Precise, Economical, Internal Pipe Cleaning

Pipe Tools
Fast, Efficient, Internal Pipe Coating
Clemco tools make pipe cleaning easier
Suitable for pipe ID sizes from 3/4-inch to 120 inches
Easy to set up
All use standard pressure blast machine
No need to rotate pipe or tubing
Fast, economical, efficient pipe cleaning

Cleaning and Preventing Corrosion with Proper Surface Preparation
Clemco pipe tools help you get the job done faster, enhancing productivity and saving you money. Clemco tools are engineered for a wide range of pipe diameters and most common blast abrasives. Each tool handles a specified pipe diameter range with the use of centering devices.

Easy Set Up and Use
These pneumatic tools use compressed air, common abrasives, and standard blast machines, coupled blast hose attached to a customer-provided pipe lance normally in a length that matches the pipe to be cleaned. The tool is placed at the far end of the pipe and drawn manually through the pipe at a speed determined to clean the pipe to the desired degree of cleanliness.

Clemco Hollo-Blast Jr. and Hollo-Blast

Hollo-Blast Jr. comes with a 9/32-inch tungsten carbide nozzle, which consumes 80 cfm at 100 psi. Four sets of centering collars accommodate pipes from 1-inch to 2-inch ID. Without using any collar, the tool fits pipe 3/4-inch ID.

Hollo-Blast comes standard with a 1/2-inch short venturi nozzle and tungsten-carbide deflection tip to spray accelerated abrasive in a 360-degree pattern. With 1/2-inch nozzle, the tool uses 200 cfm at 100 psi. Options include a larger, 5/8-inch nozzle (consuming 350 cfm at 100 psi) and deflection tips in longer-wearing materials: boron carbide or composite material for aggressive-media applications. Adjustable centering devices are used to fit the tool to the pipe diameter size.
Clemco Spin-Blast — for pipes 8-inch to 60-inch ID

The Spin-Blast cleans pipe at rates unobtainable by any other means. The Spin-Blast comes in two model sizes: SB-836 for pipes 8-inch ID to 36-inch ID, with the standard nozzle head; and SB-3660 for pipes from 36-inch to 60-inch ID with a nozzle head capable of holding two nozzles.

In operation, two standard nozzles installed on the head cause the head to rotate and propel abrasive to the pipe surface for incomparable hitting force. SB-3660 uses long venturi nozzles for effective blasting of larger ID pipe.

Adjustable carriages are used to fit the tools to the pipe diameter size. These Spin-Blast models are productivity tools, best used in a controlled environment, where they can be maintained as needed for the production schedule.
For Large Diameter Pipe

Two models for large diameter pipe serve the needs of rugged, high-production operations. Engineered to be truly heavy-duty for real world conditions, they have few moving parts, which translates to more optimum maintenance-friendliness.

Pipe Pro XL™

For 16-inch to 60-inch diameter pipe, the Pipe-Pro XL™ is a pneumatically-operated tool for cleaning pipe interior surfaces. It attaches to the blast hose in place of a standard nozzle. The Pipe-Pro XL™ features an air motor, which controls the rotation of blast head, where two identical nozzles mount. The 360-degree rotation of the blast head provides complete cleaning without rotating the pipe. Variable-speed head rotation means precise RPM adjustment so that the degree of cleaning the pipe surface condition calls for can quickly and easily be achieved. The adjustable carriage with urethane wheels centers the tool within the pipe and provides smooth movement throughout its length. The tool uses two standard short- or long-venturi nozzles, which must be ordered separately, because nozzle choice depends upon the diameter of the pipe and the available compressed air supply.

