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Power PTX

This powerful and economical single-hose pneumatic blasting system utilizes dry ice pellets at blast pressures from 50 to 125 psi (2.8 to 8.6 bar).



110 lb (63.5 kg) hopper

Variable dry ice pellet feed rate
of 1 to 6 lbs (0.5 to 2.7 kg)
per minute

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

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

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

Pneumatic 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.

Part #: 2E0362-G4



Low-Pressure Urethane Core Blast Hose

Part #: 2N0182 - 1" (2.5 cm) ID, 140 psi (8.3 bar), 20' (6.1 m) section with pneumatic trigger line

SPECIFICATIONS

Hopper capacity	110 lbs / 63.5 kg capacity
Variable feed rate	1 to 6 lbs / 0.5 to 2.7 kg per min
Blast pressure range	50 to 125 psi / 2.8 to 8.6 bar
Air pressure range	70 to 150 psi / 4.8 to 10.3 bar
Weight.....	140 lbs / 63.5 kg
Size (L x W x H).....	18.5" x 14" x 45.8"
	43 cm x 36 cm x 116 cm

Necessary compressed airflow volume depends on the nozzle being used - with most Cold Jet nozzles 50 to 180 cfm (1.4 to 5.1 m³/min) is required at a 120 psi (8.3 bar) operating pressure.

12-month warranty (extended warranty packages available)



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)

Low Flow Tight Access Nozzles

Full pressure plastic coated stainless steel nozzles with aluminum coupler. Most require 100 SCFM (2.8 m³/min) at 80 psi (5.5 bar) unless otherwise noted. All nozzles come standard with the Alpha Adapter Part #: 3E0729 (as shown).

45° Access*

Horizontal blast swath

Blast swath 0.75" (1.9 cm)
Axial length 7.7" (19.6 cm)
Minimum cavity opening 3.5" (8.9 cm)
Part #: 2E0324 (MS-045)



Blast swath 1" (2.5 cm)
Axial length 7.3" (18.5 cm)
Minimum cavity opening 5" (12.7 cm)
Part #: 2E0349 (MS-171)



Vertical blast swath

Blast swath 0.75" (1.9 cm)
Axial length 7.8" (19.8 cm)
Minimum cavity opening 3.5" (8.9 cm)
Part #: 2E0325 (MS-046)

*Recommended use with 3/4" (1.9 cm) Tube style handle. **Part #: 2E0275**

90° Access*

Horizontal blast swath

Blast swath 0.75" (1.9 cm)
Axial length 7" (17.8 cm)
Minimum cavity opening 5.3" (13.5 cm)
Part #: 2E0326 (MS-047)



Blast swath 1" (2.5 cm)
Axial length 16.6" (42.2 cm)
Minimum cavity opening 3.4" (8.6 cm)
Part #: 2E0327 (MS-136)

Vertical blast swath

Blast swath 1" (2.5 cm)
Axial length 7.3" (18.6 cm)
Minimum cavity opening 7" (17.8 cm)
Part #: 2E0329 (MS-071)



135° Access*

Vertical blast swath

Blast swath 0.75" (1.9 cm)
Axial length 7.3" (18.6 cm)
Minimum cavity opening 6.3" (16 cm)
Part #: 2E0328 (MS-050)



160° Access*

Blast swath is 0.25" (0.6 cm).
Requires 70 SCFM (1.96 m³/min) to operate at 80 psi (5.5 bar).
Blast shield is clear enabling user to see area cleaning.
Part #: 2E0361 ("J" Hook)



Low Straight Flow

Powerful cleaning capabilities with low air consumption, maximizing cleaning ability without jeopardizing other compressed air operations. Requires 50 SCFM (1.4 m³/min) at 80 psi (5.5 bar).

Blast swath 0.6" (1.3 cm)
Length 10" (25.4 cm)
Part #: 2E0341 (510 SLF)

Blast swath 0.7" (1.8 cm)
Length 23" (58.4 cm)
Part #: 5E0179 (523 SLF)

Recommended use with 1" (2.5 cm) Tube style handle. **Part #: 2E0209**



510 SLF 523 SLF

Ideal for cleaning deep cavity molds. The longer length 10" (25.4 cm) allows for more flexibility and smaller diameter (blast swath 0.25" (0.6 cm) allows the blast stream to escape the cavity being cleaned).

Part #: 5E0183 (TN 183)

Alpha adapter required for this nozzle.
Part #: 3E0729



Blast swath 0.5" (1.3 cm)
Length 14" (35.6 cm)
Part #: 2E0314 (TN 312)



Medium Flow Tight Access Nozzles

Full pressure nozzles with the maximum amount of aggression available for tight access.

