

Aero 30LF

PRODUCT CATALOG



This catalog contains all of Cold Jet's Aero 30LF 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 30LF SPECIFICATIONS

Hopper capacity 30 lbs (13.6 kg) capacity

Fixed feed rate 1.5 lbs (0.7 kg) per min

Blast pressure range

Aero 30LF

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 30LF 65 to 140 psi (4.5 to 9.7 bar)

Air consumption range 50 to 150 cfm (1.4 to 4.3 m³/min) at 80 psi (5.5 bar)

Weight..... 167 lbs (76 kg)

Size (L x W x H)..... 29" x 17" x 34" (75 cm x 43 cm x 85 cm)

12-month warranty (extended warranty packages available)

Aero 30LF

This lightweight, compact, single-hose low pressure, electric blasting system utilizes dry ice pellets in its' patented aerodynamic rotor assuring high reliability and a smooth pulse-free dry ice blast flow at blast pressures up to 140 psi (9.7 bar).



The dry ice blasting system includes one length each of low-pressure dry ice blast hose and air hose, customer-specified rotor, dry ice blasting applicator, and nozzle (with appropriate handle if applicable).

High Performance Applicator

Lightweight, single-finger trigger allows easy control of blasting power. Safety switch. Designed for right and left handed users. Includes a JIC fitting mounted to a rotary union for superior ergonomics. Integrated Quick Change feature so that nozzles can be changed safely and easily.

Single-Speed - Part #: 2E0362-G1 (1")



Externally Mounted Coalescing Air Filter (CAF)

Designed to remove large amounts of water, oil, rust, and/or other particles from the air supply.
Part #: 2M0022-G7

Externally Mounted Air Pressure Regulator

Externally mounted, removable at the blast machine.
Part #: 2M0022-G1



Tight Access Applicator

Simple & easy design for better control of blasting in tight access areas. Lightweight. Ergonomic trigger. Safety switch.

Part #: 2E0447 (includes QCM)



Remote Switch

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

Part #: 2G1137



Rotor

Determines dry ice pellet feed rate (pounds/kilograms per minute)
Part #: 3E0971 - 1 1/2 lbs (0.7 kg) /min



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



Hoses and Cables



Low Pressure Urethane Core Blast Hose

Shown without protective sleeve

- Part #: 2N0205-G1 - 3/4" (1.9 cm) ID, 140 psi (8.3 bar), 20' (6.1 m) section with control cable
- Part #: 2N0200-G1 - 1" (2.5 cm) ID, 140 psi (8.3 bar), 20' (6.1 m) section with control cable
- Part #: 2N0203-G1 - 1 1/4" (3.2 cm) ID, 140 psi (8.3 bar), 20' (6.1 m) section with control cable



Air Hose

- Used to carry pressurized air from air source to blast unit.
- Includes swivel adapters.
- For each length of hose ordered, order one Whip Check!
- Part #: 2N0146-G1 - 1" (2.5 cm) ID, 300 psi (20.7 bar), 25' (7.6 m) Section



Control Cable

- 10' (25.4 cm) and 20' (6.1 m) Section.
- Use to connect remote or foot switch to blast unit.
- Part #: 3G0072 (10' - 25.4 cm)
4G0819 (20' - 61 cm)

Accessories

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
- 2406-12-16 - 3/4" (1.9 cm) JICF x 1" (2.5 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



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)



Whip Check

- Recommended for each length of air hose
- Part #: 4Z0051

Safety Kit

- 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



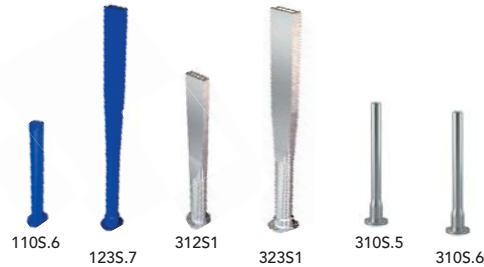
Aero Nozzles

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

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

Aero Nozzles (cont.)

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

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