

High Speed Wide Path Stripping

FanBlast nozzles reduce media consumption, cut production time in half plus eliminate overblasting and “hot spots” common with conventional nozzles.

What’s more, FanBlast’s even particle distribution offers a superior process for selective stripping.

The 1/2 inch (12.7 mm) equivalent FanBlast FBN-8 Nozzle has a 2.2 inch (5.6 cm) wide coating removal path that distributes media particles evenly across a rectangular area.

The 3/8 inch (9.5 mm) equivalent has a 1.6 inch (4.1 cm) wide coating removal path.

In addition to hand blasting, FanBlast combined with the new VCC-2000 VISUAL Closed Cycle Blast Head allows an Operator to clearly see and control the coating removal process within an illuminated viewing chamber.

State of the art technologies make Pauli Systems FanBlast nozzles an industry breakthrough in high speed surface stripping.

FanBlast flat nozzles provide a wide uniform blast pattern enabling faster, more efficient surface stripping.

What’s more, FanBlast doubles the production rate on coatings such as tenacious epoxy primer and polyurethane top coats. You require less compressed air, less time and labor, and use less media.

With round nozzles some areas are blasted more than others due to a higher volume of media in the blast stream center. The center of a round nozzle blast area receives more blasting action and the edges receive less, causing overblasting in some area and underblasting in others.

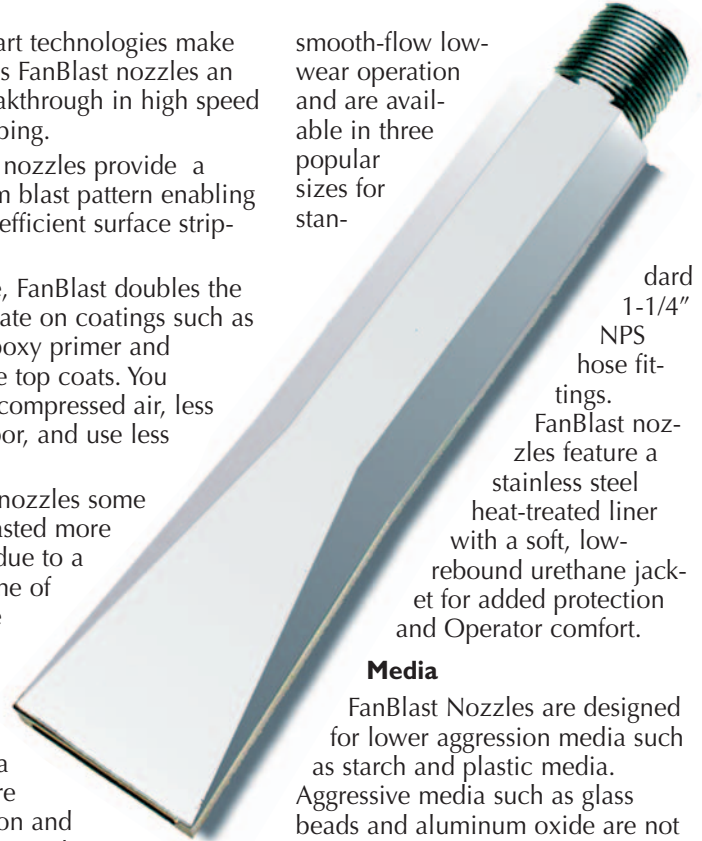
(See Illustration 2, page 2)

Ergonomic Nozzle

The ergonomically designed nozzle enables easy manual control unlike previous industry units designed as prototypes or for robotic manipulation.

These high production nozzles are carefully manufactured for perfect,

smooth-flow low-wear operation and are available in three popular sizes for stan-



standard
1-1/4”
NPS
hose fittings.

FanBlast nozzles feature a stainless steel heat-treated liner with a soft, low-rebound urethane jacket for added protection and Operator comfort.

Media

FanBlast Nozzles are designed for lower aggression media such as starch and plastic media. Aggressive media such as glass beads and aluminum oxide are not recommended.

Applications

FanBlast can replace outdated round nozzles in most applications using low aggression media. Cabinets and blast rooms benefit using this high speed nozzle. In addition to selective and complete coatings removal, FanBlast can be used for deburring, deflashing, peening, etching and cleaning.

Illustration 1.
Note the 1/2” (12.7 mm) equivalent FanBlast Nozzle with its wide pattern next to a conventional double venturi nozzle pattern. The FanBlast nozzle pattern width is 2.2” (5.6 cm) versus 5/8” (1.6 cm) average for the double venturi nozzle.



FanBlast

Operator Training

FanBlast operation is similar to a conventional blast nozzle. The difference is a round nozzle is held and moved in any direction while the FanBlast is held and moved to produce the wide blast pattern. With minimal practice, operators familiar with typical blast nozzle operation easily adapt to FanBlast. Facilities can use the same media flow rates and air pressures.

