

Aero C100

Product Catalog



This catalog contains Cold Jet's Aero C100 product offerings and all part numbers that were current at the time of catalog production. The images shown are for representative purposes only. Products may vary from the images displayed. Cold Jet will always ship the latest version of each part. Invoices will always reflect the latest revision level numbers. Cold Jet is not liable for typographical errors or changes to specifications presented.

<p>Cold Jet – Global Headquarters Address: 455 Wards Corner Road Loveland, Ohio 45140, USA Phone: +1 513-831-3211 Customer Service: +1-800-777-9101 Email: service@coldjet.com</p>	<p>Spain (Iberian Peninsula) Cold Jet S.L. Address: C/ Oporto, Portal, 3 Pol.Ind. Europolis 28232 Las Rozas de Madrid, Madrid, Spain Phone: +34 91 426 79 63</p>
<p>Canada Address: 1727 Industrial Road, Unit 1 Cambridge, Ontario, N3H 5G7, Canada Phone: +1 888-675-9915</p>	<p>Cold Jet Japan Address: 1-20-4 Ishiwara, Sumida Tokyo 130-0011 Phone: +81 3 6869 2665</p>
<p>Belgium - Europe Headquarters Cold Jet BV Address: Zone 1 Researchpark 330, B-1731 Zellik, Belgium Phone: +32 13 53 95 47 Fax: +32 13 53 95 49</p>	<p>China Cold Jet Dry Ice Equipment (Shanghai) Co., Ltd. Address: Room 111, Building 1 Jindu Road No. 1199 Minhang District, Shanghai, China, 201108 Phone: +86 21 5296 7161</p>
<p>Germany Cold Jet GmbH Address: Obere Industrie Strasse 1 54595 Weinsheim, Germany Phone: +49 6551 9606-0 Customer Service: +49 65519606-14</p>	<p>Denmark Cold Jet ApS Address: Industrivej 68, DK-6740 Bramming, Denmark Phone: +45 7656 1500 Fax: +45 7656 1509</p>
<p>Poland Cold Jet Sp. z o.o. Address: ul. Łukowska 12 Oborniki, Poland 64-600 Phone: +48 798 33 88 00</p>	<p>Mexico Cold Jet Latinoamérica S. de R.L. de C.V. Address: Calle Sinaloa, 901-3. Colonia: Nuevo Repueblo Monterrey, NL, Mexico CP: 64700 Phone: +52 (81) 1097-0445</p>

Aero C100 SPECIFICATIONS

Hopper capacity	100 lb. (45.5 kg) capacity
Variable feed rate	0 to 7 lb. (0 to 3.2 kg) per min
Blast pressure range	
with optional pressure regulator	20 to 140 psi (1.4 to 9.7 bar)
without pressure regulator	65 to 140 psi (4.5 to 9.7 bar)
Supply pressure range	65 to 140 psi (4.5 to 9.7 bar)
Air consumption range	50 to 215 cfm (1.4 to 6.1 m ³ /min) at 80 psi (5.5 bar)
Weight.	250 lb. (113.4 kg)
Size (L x W x H)	31" x 15" x 45" (79 cm x 38 cm x 114 cm)

Aero C100 Dry Ice Blast Cleaning Systems

The Aero C100 Dry Ice Blast Cleaning System comes complete with one length 1" (2.5 cm) of blast hose, one length of air hose, applicator without light, specified nozzle to best suit cleaning application needs, nozzle hanger, static bond cable, hose wrap (qty 2), hose carrier (qty 2), and food grade oil (1 qt/litre).



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. Nozzles noted with (*) are recommended for use where blasting pressure is >140 psi (9.7 bar). Recommended accessory handle is noted where applicable.

