4 cm)	Aluminum	2E0287
533S1 *	533 HF	5E0161	150cfm @ 80psi (4.3m ³ /min @ 5.5 bar)	1" (2.5 cm)	3-5 lbs/min (1.4-2.3 kg/min)	33" (83.8 cm)	Aluminum	2E0289
533S2 *	533 HF.2	5E0164	150cfm @ 80psi (4.3m ³ /min @ 5.5 bar)	2" (5.1 cm)	4-6 lbs/min (1.8-2.7 kg/min)	33" (83.8 cm)	Aluminum	2E0289
523M1 (MERN Technology)	523 HF	5E0138	150cfm @ 80psi (4.3m ³ /min @ 5.5 bar)	1" (2.5 cm)	3-5 lbs/min (1.4-2.3 kg/min)	23" (58.4 cm)	Aluminum	2E0209

* Blast Pressure range is <140 psi (9.7 bar) unless noted with (*) which indicates pressure range to be >140 psi (9.7 bar).

Aero Nozzles (cont.)

Variable Fragmenting MERN Nozzles

With patented MERN technology and new variable fragmenting technology you have the power to control aggression downstream of the nozzle throat for a full range of performance with maximum effectiveness - the most ever from a single nozzle.



Nozzle	Supercedes	Part #	Air Consumption	Blast Swath	Feed rate	Length	Material	Handle
312V2	n/a	5E0274	100cfm @ 80psi (2.8m ³ /min @ 5.5 bar)	1.8" (4.6 cm)	2-4 lbs/min (0.9-1.8 kg/min)	12" (30.5 cm)	Aluminum	2E0289
323V2	523 SF.2V	5E0252	100cfm @ 80psi (2.8m ³ /min @ 5.5 bar)	2" (5.1 cm)	2-4 lbs/min (0.9-1.8 kg/min)	23" (58.4 cm)	Aluminum	2E0289
508V.8	n/a	5E0272	150cfm @ 80psi (4.3m ³ /min @ 5.5 bar)	0.8" (2.1 cm)	3-5 lbs/min (1.4-2.3 kg/min)	8" (20.3 cm)	Aluminum	2E0289
523V2	533 HF.2V	5E0238	150cfm @ 80psi (4.3m ³ /min @ 5.5 bar)	2" (5.1 cm)	3-5 lbs/min (1.4-2.3 kg/min)	23" (58.4 cm)	Aluminum	2E0289
523V4	n/a	5E0257	150cfm @ 80psi (4.3m ³ /min @ 5.5 bar)	4" (10.2 cm)	3-5 lbs/min (1.4-2.3 kg/min)	23" (58.4 cm)	Aluminum	2E0289

Specialty Nozzles

These nozzles have various configurations for special applications and operate with air consumption rates as noted.



Nozzle	Supercedes	Part #	Air Consumption	Blast Swath	Swath Orientation	Feed rate	Length	Angle	Material
112HK	J-Hook	2E0361	70cfm @ 80psi (1.9m ³ /min @ 5.5 bar)	0.25" (0.6 cm)	n/a	1-3 lbs/min (0.5-1.4 kg/min)	12" x 2" (30.5 x 5.1 cm)	160°	Aluminum
114P.5	TN 183	5E0183	50cfm @ 80psi (1.4m ³ /min @ 5.5 bar)	0.5" (1.3 cm)	n/a	1-3 lbs/min (0.5-1.4 kg/min)	14" (35.6 cm)	straight	Plastic
307A135V.8	MS-050	2E0328	100cfm @ 80psi (2.8m ³ /min @ 5.5 bar)	0.75" (1.9 cm)	Vertical	2-4 lbs/min (0.9-1.8 kg/min)	7.3" X 6.3" (18.6 x 16 cm)	135°	Plastic Coated SST
307A45H1	MS-171	2E0349	100cfm @ 80psi (2.8m ³ /min @ 5.5 bar)	1" (2.5 cm)	Horizontal	2-4 lbs/min (0.9-1.8 kg/min)	7.3" x 5" (18.5 x 12.7 cm)	45°	
307A90H.8	MS-047	2E0326	100cfm @ 80psi (2.8m ³ /min @ 5.5 bar)	0.75" (1.9 cm)	Horizontal	2-4 lbs/min (0.9-1.8 kg/min)	7" x 5.3" (17.8 x 13.5 cm)	90°	
307A90V1	MS-071	2E0329	100cfm @ 80psi (2.8m ³ /min @ 5.5 bar)	1" (2.5 cm)	Vertical	2-4 lbs/min (0.9-1.8 kg/min)	7.3" x 7" (18.6 x 17.8 cm)	90°	
308A45H.8	MS-045	2E0324	100cfm @ 80psi (2.8m ³ /min @ 5.5 bar)	0.75" (1.9 cm)	Horizontal	2-4 lbs/min (0.9-1.8 kg/min)	7.7" x 3.5" (19.6 x 8.9 cm)	45°	
308A45V.8	MS-046	2E0325	100cfm @ 80psi (2.8m ³ /min @ 5.5 bar)	0.75" (1.9 cm)	Vertical	2-4 lbs/min (0.9-1.8 kg/min)	7.8" x 3.5" (19.8 x 8.9 cm)	45°	
309A45H.8	307 BL	5E0094	120cfm @ 80psi (3.4m ³ /min @ 5.5 bar)	0.75" (1.9 cm)	Horizontal	3-5 lbs/min (1.4-2.3 kg/min)	8.9" x 4" (22.6 x 10.2 cm)	45°	Aluminum
317A90H1	MS-136	2E0327	100cfm @ 80psi (2.8m ³ /min @ 5.5 bar)	1" (2.5 cm)	Horizontal	2-4 lbs/min (0.9-1.8 kg/min)	16.6" x 3.4" (42.2 x 8.6 cm)	90°	Aluminum
509C	TN 182	2E0411	150cfm @ 80psi (4.3m ³ /min @ 5.5 bar)	n/a	n/a	3-5 lbs/min (1.4-2.3 kg/min)	9" (22.9 cm)	22° cone	Multi

