

Internal Pipe Painting

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*



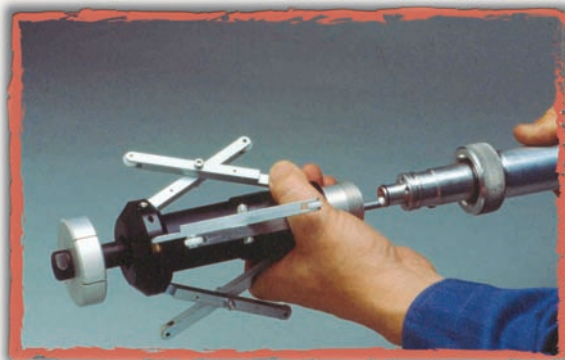
Two models cover pipe IDs from 3.5 inches through 37 inches. Each unit comes in a sturdy, stackable storage box.

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.



Orbiter I coats 3.5-inch through 7-inch pipes.



Orbiter III suits pipes from 7 inches to 37 inches.



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.

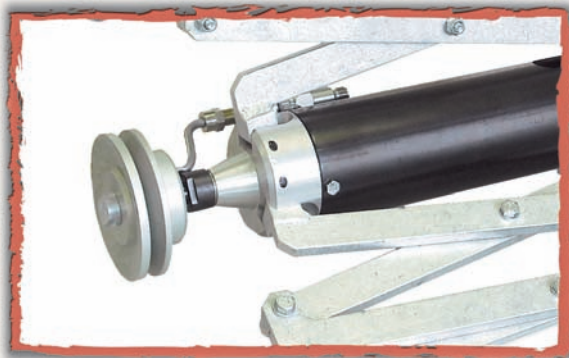


The air control assembly gives the operator all functional controls in one convenient location.

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.



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.

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.

Internal Pipe Painting 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
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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

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

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

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 gun93063
Orbiter III:
7" to 37" ID less hoses and gun93133

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) ID90901
Orbiter III:
7" to 37" (180mm to 950mm) ID90902

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) ID93327
Orbiter III:
7" to 37" (180mm to 950mm) ID93328

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) ID93329
Orbiter III:
7" to 37" (180mm to 950mm) ID93330

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) ID93331
Orbiter III:
7" to 37" (180mm to 950mm) ID93332

Orbiter guns:

OBG paint spray gun93130
OBG air control assembly93131

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 union93333

Spray Tips:

.01893250
.02193251
.026 (standard on Orbiter I)93078
.03193252
.036 (standard on Orbiter III)93253
.04393254

Authorized Distributor:

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

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Stock No. 25730

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Job No. 2372-0411