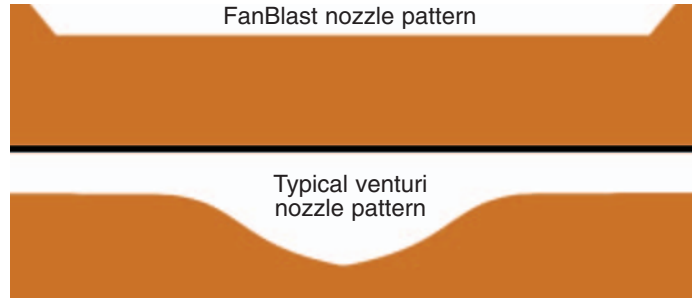


Illustration 2. FanBlast evenly distributes media particles over the full width. A typical conventional double venturi nozzle (bottom) overblasts the center and underblasts the edges. Pattern widths at normal 3" to 6" (7.6 cm to 15.2 cm) standoff distance used in dry media stripping.

FanBlast Excels at Selective Stripping

FanBlast with its even particle distribution brings selective stripping to a new level of ease.

That means Operators can effectively remove top coats while leaving under coats intact as shown in Illustration 3.

Typical conventional nozzles overblast the center and underblast edges making the process inferior for selective stripping.

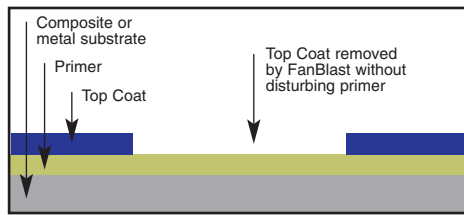


Illustration 3. Selective stripping.

As shows in Illustration 2, the 1/2 inch (12.7 mm) equivalent FanBlast nozzle pattern etched into foam (top) illustrates evenly distributed media particles over the full 2.2" (5.6 cm) width. A typical conventional double venturi nozzle (bottom) overblasts the center and underblasts the edges of a 5/8" (1.6 cm) path.

FanBlast is the superior process for selective stripping.



Cabinet FanBlast Nozzle

Designed to maximize operations in blast cabinets, the FBN-6C cuts production time in half and reduces media consumption.

The Cabinet FanBlast's small size gives operations the same wide path stripping benefits of the larger nozzles and provides a perfect grip for cabinet operations.

SPECIFICATIONS

	FBN-6	FBN-6C	FBN-8
Stock Number	427-205-06	427-205-66	427-205-08
Weight	1.4 lb (.64 kg)	0.8 lb (.36 kg)	1.9 lb (.86 kg)
Length	9" (23 cm)	6" (15 cm)	12" (30 cm)
Blast Pattern Width	1.6" (4.1 cm)	1.3" (3.3 cm)	2.2" (5.6 cm)
Equivalent Size	3/8" (9.5 mm) round	3/8" (9.5 mm) round	1/2" (12.7 mm) round
Usable Blast Media	Designed for lower aggression media such as starch and plastic media.		
Thread	1-1/4" NPS	1-1/4" NPS	1-1/4" NPS
Jacket	Urethane	Urethane	Urethane
Liner	Stainless steel heat treated to Rockwell Rc 44-47		

NOZZLE AIR CONSUMPTION TABLE

Discharge in cubic feet and (cubic meters) of free air per minute

PSI (atmos)	3/8" (FBN-6)	3/8" (FBN-6C)	1/2" (FBN-8)
60 (4.1)	122 (3.5)	122 (3.5)	217 (6.1)
50 (3.4)	106 (3.0)	106 (3.0)	188 (5.3)
40 (2.7)	90 (2.5)	90 (2.5)	159 (4.5)
30 (2.0)	74 (2.1)	74 (2.1)	130 (3.7)
20 (1.4)	58 (1.6)	58 (1.6)	101 (2.9)

*media and air consumption is the same as conventional nozzles

WARNING: NEVER USE WITH SAND ABRASIVE

ALL ABRASIVE BLASTING CREATES BREATHABLE PARTICLES OF DUST WHICH MAY INCLUDE SILICA AND WHICH MAY LEAD TO VARIOUS DISEASES INCLUDING SILICOSIS, A LUNG DISEASE THAT CAN BE FATAL. ABRASIVE REBOUND OR DIRECT BLAST MAY ALSO INJURE AN UNPROTECTED OPERATOR. THEREFORE, SAFETY REQUIRES THAT THOSE PERSONS IN THE AREA OF ABRASIVE BLASTING ALWAYS WEAR PROPERLY SELECTED AND MAINTAINED GOVERNMENT APPROVED RESPIRATORY EQUIPMENT AND FULL PROTECTIVE CLOTHING, FROM HEAD TO FOOT. RESPIRATORS MUST BE SUPPLIED WITH GOVERNMENT APPROVED QUALITY BREATHING AIR. BEFORE USING THIS EQUIPMENT GET APPROVAL FROM YOUR SAFETY DEPARTMENT.