45° Access



Blast swath 0.75" (1.9 cm)
Axial length 8.9" (22.6 cm)
Minimum cavity opening of 4" (10.16 cm)
Low pressure
Aluminum

Requires 120 SCFM (3.4 m³/min) at 80 psi (5.5 bar)
Part #: 5E0094 (307 BL)

80° Access



Blast swath 0.83" (2.1 cm)
Axial length 8.3" (21 cm)
Minimum cavity opening of 12.3" (31.2 cm)
Aluminum with stainless steel tubing

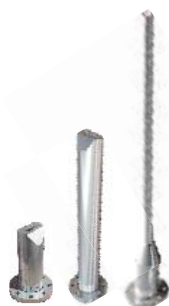
Requires 155 SCFM (4.4 m³/min) at 80 psi (5.5 bar)
Part #: 2E0321 (205 BL)

Shown with 1" (2.5 cm) OD Tube Style Handle
Part #: 2E0209

Medium Flow Straight Nozzles

Maximum performance for low-flow and low-pressure air systems. The longer the nozzle length, the more aggressive the blasting. The blast swath width determines the ice distribution onto the cleaning surface. Most require 100 SCFM (2.8 m³/min) at 80 psi (5.5 bar) unless noted.

Less than 1" Blast Swath



Blast swath 0.5" (1.3 cm)
Length 3" (7.6 cm)
Low pressure
Part #: 2E0331 (403 SL)

Blast swath 0.75" (1.9 cm)
Length 8" (20.3 cm)
Low pressure
Part #: 2E0323 (508 SL)

Suggested for use with 1" (2.5 cm) OD Tube Style Handle - Part #: 2E0209

Blast swath 3/8" (1 cm) OD
Length 14" (34.8 cm)
Full pressure
Aluminum
Part #: 5E0936

Suggested for use with 1" (2.5 cm) OD Tube Style Handle - Part #: 2E0209

Blast swath is 0.5" (1.3 cm)
Length: Customer Specified - up to 10" (25.4 cm)
Full pressure

Requires 150 SCFM (4.3 m³/min) at 80 psi (5.5 bar)
Part #: 2E0302-Length (TN-302)

1" Blast Swath

Length 2" (5.1 cm)
Low pressure
Part #: 5E0160 (402 SL)

Length 12" (30.5 cm)
Low pressure
Part #: 5E0156 (412 SL)
Recommended for use with 1 3/16" (3 cm) OD Tube Style Handle Part #: 2E0289

Length 23" (58.4 cm)
Full pressure
Part #: 5E0175 (523 SL)
Recommended for use with 1" (2.5 cm) OD Tube Style Handle Part #: 2E0209

2" Blast Swath

Requires 150 SCFM (4.3 m³/min) at 80 psi (5.5 bar)

Blast swath 1.8" (4.6 cm)
Length 12" (30.1 cm) long
Low pressure
Part #: 5E0159 (413 SL)

Recommended for use with 1 3/16" (3 cm) OD Tube Style Handle - Part #: 2E0289

Length 23" (58.4 cm)
Full pressure
Part #: 5E0176 (523 SF.2)

Length 7" (17.8 cm)
Low pressure
Part #: 5E0141 (807 SL)

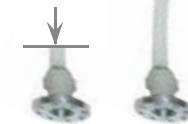
3" Blast Swath

Length 23" (58.4 cm)
Low pressure
Requires 165 SCFM (4.7 m³/min) at 80 psi (5.5 bar)

Part #: 5E0190 (223 SL)
Recommended for use with Clamp Style Handle - Part #: 2E0287



Length is Customer Specified - up to 10"



Will not harm delicate tooling.

High Flow Performance Nozzles

High aggression cleaning capabilities with high air consumption.
Straight nozzles require 150 SCFM (4.3 m³/min) at 80 psi (5.5 bar)
while other nozzles may require up to 215 SCFM (6.1 m³/min).



Less than 1" Blast Swath

7/16" (1.11 cm) blast swath
Length 14" (34.8 cm)
Full pressure
Aluminum
Part #: 5E0936
Recommended for use with 1 3/16" (3 cm) OD Tube
Style Handle Part #: 2E0289



2" Blast Swath

Length 23" (58.4 cm)
Full pressure
Aluminum
Part #: 5E0174 (523 HF.2)
Recommended for use with 1 3/16" (3 cm) OD Tube
Style Handle Part #: 2E0289



1" Blast Swath

Length 23" (58.4 cm)
Full pressure
Lightweight blast composite
Part #: 5E0167 (523 Stealth)
Recommended for use with 1 3/16" (3 cm) OD
Tube Style Handle Part #: 2E0289



Length 23" (58.4 cm)
Full pressure
Aluminum
Part #: 5E0138 (523 HF)
Recommended for use with 1 3/16" (3 cm) OD
Tube Style Handle Part #: 2E0289

