



Aero **80** Series

Product Catalog

This catalog contains all of Cold Jet's Aero 80 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.

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Aero 80 Series SPECIFICATIONS

Hopper capacity 80 lbs (36.4 kg) capacity

Variable feed rate 0 to 7 lbs (0 to 3.2 kg) per min

Blast pressure range

Aero 80 HP

with optional pressure regulator 20 to 300 psi (1.4 to 20.7 bar)

without pressure regulator 65 to 300 psi (4.5 to 20.7 bar)

Aero 80

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

Aero 80 HP 65 to 300 psi (4.5 to 20.7 bar)

Aero 80 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 400 lbs (181 kg)

Size (L x W x H) 43" x 20" x 46" (109 cm x 52 cm x 118 cm)

12-month warranty (extended warranty packages available)

Aero 80 Series

Aero 80 Series Dry Ice Blast Cleaning Systems

The Aero 80 Series Blast Cleaning System comes complete with the following:

- One length of 1" (2.5 cm) blast hose
- One length of air hose
- Applicator without light (Aero 80) with light (Aero 80 HP)
- Specified nozzle to best suit cleaning application needs
- Static Bond Cable
- Nozzle Hanger (qty 1 for Aero 80/ qty 2 for Aero 80 HP)
- Hose Wrap (qty 2) and Hose Carrier (qty 2)

The following for Aero 80 HP

- Hose Hangers (qty 2)
- Cord Wrap and Extension Cord
- Retractable Static Ground Reel
- Dry Ice Recycling Bag

Part #:	Aero 80	2A0162
	Aero 80 HP	2A0164



Applicators



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 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.

Part #: 2E0425-G1 (Applicator without light) Standard on Aero 80
2E0425-G2 (Applicator with light) Standard on Aero 80 HP



Tight Access Applicator

Lightweight, simple & easy design for better control of blasting in areas where the access is tight.

Safety on/off switch to ensure safety when not blasting.
Part #: 2E0447 (includes QCM)



Mini Applicator

Small and lightweight design for ease of use and great control of blasting for applications where a smaller applicator is desired. Safety on/off switch to ensure safety when not blasting.

Part #: 2E0524-C (includes QCM)

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-G2 - 3/4" (1.9 cm) ID (with Control Cable)
- 2N0222-G1 - 1" (2.5 cm) ID
- 2N0222-G2 - 1" (2.5 cm) ID (with Control Cable)
- 2N0223-G1 - 1 1/4" (3.2 cm) ID
- 2N0223-G2 - 1 1/4" (3.2 cm) ID (with Control Cable)

Urethane Blast Hose - 140 psi (9.7 bar)

- 5N0043 - 3/4" (1.9 cm) ID
- 2N0205-G1 - 3/4" (1.9 cm) ID (with Control Cable)
- 5N0042 - 1" (2.5 cm) ID
- 2N0200-G1 - 1" (2.5 cm) ID (with Control Cable)
- 5N0044 - 1 1/4" (3.2 cm) ID
- 2N0203-G1 - 1 1/4" (3.2 cm) ID (with Control Cable)

Kevlar Blast Hose - 300 psi (20.7 bar)

- 5N0046 - 3/4" (1.9 cm) ID
- 2N0210 - 3/4" (1.9 cm) ID (with Control Cable)
- 5N0045 - 1" (2.5 cm) ID
- 2N0201 - 1" (2.5 cm) ID (with Control Cable)
- 5N0047 - 1 1/4" (3.2 cm) ID
- 2N0204 - 1 1/4" (3.2 cm) ID (with Control Cable)

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



Remote Switch

Remote start/stop station for fixed applications. Connects directly to blast control cable.

Part #: 2G1137



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

5-Pin Control Cable

10' (3.04 m) and 20' (6.1 m) Section.

Use to connect remote, foot switch or Dual Trigger Interconnect Box to blast unit.

Part #: 3G0072 (10' - 3.04 m)
4G0819 (20' - 6.1 m)

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)

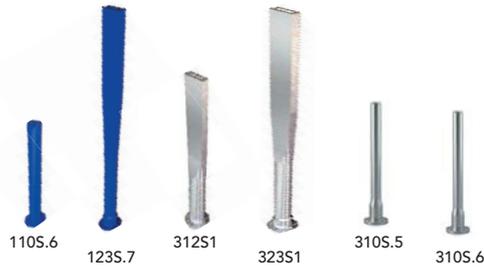
Aero Nozzles

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

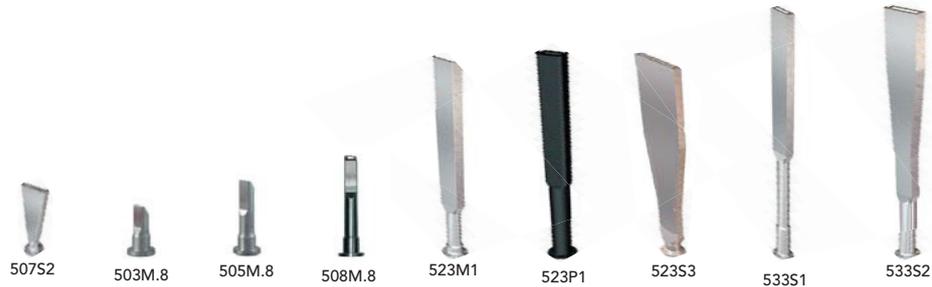
These straight nozzles have standard air consumption rate of 100 cfm or less at 80 psi.



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 (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
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°	Aluminum
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



Extension Cord & Reel

50' (15.2 m) of electrical power cord used when additional length of cord is necessary.
Part #: 2H0017-G1 (110 Volts)
(Contact Customer Service for other voltage options)



Static Bond Cable

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



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



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



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

*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.
Universal orientation.
Part #: 2J0228 -G1 (Qty 1)



Internally Mounted Pressure Regulator



Control your blast aggression with this internally mounted pressure regulator
Includes pilot adjustment for placement on control panel
Part #: 2M0025-G11 (Low Pressure)

Nozzle Hanger

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



Dry Ice Recycling Bag

Collapsible bag used to capture unused dry ice from tilt out hopper (available only on Aero HP)
Part #: 3T0138

Cord Wrap

Mounted to blast system in order to store electrical cord for transporting and storage.
Part #: 2J0229



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



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