



Aero **C100**

Product Catalog

This catalog contains all of Cold Jet's Aero C100 Product Offerings. All part numbers are included in the catalog. Cold Jet will always ship the latest version of each part. Invoices will always reflect the latest revision level numbers.

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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 20 to 140 psi (1.4 to 9.7 bar)
Air pressure range 65 to 140 psi (4.5 to 9.7 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)

Required compressed airflow volume depends on the nozzle being used. Most Cold Jet nozzles need 50 to 180 cfm (1.4 to 5.1 m³/min) at 80 psi (5.5 bar) blast pressure.

12-month warranty (extended warranty packages available)

Aero C100

Aero C100 Dry Ice Blast Cleaning System

The Aero C100 Dry Ice Blast System comes complete with one length of blast hose, one length of air hose, standard applicator, customer specified nozzle with handle (if applicable), 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.

Single-finger trigger allows easy control of blasting power.

Safety on/off switch to ensure safety when not blasting.

Switch allows the ability to blast with "Air Only" when purging the system and "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 (P/N # 2Z0008)

Part #: 2E0426-G1 Applicator without light (Light kit purchased separately P/N # 2Z0008)

2E0426-G2 Applicator with Light



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.

Part #:

Silibrade Blast Hose - 70 psi (4.8 bar)

5N0052 - 1" (2.5 cm) ID

2N0212-G2 - 1" (2.5 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 Control Cable)

5N0042 - 1" (2.5 cm) ID

2N0200-G2 - 1" (2.5 cm) ID (with Control Cable)

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

Use to connect hand, remote 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!

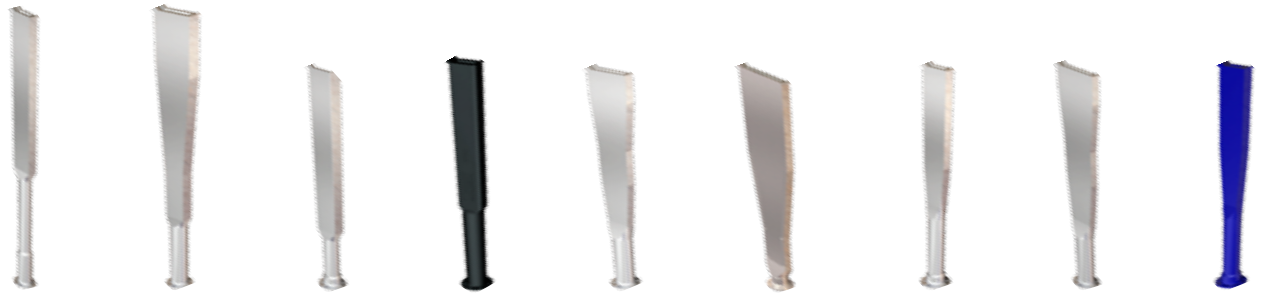
Part #: 2N0199



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.

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



	533 HF*	533 HF.2*	523 HF	523 Stealth	523 HF.2	223 SL	523 SF	523 SF.2	523 SLF
Part #	5E0161	5E0164	5E0138	5E0167	5E0174	5E0190	5E0175	5E0176	5E0179
Flow Rating	150cfm @ 80psi/ 4.3m ³ /min @ 5.5 bar	150cfm @ 80psi/ 4.3m ³ /min @ 5.5 bar	150cfm @ 80psi/ 4.3m ³ /min @ 5.5 bar	150cfm @ 80psi/ 4.3m ³ /min @ 5.5 bar	150cfm @ 80psi/ 4.3m ³ /min @ 5.5 bar	165cfm @ 80psi/ 4.7m ³ /min @ 5.5 bar	100cfm @ 80psi/ 2.8m ³ /min @ 5.5 bar	150cfm @ 80psi/ 4.3m ³ /min @ 5.5 bar	50cfm @ 80psi/ 1.4m ³ /min @ 5.5 bar
Blast Swath	1" / 2.5 cm	2" / 5.1 cm	1" / 2.5 cm	1" / 2.5 cm	2" / 5.1 cm	3" / 7.6 cm	1" / 2.5 cm	2" / 5.1 cm	0.7" / 1.8 cm
Length	33" / 83.8 cm	33" / 83.8 cm	23" / 58.4 cm	23" / 58.4 cm	23" / 58.4 cm	23" / 58.4 cm	23" / 58.4 cm	23" / 58.4 cm	23" / 58.4 cm
Angle	Straight	Straight	Straight	Straight	Straight	Straight	Straight	Straight	Straight
Dry Ice Feed Rate/min	3-5 lbs / 1.4-2.3 kg	4-6 lbs / 1.8-2.7 kg	3-5 lbs / 1.4-2.3 kg	3-5 lbs / 1.4-2.3 kg	3-5 lbs / 1.4-2.3 kg	4-6 lbs / 1.8-2.7 kg	2-4 lbs / 0.9-1.8 kg	3-5 lbs / 1.4-2.3 kg	1-3 lbs / 0.5-1.4 kg
Material	Aluminum	Aluminum	Aluminum	Plastic	Aluminum	Aluminum	Aluminum	Aluminum	Anodized Aluminum
Recommended Handle	2E0289	2E0289	2E0289	2E0289	2E0289	2E0287	2E0209	2E0289	2E0209