Length 33" (83.8 cm)
Full pressure
Aluminum
Part #: 5E0161 (533 SF)
Recommended for use with 1" (2.5 cm)
OD Tube Style Handle Part #: 2E0209

Deep Cavity - side walls

0.701" (1.78 cm) OD
Length 9" (22.9 cm)
3 "Jet" blast openings for full circumferential blast jet
Requires 175 SCRM (5 m³/min) at 80 psi (5.5 bar)
Part #: 5E0182 (TN-182)



Alpha coupler required for this nozzle
(shown)
(P/N #: 3E0729)



Thrust Balanced - 90° Deep Cleaning

Blast swath 0.5" (1.3 cm)
Minimum cavity opening 5" (12.7 cm)
Aluminum with Teflon bumper pads
Battery operated lights
Low pressure
Requires 215 SCFM (6.1 m³/min) at 80 psi (5.5 bar)
Nozzle includes 10" (25.4 cm) extension tube (not shown)
Part #: 2E0249 (902 BL)
Recommended for use with 1")2/5 cm) OD Tube Style
Handle - Part #: 2E0209

Nozzle Extension Tubes

Extension tubes are used to extend and/or turn nozzles. Minimum pressure loss. Connect directly to nozzle and applicator with proper fittings.

Straight Extension Tube



- 1" (2.5 cm) OD
- Flanged end fittings
- Available in 2" (5.1 cm), 10" (25.4 cm), 20" (50.8 cm), and 30" (76.2 cm)
- Part #: 2E0312 - Length**
2E0226 - Length (includes coupler)

- 3/4" (1.9 cm) OD
- Internal threaded end fittings for Low flow tight access nozzles
- Available in 10" (25.4 cm), 15" (38.1 cm), 20" (50.8 cm), and 30" (76.2 cm)
- Part #: 3E0715 - Length**



3/4" (1.9 cm) JICM Fitting recommended for the threaded end extension tube in order to connect to low flow tight access nozzles (P/N #: 12HTX-S)

Bent Extension Tube

- 1" (2.5 cm) OD
- Flanged end fittings
- 80° turning angle
- Part #: 2E0227**
2E0259 - 11" (28 cm) extension after bend



Nozzle Accessories

JICF Quick Change Module



- Used on the Tight Access Applicator
- 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)**

Alpha Series Adapter



- 1/2" (1.3 cm) to 1" (2.5 cm)
- Allows the 1" (2.54 cm) OD nozzle extension tube to be used with Applicators
- Aluminum
- Part #: 2E0295**

JICM Rotary Union



- Allows full rotation when a nozzle is attached to a blast hose, extension tube, or appropriate nozzle extension
- 3/4" (1.9 cm) JICF to 3/4" (1.9 cm) JICM
- Lightweight
- Hard-coat anodized Aluminum
- Part #: 2N0163 - 3/4" (1.9 cm)**

JIC Modular End Fittings



- Allows for custom configurations connecting hose to nozzle base (Part #: 2E0233).
- Part #: 2N0060 - 1" (2.5 cm)**
2N0064 - 3/4" (1.9 cm)

Nozzle Base



- Provides extension for nozzles in a 180° (82.26° C) orientation beyond the exit of the blast applicator.
- Part #: 2E0233**

Alpha Series Coupler



- 3/4" (1.9 cm)
- Permits all low flow tight access nozzles to be used with Quick Change Module (QCM)
- Aluminum
- Part #: 3E0729**

Deflector Plates

- Fits over blast end of nozzle to break up pellets
- Aluminum
- Part #: 2E0367 - 1" (2.5 cm) to fit 523 SF and 412 SL**
2E0352 - 2" (5.1 cm) to fit 807 SL
2E0386 - 3" (7.6 cm) to fit 223 SL



Nozzle Accessories



ClampStyle(usedwith223SL)
Part #: 2E0287

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

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

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



Spare Parts

Part #	Description	Qty.
70233-011	Control line filter	2
70351-002	Filter, Inline, 1/8" NPT	2
70741-006	Element, Filter/Regulator	2
70234-019	Regulator, Pilot (blast air)	1
70333-010	Restrictor	1
70333-007	Restrictor	1
70333-014	Restrictor	1
70335-005	Repair Kit, Poppet Valve (for -003, -004)	1
70335-006	Repair Kit, Poppet Valve (for -002, -010)	1
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.
12411-002	Trigger Valve	1
13382-002	Regulator (Ice Rate)	1
70636-002	Motor, PTX Airlock	1
70683-001	Selector Valve, 3-Position Handle	1
70683-004	Selector Valve, Arm	1
70683-005	Selector Valve, Disarm	1
70716-001	Air Valve Switch	1
70385-008	Barb, Brass (for Air 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
13305-001	Sprocket Bearing Assy., PT	1
14050-004	Rotor, Airlock	1
13791-006	Pad Assy., Airlock	2