

SDI-5

PRODUCT CATALOG



This catalog contains all of Cold Jet's SDI-5 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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Contact your Cold Jet representative for the most current information.

General Contact Information

USA Headquarters: +1.513.831.3211 +1.800.337.9423

Latin America: +52 (81) 1097.0445

Germany: +49 (0) 6551 9606.0

Europe Headquarters: +32 (0) 1353.9547

Middle East: +32 (0) 1353.9547

Canada: +1.800.337.9423 x501

Asia/Pacific: +81 3 4360 8200

Customer Support After-Hours HOTLINE:

United States/Canada: +1.800.777.9101

Europe: +32 (0) 1353.9659

All other locations: +1.513.576.8981

Email:

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

Europe: service.eu@coldjet.com

SPECIFICATIONS

Hopper capacity up to 120 lbs (54.5 kg) capacity

Variable feed rate 1 to 6 lbs (0.5 to 2.7 kg) per min

Blast pressure range40 to 250 psi (2.8 to 17.2 bar)

Weight..... 430 lbs (195 kg)

Size (L x W x H)..... 37" x 24.5" x 45"

..... (94 cm x 62.2 cm x 114.3 cm)

12-month warranty (extended warranty packages available)

SDI-5

This versatile dual-hose all pneumatic blasting system utilizes dry ice block, pellets, or nuggets to create a blast stream at blast pressures ranging from 40 to 250 psi (2.8 to 17.2 bar).



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

Dual Hose Blast Hose Assembly

Lightweight, ergonomic design allows to blast comfort during long periods of times at blast pressures up to 250 psi (17.2 bar). Assembly comes with 25' (7.6 m) blast and air hose, and applicator. Applicator can be used with dry ice pellets as well as sugar-sized granules produced from shaved block dry ice.

Part #: 2E0406



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

Variable Flow Aggressive Nozzles

Full pressure barrel blast nozzles in Black ABS or Aluminum.

Nozzles have 1 1/4" (3.18 cm) OD. Minimum required flow rates range from 70 to 240 SCFM (2 to 6.8 m³/min) at 25 to 250 psi (1.7 to 17.2 bar).



	Series 51	Series 53	Series 56	Series 63
3" (7.6 cm)	5E0938 5E0939	5E0944 5E0945	5E0950 5E0951	5E0956 5E0957
5" (12.7 cm)	5E0940 5E0941	5E0946 5E0947	5E0952 5E0953	5E0958 5E0959
8" (20.3 cm)	5E0942 5E0943	5E0948 5E0949	5E0954 5E0955	5E0960 5E0961

First part number in series represents Black ABS, second number represents Aluminum

Extended Lengths available from 18" to 36" (45.7 cm to 91.4 cm) in Black ABS

Part #: 5E0976-Length

2.4" (6 cm) Blast swath

Length 15.5" (39.4 cm)
Requires 85 SCFM (2.4 m³/min)
Includes handle and base fitting (shown)
Part #: 5E0971 - Aluminum
5E0972 - Stainless Steel



Flexible Nozzle

Length: 8" (20.32 cm)

Allows you to gently shape the barrel to get around obstructions that block your cleaning path.

Due to its diameter, this nozzle is low-flow and may be less aggressive than larger diameter nozzles.

Part #: 5E0974 - 5/8" (1.6 cm) Diameter
5E0975 - 1/2" (1.3 cm) Diameter



Special stinger required.


Part #: 5E0973

Nozzle Accessories

Choosing a Stinger for your nozzle (using combination chart below):

- Determine your desired blast pressure, if you wish to blast at 90 psi (6.2 bar), choose an LF-85, MF-85, or HF-85 stinger, each with an operating range of 50 - 100 psi (3.4 - 6.9 bar).
- Based on the air flow rate your compressor can provide, choose a Low Flow, Medium Flow, or High Flow stinger. (For maximum cleaning aggression, choose the highest air flow available from your compressor).
- Once you have selected a stinger, examine the chart below to determine which nozzle series (above) is appropriate for that stinger.

EXAMPLE: If you wish to blast at 90 psi (6.2 bar) and your compressor can supply 160 SCFM (4.5 m³/min), you would choose an MF-85 stinger and a matching nozzle from Series 53.



STINGER-PSI		Desired Operating Range	Minimum Required Flow Rate	Stinger	51	53	56	63
Low Flow	LF-50	25 - 50 psi (1.7 - 3.4 bar)	70 SCFM (2.0 m ³ /min)	5E0962	◆			
	LF-85	50 - 100 psi (3.4 - 6.9 bar)	110 SCFM (3.1 m ³ /min)	5E0963	◆			
	LF-125	100 - 125 psi (6.9 - 8.6 bar)	160 SCFM (4.5 m ³ /min)	5E0964		◆		
Med. Flow	MF-50	25 - 50 psi (1.7 - 3.4 bar)	120 SCFM (3.4 m ³ /min)	5E0965	◆			
	MF-85	50 - 100 psi (3.4 - 6.9 bar)	150 SCFM (4.2 m ³ /min)	5E0966		◆		
	MF-125	100 - 125 psi (6.9 - 8.6 bar)	225 SCFM (6.4 m ³ /min)	5E0967			◆	
High Flow	HF-50	25 - 50 psi (1.7 - 3.4 bar)	125 SCFM (3.5 m ³ /min)	5E0968		◆		
	HF-85	50 - 100 psi (3.4 - 6.9 bar)	195 SCFM (5.5 m ³ /min)	5E0969			◆	
	HF-125	100 - 125 psi (6.9 - 8.6 bar)	240 SCFM (6.8 m ³ /min)	5E0970				◆

Safety Accessories



Fire Sleeve

- Recommended if blast hose might be exposed to temperatures above 180° F (82.26° C)
- Allow 4' (1.2m) to 15' (4.6m) coverage for area of blast hose subject to high heat

Part #: 4N0153 - 1 1/4" (3.2 cm) OD



Whip Check

- Recommended for each length of air hose

Part #: 4Z0051



Block Handler

- Allows for easy transporting of Dry Ice Block

Part #: 70540-001



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 or block handler

Part #: 2Z0001 (includes dry ice scoop)
2Z0001-1 (includes block handler)

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

Tokyo, Japan
+81 3 4360 8200



Cold Jet[®]
www.coldjet.com