	412SL	413 SL	508 SL	510 SLF	807 SL	403 SL	402 SL	224 DF	413 DF
Part #	5E0156	5E0159	2E0323	2E0341	5E0141	2E0331	5E0160	5E0229	5E0228
Flow Rating	100cfm @ 80psi/ 2.8m ³ /min @ 5.5 bar	100cfm @ 80psi/ 2.8m ³ /min @ 5.5 bar	100cfm @ 80psi/ 2.8m ³ /min @ 5.5 bar	50cfm @ 80psi/ 1.4m ³ /min @ 5.5 bar	165cfm @ 80psi/ 4.7m ³ /min @ 5.5 bar	100cfm @ 80psi/ 2.8m ³ /min @ 5.5 bar	100cfm @ 80psi/ 2.8m ³ /min @ 5.5 bar	165cfm @ 80psi/ 4.7m ³ /min @ 5.5 bar	100cfm @ 80psi/ 2.8m ³ /min @ 5.5 bar
Blast Swath	1" / 2.5 cm	1.8" / 4.6 cm	0.75" / 1.9 cm	0.6" / 1.3 cm	2" / 5.1 cm	0.5" / 1.3 cm	1" / 2.5 cm	4" / 10.2 cm	1.8" / 4.6 cm
Length	12" / 30.5 cm	12" / 30.5 cm	8" / 20.3 cm	10" / 25.4 cm	7" / 17.8 cm	3" / 7.6 cm	2" / 5.1 cm	23" / 58.4 cm	12" / 30.5 cm
Angle	Straight	Straight	Straight	Straight	Straight	Straight	Straight	Straight	Straight
Dry Ice Feed Rate/min	2-4 lbs / 0.9-1.8 kg	3-5 lbs / 1.4-2.3 kg	2-4 lbs / 0.9-1.8 kg	1-3 lbs / 0.5-1.4 kg	3-5 lbs / 1.4-2.3 kg	2-4 lbs / 0.9-1.8 kg	2-4 lbs / 0.9-1.8 kg	3-5 lbs / 1.4-2.3 kg	2-4 lbs / 0.9-1.8 kg
Material	Aluminum	Plastic	Aluminum	Anodized Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Recommended Handle	2E0289	2E0289	2E0209	2E0209	2E0289	N/A	N/A	2E0287	2E0209

Nozzle Extension Tubes

Extension tubes are used to extend nozzles when additional reach is needed.
 Minimum pressure loss.
 Extension tubes connect directly to nozzle and applicator with proper fittings.



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
 Permits all low flow tight access nozzles to be used with Quick Change Module (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 and movement 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 223 SL and 224 DF)
 Part #: 2E0287

Accessories



Static Bond Cable

Connecting / Bonding the applicator to the piece being blasted in order to 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. Cable is used to ground work piece to the blast system in order to reduce static build-up.
 Part #: 2G1284



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



JIC Blast Hose 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



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 #: 2G1157

Accessories (cont.)



Externally Mounted Air Pressure Regulator

Control your blast aggression with this externally mounted pressure regulator
Removable at the blast machine.
Part #: 2M0025-G1 (Low Pressure)
Part #: 2M0025-G2 (High Pressure)

Pivoting Hose Management System

Used to hang hoses for storage or transporting system.
Left / Right orientation: standing in front of and facing Control Panel.
Part #: 2J0236-G5 Right Side
2J0236-G6 Left Side



Internally Mounted Pressure Regulator

Control your blast aggression with this internally mounted pressure regulator
Includes pilot adjustment for placement on control panel
Part #: 2M0025-G3 (Low Pressure)
Part #: 2M0025-G4 (High Pressure)

Nozzle Hanger

Convenient hangers mounted to blast system. Use to store nozzles when not in use or for easy access when cleaning needs require more than one nozzle.
Part #: 3J0897



Air Line Oil

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



Applicator Light Kit

Light kit comes with flashlight, mounting ring and mounting rail. Kit can be attached to top of applicator to help light surface being cleaned.

"SureFire" light kit provides exceptional lumination and long battery life (battery required: 123A - Qty 2)
Part #: 2Z0008



After Cooler

Recommended when using a portable diesel compressor as an air supply in order to reduce moisture from the air.
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



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