Spin-Blast HD-E

The Spin-Blast HD-E

The Spin-Blast HD electric model is for 18-inch to 120-inch pipe diameters. The motor is controlled by a simple-to-operate control box with an on-off switch and a knob to control the RPMs of the DC motor, which controls the blast head speed. By manually controlling the blast head speed, the operator can vary the dwell time for more efficient blast cleaning. The HD-E does not require AC electric power; and does not consume expensive compressed air beyond the needs of the nozzles, the motor is capable of producing 4.5 inch pounds at 25 RPM; and has 100:1 gear ratio providing the necessary torque for large, high-production blast nozzles for large diameter pipe.
Internal Pipe Blasting Tools

**TOOL ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Tool</th>
<th>Pipe ID</th>
<th>Nozzle Orifice</th>
<th>No. of Nozzles</th>
<th>Air Consumption@100 psi</th>
<th>Nozzle Stock No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hollo-Blast Jr. (3/4” to 2” pipe ID)</strong></td>
<td>3/4” - 2”</td>
<td>9/32”</td>
<td>1</td>
<td>80</td>
<td>140</td>
</tr>
<tr>
<td><strong>Hollo-Blast (2” to 12” pipe ID)</strong></td>
<td>2” - 12”</td>
<td>1/2” (standard)</td>
<td>1</td>
<td>200</td>
<td>260</td>
</tr>
<tr>
<td></td>
<td>5/8” (standard)</td>
<td></td>
<td>1</td>
<td>350</td>
<td>550</td>
</tr>
<tr>
<td><strong>Hollo-Blast Centering Carriages</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hollo-Blast Centering collar set (3” to 5”)</td>
<td>.01124</td>
<td></td>
<td>1</td>
<td>550</td>
<td></td>
</tr>
<tr>
<td>Hollo-Blast Centering carriage (5” to 12”)</td>
<td>.01131</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Spin-Blast SB-836 for (8” to 36” pipe ID)**
Spin-Blast tool less carriage,
with 1/4” x 1-3/4” nozzles (2) ........................................... .02601
Spin-Blast carriage (8” to 17”) ........................................... .03641
Spin-Blast carriage (12” to 36”) ........................................... .04971
Spare parts kit ............................................................. .02603

**Spin-Blast SB-3660 for (36” to 60” pipe ID)**
Spin-Blast tool less carriage & nozzles ......................... .10547
(Order nozzles and carriage separately)
Spin-Blast carriage ..................................................... .10560
Spare parts kit ............................................................. .10894

**NOZZLE AIR CONSUMPTION & ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Tool</th>
<th>Pipe ID</th>
<th>Nozzle Orifice</th>
<th>No. of Nozzles</th>
<th>Air Consumption@100 psi</th>
<th>Nozzle Stock No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Spin-Blast SB-836</strong></td>
<td>8” - 12”</td>
<td>1/4” x 1-3/4” (std)</td>
<td>2</td>
<td>160</td>
<td>280</td>
</tr>
<tr>
<td></td>
<td>8” - 12”</td>
<td>5/16” x 1-3/4”</td>
<td>2</td>
<td>280</td>
<td>400</td>
</tr>
<tr>
<td></td>
<td>8” - 12”</td>
<td>3/8” x 1-3/4”</td>
<td>2</td>
<td>400</td>
<td>630</td>
</tr>
<tr>
<td></td>
<td>12” - 20”</td>
<td>5/16” x 3”</td>
<td>2</td>
<td>280</td>
<td>400</td>
</tr>
<tr>
<td></td>
<td>20” - 36”</td>
<td>3/8” x 4”</td>
<td>2</td>
<td>400</td>
<td>630</td>
</tr>
<tr>
<td><strong>Spin-Blast SB-3660</strong></td>
<td>36” - 60”</td>
<td>1/4” long venturi</td>
<td>2</td>
<td>160</td>
<td>280</td>
</tr>
<tr>
<td></td>
<td>5/16” long venturi</td>
<td></td>
<td>2</td>
<td>280</td>
<td>400</td>
</tr>
<tr>
<td></td>
<td>3/8” long venturi</td>
<td></td>
<td>2</td>
<td>400</td>
<td>630</td>
</tr>
</tbody>
</table>