Low and Standard Flow Nozzles

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

Nozzle	Part #	Air Consumption	Blast Swath	Feed rate	Length	Material	Handle
110S.6	5E0180	50cfm @ 80psi (1.4m ³ /min @ 5.5 bar)	0.6" (1.5 cm)	1-3 lbs/min (0.5-1.4 kg/min)	10" (25.4 cm)	Anodized Aluminum	2E0209
123S.7	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
310S.5	5E0233	100cfm @ 80psi (2.8m ³ /min @ 5.5 bar)	0.45" (1.1 cm)	2-4 lbs/min (0.9-1.8 kg/min)	10" (25.4 cm)	Aluminum	2E0275
310S.6	5E0232	140cfm @ 80psi (3.9m ³ /min @ 5.5 bar)	0.6" (1.5 cm)	2-4 lbs/min (0.9-1.8 kg/min)	10" (25.4 cm)	Aluminum	2E0275
312SI	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
323SI	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	Part #	Air Consumption	Blast Swath	Feed rate	Length	Material	Handle
507S2	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	n/a
503M.8 (MERN Technology)	5E0095	150cfm @ 80psi (4.3m ³ /min @ 5.5 bar)	0.6" (1.5 cm)	3-5 lbs/min (1.4-2.3 kg/min)	3" (7.6 cm)	Aluminum	n/a
505M.8 (MERN Technology)	5E0108	150cfm @ 80psi (4.3m ³ /min @ 5.5 bar)	0.6" (1.5 cm)	3-5 lbs/min (1.4-2.3 kg/min)	5" (12.7 cm)	Aluminum	2E0209
508M.8 (MERN Technology)	5E0107	150cfm @ 80psi (4.3m ³ /min @ 5.5 bar)	0.6" (1.5 cm)	3-5 lbs/min (1.4-2.3 kg/min)	8" (20.3 cm)	Aluminum	2E0209
523MI (MERN Technology)	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
523PI	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)	Polymer	2E0289
523S3	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
533SI *	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	2E0209
533S2 *	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

* Nozzles noted with (*) are recommended for use where blasting pressure is >140 psi (9.7 bar).

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	Part #	Air Consumption	Blast Swath	Feed rate	Length	Material	Handle
312V2	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	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	5E0272	150cfm @ 80psi (4.3m ³ /min @ 5.5 bar)	0.6" (1.5 cm)	3-5 lbs/min (1.4-2.3 kg/min)	8" (20.3 cm)	Aluminum	2E0289
523V2	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	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	2E0287

Specialty Nozzles






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



Nozzle	Part #	Air Consumption	Blast Swath	Swath Orientation	Feed rate	Length	Angle	Material
112HK	2E0361	70cfm @ 80psi (2.0m 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°	Polymer Coated SST
114P.5	5E0183	70cfm @ 80psi (2.0m ³ /min @ 5.5 bar)	0.25" (0.6 cm)	n/a	1-3 lbs/min (0.5-1.4 kg/min)	10.3" (26.2 cm)	straight	Polymer
307A135V.8	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°	Polymer Coated SST
307A45HI	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	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°	
307A90VI	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	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	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	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
317A90HI	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°	Polymer Coated SST
509C	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

Nozzle Extension Tubes



		Aero C100			
	Nozzle Extension Tube 3/4" (1.9 cm) OD Internal threaded end fittings. Available in 10" (25.4 cm), 20" (50.8 cm), and 30" (76.2 cm) Recommended for use with nozzles that have a flow rating <100 cfm @ 80 psi (2.8 m3/min @ 5.5 bar) Stainless Steel				
	Part #: 3E0715 - Length	◆	◆	◆	◆
	Nozzle Extension Tube 1" (2.5 cm) OD Internal threaded end fittings Available in 10" (25.4 cm), 20" (50.8 cm), and 30" (76.2 cm) Recommended for use with nozzles that have a flow rating >100 cfm @ 80 psi (2.8 m3/min @ 5.5 bar) Aluminum				
	Part #: 3E0633 - Length	◆	◆	◆	◆