DISCONTINUED Aero Nozzles

The following nozzles have been discontinued and are no longer in production, but may still be available in Limited Supply. Contact your Cold Jet sales representative for availability.

Recommended operating parameters are shown in the tables for each nozzle. Blast Pressure range is <140 psi (9.7 bar).

Nozzle	Supersedes	Part #	Air Consumption	Blast Swath	Swath Orientation	Feed rate	Length	Angle	Material
110P.5	TN 312	2E0314	50cfm @ 80psi (1.4m ³ /min @ 5.5 bar)	0.5" (1.3 cm)	n/a	1-3 lbs/min (0.5-1.4 kg/min)	10" (25.4 cm)	straight	Plastic
302S1	402 SL	5E0160	100cfm @ 80psi (2.8m ³ /min @ 5.5 bar)	1" (2.5 cm)	n/a	2-4 lbs/min (0.9-1.8 kg/min)	2" (5.1 cm)	straight	Aluminum
303S.5	403 SL	2E0331	100cfm @ 80psi (2.8m ³ /min @ 5.5 bar)	0.5" (1.3 cm)	n/a	2-4 lbs/min (0.9-1.8 kg/min)	3" (7.6 cm)	straight	Aluminum
308S.8	508 SL	2E0323	100cfm @ 80psi (2.8m ³ /min @ 5.5 bar)	0.75" (1.9 cm)	n/a	2-4 lbs/min (0.9-1.8 kg/min)	8" (20.3 cm)	straight	Aluminum
312F2	413 DF	5E0228	100cfm @ 80psi (2.8m ³ /min @ 5.5 bar)	1.8" (4.6 cm)	n/a	2-4 lbs/min (0.9-1.8 kg/min)	12" (30.5 cm)	straight	Aluminum
312S2	413 SL	5E0159	100cfm @ 80psi (2.8m ³ /min @ 5.5 bar)	1.8" (4.6 cm)	n/a	3-5 lbs/min (1.4-2.3 kg/min)	12" (30.5 cm)	straight	Aluminum
314S.4	TN 936	5E0936	100cfm @ 80psi (2.8m ³ /min @ 5.5 bar)	0.38" (1 cm)	n/a	2-4 lbs/min (0.9-1.8 kg/min)	14" (35.6 cm)	straight	Aluminum
323S2	523 SF.2	5E0176	100cfm @ 80psi (2.8m ³ /min @ 5.5 bar)	2" (5.1 cm)	n/a	3-5 lbs/min (1.4-2.3 kg/min)	23" (58.4 cm)	straight	Aluminum
510P.5	TN 302	2E0302	150cfm @ 80psi (4.3m ³ /min @ 5.5 bar)	0.5" (1.3 cm)	n/a	3-5 lbs/min (1.4-2.3 kg/min)	10" (25.4 cm)	straight	Plastic
514S.5	TN 937	5E0937	150cfm @ 80psi (4.3m ³ /min @ 5.5 bar)	0.44" (1.1 cm)	n/a	3-5 lbs/min (1.4-2.3 kg/min)	14" (35.6 cm)	straight	Aluminum
522A90H.5	902 BL	2E0249	215cfm @ 80psi (6.1m ³ /min @ 5.5 bar)	0.5" (1.3 cm)	Horizontal	3-5 lbs/min (1.4-2.3 kg/min)	22" x 5" (56 x 12.7 cm)	90°	Multi
523F4	224 DF	5E0229	165cfm @ 80psi (4.7m ³ /min @ 5.5 bar)	4" (10.2 cm)	n/a	3-5 lbs/min (1.4-2.3 kg/min)	23" (58.4 cm)	straight	Aluminum
523S2	523 HF.2	5E0174	150cfm @ 80psi (4.3m ³ /min @ 5.5 bar)	2" (5.1 cm)	n/a	3-5 lbs/min (1.4-2.3 kg/min)	23" (58.4 cm)	straight	Aluminum

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