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# Power PT

This low pressure dual-hose all pneumatic blasting system package utilizes dry ice pellets to blast away unwanted contaminants including carbon, oils, and mold release agents at blast pressures ranging from 25 to 125 psi (1.7 to 8.6 bar).

Separator/filter provides added protection of pneumatic controls and ensures clean blast air

Variable dry ice pellet feed rate of 1 to 4 lbs (0.5 to 1.8 kg) per minute

Quad wheel design can be used in two-wheel mode when negotiating steps or in all-wheel mode for easy in-plant mobility

The dry ice blasting system includes one length each of dry ice blast and air hose, dry ice blasting applicator, and customer-specified nozzle.

110 lb (50 kg) hopper



## SPECIFICATIONS

Hopper capacity .....	110 lbs / 50 kg capacity
Variable feed rate .....	1 to 4 lbs / 0.5 to 1.8 kg per min
Blast pressure range .....	25 to 125 psi / 1.7 to 8.6 bar
Air supply pressure range .....	75 to 150 psi / 5.2 to 10.3 bar
Weight.....	131 lbs / 59.4 kg
Size (L x W x H).....	18.5" x 14" x 45.8"
	43 cm x 36 cm x 116 cm
12-month warranty (extended warranty packages available)	

# Dual Hose Applicator

Lightweight, ergonomic design allows to blast comfort during long periods of times at blast pressures up to 125 psi (8.6 bar). Applicator can be used with dry ice pellets as well as sugar-sized granules produced from shaved block dry ice.

**Part #: 2E0406 (sold only as part of blast/air hose assembly)**



## Dual Hose Air and Blast Hose Assembly

Part #: 2E0406 - 15' (4.57 m) section 125 psi (8.62 bar)



### Compressed 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 - 25' (7.6 m) Section 1" (2.5 cm) ID 300 psi (20.7 bar)

# 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 125 psi (1.7 to 8.5 bar).



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

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

- Determine your desired blast pressure (i.e.: 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 - 6.8 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.



		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)	5E09670				◆

# Variable Flow Aggressive Nozzles



## 2.4" (6 cm) Blast swath

Length 15.5" (39.4 cm)  
Requires 85 SCFM (2.4 m<sup>3</sup>/min)  
Part #: 5E0971 - Aluminum  
5E0972 - Stainless Steel



## Flexible Nozzle

Special stinger required.  
Part #: 5E0973

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" (20.3 cm) Diameter  
5E0975 - 1/2" (1.3 cm) Diameter

## Accessories



### Threaded Handle

Threads on to 13407-001 and 13407-002 nozzle.  
Part #: 2E0245

Slides easily and rotates around the extension tubes for optimal comfort and control

## Safety Accessories



### Fire Sleeve

- Recommended if blast hose might be exposed to temperatures above 180° F (82.26° C)
  - Allow 4' (1.2m) to 20' (6.1m) coverage for area of blast hose subject to high heat
- Part #: 4N0094 - 3/4" (1.9 cm) OD  
4N0152 - 1" 2.5 cm) OD  
4N0153 - 1 1/4" (3.2 cm) OD



### 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 earplugs)
  - Kit includes the following:
    - 100 sets of ear plugs
    - 2 ear protectors
    - Eye protector shield
    - Gloves
    - Dry ice scoop
- Part #: 2Z0001

Allows for a horizontal or vertical orientation

Fully adjustable. Loosen and lock by rotating the handle.

## Adjustable Tube Handle

Part #: 2E0289 - 1 3/16" (3cm) OD



# Spare Parts

## Applicator

Part #	Description	Qty
12751-XXX	Barrel	1
12754-XXX	Stinger	1
13204-002B	Gun Weldment "150 psi/10.3 bar" label	1
12411-001C	Trigger Valve	1
80039-810	Screw	2
70385-009	Tube Barb, 1/4"	1
70385-008	Tube Barb, 5/32"	1
70345-016	Hose Barb	1
12264-001C	Trigger Lever Assembly	1
12263-001B	Valve Actuator Lever	1
80083-008	Screw	1
70088-S16	Spring, Torsion (Gun Trigger)	1
80083-028	Screw, Socket HD Cap, 6-32 x 1.75"	1
12784-XXX	Hose Assy.	1

## Blast Machine

Part #	Description	Qty.
70233-011	Filter, Inline, 1/4"	2
70351-002	Filter, Inline	2
70741-006	Element, Filter/Regulator	2
70234-019	Regulator, Pilot (blast air)	1
70333-010	Restrictor, inline, 1/4" NPT, .010"	1
70333-014	Restrictor	1
70335-006	Repair Kit, Poppet Valve (for -002, -010)	2
70741-007	Repair Kit, Filter Regulator	1
70339-001	Valve, 3-Way, Fingertip Lever	1
70412-005	Rebuild Kit, Lubricator	1
70687-002	Regulator (Airlock)	1
70682-002	Rotowink, small	1
80234-001	Tubing Nylon, 5/32" OD x .106 ID, black	50 ft.
80234-003	Tubing Nylon, 1/4" OD x .107 ID, black	50 ft.
12411-001C	Trigger Valve	1
13382-002	Regulator (Ice Rate)	1
70683-001	Selector Valve, 3-Position Handle	1
70683-004	Selector Valve, Arm	1
70683-005	Selector Valve, Disarm	1
70689-001	Logic Element, Pneumatic (or)	1
70716-001	Air Valve Switch	1
70739-001	Logic Element, Metal Work (or)	1
70739-004	Logic Element, Metal Work (yes)	1
80229-002	Chain, PT	1
13155-001	Ratchet Motor	1
13181-015C	Hose Assy., PT-110, D-Series	15 ft.
13305-001	Sprocket Bearing Assy., PT	1

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