**Pipe Pro XL™ (16” to 60” pipe ID)** (pneumatic-motor driven)
PipePro XL™ (16” to 31”) tool (less nozzles) .................. .27792
PipePro XL™ (16” to 60”) tool (less nozzles) .................. .28046
PipePro XL™ (32” to 60”) conversion kit ...................... .28047
Leg Extension Kits (set of six) ...................................
6” ........................................................................... .27793
12” ........................................................................... .27794
26” ........................................................................... .27795
Nozzle extensions (set of two)...................................
6” ........................................................................... .25118
12” ........................................................................... .24647

**Spin-Blast HD-E (18” to 120” pipe ID)** (electric-motor driven)
Spin-Blast HD-E tool (less nozzles) with carriage .......... .24640
Spin-Blast HD-E tool (less nozzles) w/o carriage .......... .24641
Nozzle extensions (set of two) ...................................
6” ........................................................................... .25118
12” ........................................................................... .24647
24” ........................................................................... .24648
Spare parts kit ......................................................... .24649

**Note:** Air volume required to operate Spin-Blast models is greater than air normally consumed by the two nozzles; the additional air volume is needed for blast head rotation. Maintaining recommended air volume ensures proper function and maximum productivity.

**For help selecting the correct nozzles and accessories for your application, please consult the owners manual for each tool. Owners manuals can be found on our website at www.clemcoindustries.com.**
The Clemco Orbiter

- **Efficiently handles wide range of coatings**
- **Applies uniform layer at remarkable speed**
- **No need to rotate the pipe or tubing**
- **Unique gun assembly ensures precise control**
- **Air-controlled centering carriage legs easily adjust for gradual pipe bends**

**Simple Solution for Industrial Coating Challenges**

The Clemco Orbiter provides an innovative and efficient solution to the difficult job of applying paint to the inside of pipe, conduit, tubing or other cylindrical structures. With the Orbiter, you can apply a uniform layer of paint at remarkable speed.

Two standard models cover pipe diameters from 3.5 inches through 37 inches. Orbiter I is for pipes 3.5 to 7 inches ID. Orbiter III is for pipes 7 inches through 37 inches ID. Each system includes a paint spray tool with centering legs, an air control assembly, a paint spray gun, and air-control and high-pressure paint hoses. Not included but required for operation of the Clemco Orbiter is an airless paint spray pump. Any standard 30:1 pump is the minimum requirement, while a 45:1 pump may be preferred as dictated by the coating.

The heart of the Orbiter system is the air-control assembly. From this central location, the operator controls start/stop of the rotating-head air motor, the on/off of paint flow, and the air valve and pressure regulator, which control the expansion and contraction of the centering carriage legs.
Precise components ease assembly.

Easy Set Up and Operation

Used with any standard airless paint spray pump with a minimum pump pressure ratio of 30:1; the Orbiter set up is quick and easy (the pump size will depend upon paint viscosity, hose length, and tip size). The Orbiter is powered by compressed air, which operates the rotating head and the carriage legs. Orbiter I and Orbiter III require approximately 15 cfm and 22 cfm respectively, both at 90 psi.

Various sizes of long-lasting tungsten carbide spray tips are available to suit the specified coating. Paint flows through the spray tip and paint tubing for metering at the head, the working end of the Orbiter. To operate the Orbiter, one operator handles the air-control assembly and paint gun; another manually pulls the tool from one end of the pipe to the other at a speed established by experience and the type of coating being applied and the thickness required.

A Simple, Fast, and Cost-Effective Job

The Orbiter tools offer an effective and precise method of coating pipe. The investment will reward you with the highest rate of speed and most accurately-applied coating, saving you time and money.

The Orbiter I and III tools are each available in four packages to suit jobs with differing lengths of pipe. Choose from models with 6 feet, 12 feet, 20 feet, or 40 feet of hose. Six sizes of spray tip are available, ranging from .018 to .043 to suit the specified coating.

The Clemco Orbiter is engineered to provide high performance with a wide variety of industrial coatings, offering value over the course of a long service life.

The air control assembly gives the operator all functional controls in one convenient location.

Spinning discs, moving at 10,000 rpm, propel paint for an even, uniform application by the Orbiter III shown.

