

# 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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## 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 range .....40 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 m<sup>3</sup>/min) at 25 to 250 psi (1.7 to 17.2 bar).



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

*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 m<sup>3</sup>/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 m<sup>3</sup>/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 <sup>3</sup> /min)	5E0962	◆			
	LF-85	50 - 100 psi (3.4 - 6.9 bar)	110 SCFM (3.1 m <sup>3</sup> /min)	5E0963	◆			
	LF-125	100 - 125 psi (6.9 - 8.6 bar)	160 SCFM (4.5 m <sup>3</sup> /min)	5E0964		◆		
Med. Flow	MF-50	25 - 50 psi (1.7 - 3.4 bar)	120 SCFM (3.4 m <sup>3</sup> /min)	5E0965	◆			
	MF-85	50 - 100 psi (3.4 - 6.9 bar)	150 SCFM (4.2 m <sup>3</sup> /min)	5E0966		◆		
	MF-125	100 - 125 psi (6.9 - 8.6 bar)	225 SCFM (6.4 m <sup>3</sup> /min)	5E0967			◆	
High Flow	HF-50	25 - 50 psi (1.7 - 3.4 bar)	125 SCFM (3.5 m <sup>3</sup> /min)	5E0968		◆		
	HF-85	50 - 100 psi (3.4 - 6.9 bar)	195 SCFM (5.5 m <sup>3</sup> /min)	5E0969			◆	
	HF-125	100 - 125 psi (6.9 - 8.6 bar)	240 SCFM (6.8 m <sup>3</sup> /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)

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