Nozzle Accessories


		Aero C100			
	JICF Quick Change Module Enables quick and safe nozzle changes Can be used with all nozzles, with appropriate couplings and end fittings				
	Part #: 2E0360 - 3/4" (1.9 cm)		◆		
	Nozzle Adapter 3/4" (1.9 cm) JICM Used with 3/4" (1.9 cm) JICF nozzles and extension tubes when used with AeroTech Applicator or QCM. Aluminum				
	Part #: 3E0729		◆		
	Nozzle Adapter 1" (2.5 cm) JICM Allows connection of extension tube to applicator Aluminum				
	Part #: 3E0976		◆		
	Nozzle Base 1" (2.5 cm) JICM Allows the 1" (2.5 cm) OD nozzle extension tube to be used with nozzle Aluminum				
	Part #: 2E0420		◆		
	Nozzle Handles Attaches to nozzles in order to increase nozzle control when blasting.				
	Part #: 2E0275 - 3/4" (1.9 cm) OD		◆		
	Part #: 2E0209 - 1" (2.5 cm) OD		◆		
	Part #: 2E0289 - 1 3/16" (3 cm) OD		◆		


	Nozzle Handles Attaches to nozzles in order to increase nozzle control when blasting. Clamp Style (used with 523S3 and 523V4)	
	Part #: 2E0287	◆
	JICM Rotary Union Allows full rotation when a nozzle is attached to a blast hose, extension tube or appropriate nozzle extension.	
	Part #: 2N0163	◆






Applicators





		Aero C100
	AeroTech Applicator Lightweight applicator with a low center of gravity significantly reduces arm fatigue. Safety on/off switch to ensure safety when not blasting. Trigger switch allows the operator to blast with "Air Only" when purging the system or "Air and Ice" when ready to clean. Integrated Quick Change feature enables operators to change nozzles safely and easily. Military-Grade light attachment mounted on top of Applicator will illuminate area being cleaned	
	Part #: 2E0426-G1 AeroTech Applicator without Light 2E0426-G2 AeroTech Applicator with Light (shown)	◆
	Foot Switch Eliminates the need for a hand-held control switch. Allows nozzle to be attached directly to the blast hose for better ergonomics. "Deadman style" safety foot pedal.	
	Part #: 2G1070	◆

Blast Hoses


		Aero C100
	Blast Hose 20' (6.1 m) section Designed to eliminate constrictions and freezing up during blasting.	
	Hose Part #: 2N0221-G1 - 3/4" (1.9 cm) ID 2N0221-G3 - 3/4" (1.9 cm) ID (with Air Tubing) 2N0222-G1 - 1" (2.5 cm) ID 2N0222-G3 - 1" (2.5 cm) ID (with Air Tubing) 2N0223-G1 - 1 1/4" (3.2 cm) ID 2N0223-G3 - 1 1/4" (3.2 cm) ID (with Air Tubing)	◆
	Urebrade Blast Hose - 140 psi (9.7 bar) 5N0043 - 3/4" (1.9 cm) ID 2N0205-G2 - 3/4" (1.9 cm) ID (with Air Tubing) 5N0042 - 1" (2.5 cm) ID 2N0200-G2 - 1" (2.5 cm) ID (with Air Tubing) 5N0044 1 1/4" (3.2 cm) ID 2N0203-G2 1 1/4" (3.2 cm) ID (with Air Tubing)	◆
	Tubing Assembly 20' (6.1 m) Section Used to connect Dual Trigger Interconnect Box or Foot Switch to blast unit. Part #: 2N0213	◆

	<p>Air Hose 25' (7.6 m) Section 1" (2.5 cm) ID 300 psi (20.7 bar) Used to carry pressurized air from air source to blast unit. Includes one swivel adapter. For each length of hose ordered, order one Whip Check! Part #: 2N0199</p>	◆
	<p>Bond Cable Shaft Collar One bond cable shaft collar is required per complete hose run.</p>	
	<p>Part #: 3N0087 - 1 1/4" bore (for 3/4" hose)</p>	◆
	<p>Part #: 3N0088 - 1 1/2" bore (for 1" hose)</p>	◆
	<p>Part #: 3N0089 - 1 13/16" bore (for 1 1/4" hose)</p>	◆