Air-motor controlled adjustable carriage legs quickly center the paint head within the pipe.
Internal Pipe Coating Tools

SPECIFICATIONS

**Orbiter I:**
- For pipe ID: 3.5” to 7” (90mm to 150mm)
- Air consumption: 15 CFM (400 litres/min)
- Operating speed under load: 20,000 RPM
- Air motor rated at 25,000 RPM
- Standard spray tip: .026

**Orbiter III:**
- For pipe ID: 7” to 37” (180mm to 950 mm)
- Air consumption: 22 CFM (600 litres/min)
- Operating speed under load: 10,000 RPM
- Air motor rated at 15,000 RPM
- Standard spray tip: .036

**SPECIFICATIONS COMMON TO BOTH TOOLS**
- Air pressure: maximum 90 psig (5 to 6 bar)
- Airless pump* 30:1 ratio (min) 45:1 ratio
- Pump capacity 1.0 U.S. GPM (min) 2.5 U.S. GPM
- Maximum paint pressure 4500 psig (310 bar)
- Paint hose rated at 4600 psig (317 bar) working pressure
- 18,400 psig (1,240 bar) burst pressure

* The pump pressure ratio will depend upon the viscosity of the coating, the hose length, and the spray tip size.

**ORDERING INFORMATION**

All complete Orbiter Systems include:
- Paint spray tool with centering legs, Air-control assembly, Paint spray gun, Air-control hose and High-pressure paint hose.

**Systems without hose and gun:**
- **Orbiter I:**
  - 3.5” to 7” ID less hoses and gun ........................................... 93063
- **Orbiter III:**
  - 7” to 37” ID less hoses and gun ........................................... 93133

**Systems with hoses and gun:**
- **For use with up to 6 ft. long pipe.**
  - Includes 10 ft. air control hose and 11 ft. paint hose.
    - **Orbiter I:**
      - 3.5” to 7” (90mm to 180mm) ID ................................. 90901
    - **Orbiter III:**
      - 7” to 37” (180mm to 950mm) ID ................................. 90902

- **For use up to 12 ft. long pipe.**
  - Includes 16 ft. air control hose and 18 ft. paint hose.
    - **Orbiter I:**
      - 3.5” to 7” (90mm to 180mm) ID ................................. 93327
    - **Orbiter III:**
      - 7” to 37” (180mm to 950mm) ID ................................. 93328

- **For use up to 28 ft. long pipe.**
  - Includes 32 ft. air control hose and 34 ft. paint hose.
    - **Orbiter I:**
      - 3.5” to 7” (90mm to 180mm) ID ................................. 93329
    - **Orbiter III:**
      - 7” to 37” (180mm to 950mm) ID ................................. 93330

- **For use up to 44 ft. long pipe.**
  - Includes 16 ft. and 32 ft. air control hose, coupled, and 18 ft. and 34 ft. paint hose, coupled.
    - **Orbiter I:**
      - 3.5” to 7” (90mm to 180mm) ID ................................. 93331
    - **Orbiter III:**
      - 7” to 37” (180mm to 950mm) ID ................................. 93332

**Orbiter guns:**
- OBG paint spray gun ............................................................. 93130
- OBG air control assembly .................................................... 93131

**Air-Control Hoses:**
- Hoses may be coupled to obtain various overall lengths
  - 10 ft. (3m) ................................................................. 90925
  - 16 ft. (5m) ................................................................. 90926
  - 32 ft. (10m) ............................................................... 90927

**High-Pressure Paint Hoses:**
- Hoses may be coupled to obtain various overall lengths
  - 11 ft. (3.5m) ............................................................... 93054
  - 18 ft. (5.5m) ............................................................. 93056
  - 34 ft. (10.5m) ............................................................ 93057
- Paint hose union .............................................................. 93333

**Spray Tips:**
- .018 ................................................................. 93250
- .021 ................................................................. 93251
- .026 (standard on Orbiter I) ........................................... 93078
- .031 ................................................................. 93252
- .036 (standard on Orbiter III) ........................................ 93253
- .043 ................................................................. 93254

Authorized Distributor:

ISO 9001:2008 certified. Clemco is committed to continuous product improvement. Specifications are subject to change without notice.

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