



Aero **C100**

Product Catalog

This catalog contains all of Cold Jet's Aero C100 product offerings and all part numbers that were current at the time of catalog production.

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.

Check www.coldjet.com for the most recent version of this document.

Contact your Cold Jet representative for the most current information.

General Contact Information

USA Headquarters: +1.513.831.3211 +1.800.777.9101

Latin America: +52 (81) 10 97 0445

Germany: +49 (0) 6551 9606.0

Europe Headquarters: +32 (0) 13.53.95.47

Middle East: +32 (0) 13.53.95.47

Canada: +1.513.716.6501

Customer Support After-Hours HOTLINE:

United States/Canada: +1.800.777.9101

Europe: +32 (0) 13 53 94 47

All other locations: +1.513.576.8981

Email:

United States & all other locations: service@coldjet.com

Europe: service.eu@coldjet.com

Aero C100 SPECIFICATIONS

Hopper capacity 100 lbs (45.5 kg) capacity

Variable feed rate 0 to 7 lbs (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 m³/min) at 80 psi (5.5 bar)

Weight..... 250 lbs (113.4 kg)

Size (L x W x H)..... 31" x 15" x 45" (79 cm x 38 cm x 114 cm)

12-month warranty (extended warranty packages available)

Aero C100

Aero C100 Dry Ice Blast Cleaning System

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, 323S1 nozzle with handle (unless otherwise specified), nozzle hanger, static bond cable, hose wrap (qty 2), hose carrier (qty 2), and food grade oil (1 qt/litre).

Part #: Aero C100 2A0155



Applicators



Pneumatic 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 #: 2E0311

Hoses and Cables

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)

* One corresponding bond cable shaft collar is required per complete hose run (not one per hose section).



Tubing Assembly

20' (6.1 m) Section

Used to connect Dual Trigger Interconnect Box or Foot Switch to blast unit.

Part #: 2N0213



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

Bond Cable Shaft Collar

Part #:

3N0087 - 1 1/4" bore (for 3/4" hose)

3N0088 - 1 1/2" bore (for 1" hose)

3N0089 - 1 13/16" bore (for 1 1/4" hose)

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

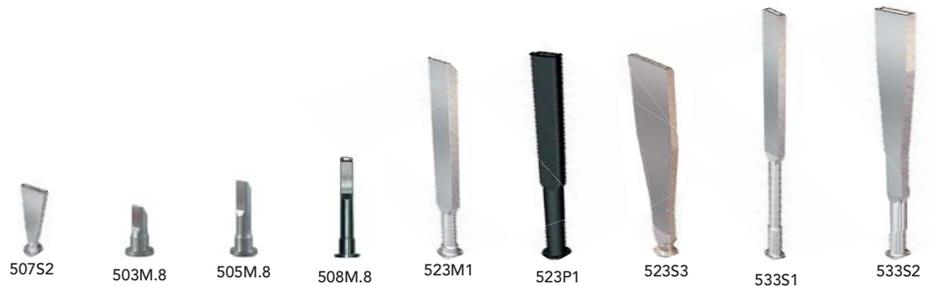
These straight nozzles have standard air consumption rate of 100 cfm or less at 80 psi.



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
312S1	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	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
523M1 (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
523P1	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
533S1 *	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).

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	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 (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°	Polymer Coated SST
114P.5	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	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
307A45H1	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°	
307A90V1	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°	
317A90H1	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

Extension tubes are used to extend nozzles when additional reach is needed with minimal pressure loss. Extension tubes connect to nozzle and applicator with proper fittings (not included).



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



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



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



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.

Adjustable Tube Handle
Part #: 2E0275 - 3/4" (1.9 cm) OD
2E0209 - 1" (2.5 cm) OD
2E0289 - 1 3/16" (3 cm) OD

Clamp Style (used with 523S3 and 523V4)
Part #: 2E0287

Accessories



Static Bond Cable

Connects the hose to the work piece being blasted bonding the two in order to virtually eliminate electrostatic discharge.
Part #: 2G1282



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 thru the blast system in order to reduce static build-up.
Part #: 2G1284



JIC Fittings

Used to connect the hose to the blast machine.
Used to connect extensions to some nozzles.
Part #: 12HTX-S - 3/4" (1.9 cm) JICM

16HTX-S - 1" (2.5 cm) JICM
20HTX-S - 1 1/4" (3.2 cm) JICM
16-12TRBTX-S - 1" (2.5 cm) JICF to 3/4" (1.9 cm) JICM
5N0013 - 1" (2.5 cm) JICM to 3/4" (1.9 cm) JICM Aerodynamic
5N0004 - 1 1/4" (3.2 cm) JICF to 1" (2.5 cm) JICM Aerodynamic
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



Hose Management System

Hose Wrap

Velcro wrap used to assist in control and storage of your hoses.
Part #: 4Z0597



Hose Carrier

Durable rubber handle with fabric straps to help hang and carry hoses when moving or storing.
Part #: 4Z0590



Flow Divider*

Splits one blast flow into two for simultaneous blasting while maintaining pellet integrity
Part #: 2E0320 - 1 1/4" (3.2 cm) flow to two 1" (2.5 cm) hoses
2E0319 - 1 1/2" (3.8 cm) flow to two 1 1/4" (3.2 cm) hoses
Dual Trigger Interconnect Box is required Part #: 2I0224

*The Air Only Applicator Switch will not function if Flow Divider is being used.

Accessories (cont.)



Externally Mounted Air 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)

Pivoting Hose Hangers

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



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

Nozzle Hanger

The engineered Nozzle Hanger safely stores nozzles when not in use. Hanger can be mounted directly to the blast system.
Part #: 3J0897



Lubricator Oil

1 qt (litre) of food grade (FMO-150-AW) oil.
Part #: 4Z0617

After Cooler

Recommended when clean dry air cannot be guaranteed for blasting.
Part #: 2M0023-G1



Safety Accessories



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)

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



Global Headquarters

Loveland, OH USA
+1 800.337.9423

European Headquarters

Zolder, Belgium
+32 (0)13 53 95 47

Germany

Weinsheim, Germany
+49 (0)6551 96060

Canada

Ontario, Canada
+1 800.337.9423 x501

Latin America

Monterrey, NL Mexico
+52 (81)1097.0445

Middle East

Zolder, Belgium
+32 (0)13 53 95 47

Asia/Pacific

+1 513.831.3211 x709



Cold Jet[®]
www.coldjet.com