Accessories	Aero C100	
	<p>Static Bond Cable Connects the hose to the work piece being blasted bonding the two in order to virtually eliminate electrostatic discharge.</p>	
	<p>Part #: 2G1282</p>	◆
	<p>Retractable Static Ground Reel 30' (9.1 m) of retractable cable can be mounted on the underside of the blast system. The static cable is used to ground work piece through the blast system in order to reduce static build-up.</p>	
	<p>Part #: 2G1284</p>	◆
	<p>Hose Management System Velcro wrap used to assist in control and storage of your hoses.</p>	
	<p>Part #: 4Z0597</p>	◆
	<p>Hose Carrier Durable rubber handle with fabric straps to help hang and carry hoses when moving or storing.</p>	◆
	<p>Part #: 4Z0590</p>	◆
	<p>Flow Divider Splits one blast flow into two for simultaneous blasting while maintaining pellet integrity. Dual Trigger Interconnect Box is also required; Part #: 2I0224 The Air Only Applicator Switch will not function if Flow Divider is being used.</p>	
	<p>Part #: 2E0320 - 1 1/4" (3.2 cm) flow to two 1"(2.5 cm) hoses</p>	◆
	<p>Part #: 2E0319 - 1 1/2" (3.8 cm) flow to two 1 1/4" (3.2 cm) hoses</p>	◆

		Aero C100
	JIC Fittings Used to connect the hose to the blast machine and/or to connect extensions to some nozzles.	
	Part #: 12HTX-S - 3/4" (1.9 cm) JICM	◆
	Part #: 16HTX-S - 1" (2.5 cm) JICM	◆
	Part #: 20HTX-S - 1 1/4" (3.2 cm) JICM	◆
	Part #: 16-12TRBTX-S - 1" (2.5 cm) JICF to 3/4" (1.9 cm) JICM	◆
	Part #: 5N0013 - 1" (2.5 cm) JICM to 3/4" (1.9 cm) JICM Aerodynamic	◆
	Part #: 5N0004 - 1 1/4" (3.2 cm) JICF to 1" (2.5 cm) JICM Aerodynamic	◆
	Part #: 5N0003 - 1 1/4" (3.2 cm) JICM to 1" (2.5 cm) JICM Aerodynamic	◆
5N0022 - 1 1/2" (3.8 cm) JICM to 1 1/4" (3.2 cm) JICM Aerodynamic	◆	
	Externally Mounted Pressure Regulator Control your blast aggression with an externally mounted pressure regulator Removable at the blast machine.	
	Part #: 2M0025-G1 (Low Pressure)	◆
Part #: 2M0025-G2 (High Pressure)	◆	
	Internally Mounted Low Pressure Regulator Control your blast aggression with this internally mounted pressure regulator Includes pilot adjustment for placement on control panel Part #: 2M0025-G3	
	Aftercooler Recommended when clean dry air cannot be guaranteed for blasting.	
	Part #: 2M0023-G1	◆
	Pivoting Hose Hanger Used to hang hoses for storage or transportation of blast system. Left / Right orientation: standing in front of and facing Control Panel.	
	Part #: 2J0236-G5 Right Side 2J0236-G6 Left Side	◆
	Nozzle Hanger The engineered Nozzle Hanger safely stores nozzles when not in use. Hanger can be mounted directly to the blast system.	
	Part #: 3J0897	◆

Safety Accessories

<p>Fire Sleeve Recommended if blast hose might be exposed to temperatures above 180 F (82.26 C) Allow 4' (1.2 m) to 20' (6.1 m) coverage for area of blast hose subject to high heat Part #: 4N0094 - 3/4" (1.9 cm) 4N0152 - 1" (2.5 cm) 4N0153 - 1 1/4" (3.2 cm)</p>	
<p>Safety Kit Recommended Safety Kit for use with dry ice blasting equipment. Meets OSHA requirements for operator noise protection (with the use of properly rated and worn ear plugs) Kit includes the following: 100 sets of ear plugs 2 ear protectors Eye protector shield Gloves Dry ice scoop Part #: 2Z0001</p>	