

# E-SERIES

┌ The “E-Series” powder coating package: Efficiency-cum-simplicity



Powder supplied from hopper, or a vibrating table lifting the powder from the box



The E-Series package lets you coat your parts efficiently, though easily: It's the handy and reliable equipment of note.

#### :: Handgun:

Simple to use. Its handling is so easy: the operator gets the hang of it in no time, and will not want to let go of it.

Superb penetrating capability, particularly in those difficult corners. Exceptional first pass efficiency, thanks to its optimized electrostatic charge.

The operator won't get tired of it: ergonomic design, very convivial and lightweight (495 gr / 1.1 lb)

Cleaning and maintenance are fast and easy: the cables and powder hose connectors at the base of the grip, are of the quick-disconnect type.

#### :: Powder pump:

Savings and reliability: the new and simpler venturi pump, made of fewer parts, is particularly wear resistant.

Time saving: easy and fast to clean. Release the clipped venturi pump, pull out the pick-up tube, blow clean.

Can feed 2 guns: the manifold is designed to handle 2 pumps, which permits to supply powder to 2 guns from one box.

Also protects the equipment from abuse: the bracket carrying the pumps moves and stays up, the pump moves up underneath it: this permits to change the powder boxes around

without interference during color change.

#### :: Controller:

E-Series is outfitted with the Total Energy Control system (TEC): which automatically limits the current in function of the target distance, continuously providing the best electrostatic efficiency regardless of external circumstances.

E-series comes with 2 pre-arranged settings, TEC 1 and TEC 2, easily commutable by pushing the control switch.

This gives you 2 choices:

#### :: TEC 1

- adjusts Voltage to 85kV, and current to 50MicroAmps.
- is recommended for most applications, as well as for most available powders on the market.
- Provides an excellent electrostatic efficiency
- Gets you a beautiful finish, even when applying thick coats.
- Allows perfect re-coating

#### :: TEC 2

- Adjusts max current to 100 MicroAmps,
  - Is proposed for the spraying of difficult powders, particularly metallics.
  - Is used for penetration into hollow recesses
  - Also generates exceptional wrap
- The current and voltage indicators are easy-to-read bar-graphs displayed on the front face of the controller.



Gun Control Unit

The values are legible at a glance. E-Series provides a dual-gun/controller version for double gun operations.

**:: Cart:**

Improved handling, reduced size with 4 casters, helps moving the equipment as required.

- Fluidized bed version: holds 25 kg of powder (one box), generally sitting on the chassis. The duct and fluidizing support easily come off for cleaning.

- Vibrating table version: The vibrator prevents powder packing issues. Activated only when pressing the gun's trigger.

Emptying the box of powder: the box is tilted to an angle, so the pick-up tube reaches the very bottom, and sucks up all the material. May accept all kinds of box sizes up to 30 kg.

Meets rules and regulations in force in Europe and the USA.

## TECHNICAL CHARACTERISTICS

### Electrical

Input Voltage:  
100-260 V, 50-60Hz, single phase  
Consumption (max) (45 VA)

Input Current:  
400 mA at 115 V, 200 mA at 230 V

HV output:  
10 to 85 kV, negative

Current output:  
TEC 1: 0 to 50 MicroAmp  
TEC 2: 0 to 100 MicroAmp

### Pneumatics

Powder throughput (max): 24 kg/h

Air pressure supply: 7 bar/105 PSI

Air specifications:  
• de-oiled to 0.1 ppm  
• dehydrated to 1.3 g/Nm<sup>3</sup>

Consumption:  
Vibrating table : 15 m<sup>3</sup>/h  
Hopper : 10 m<sup>3</sup>/h

Inlet fittings:  
Manual gun: 1/4 BSPMP

### Weight and dimensions

Packed package:  
• Table: 40 kg/89 lbs  
• Hopper: 42.5 kg/94 lbs

Dimensions, (packed):  
72cm x 51cm x 106cm (28" x 20" x 42")

Volume (packed):  
0.389 m<sup>3</sup> (102 gal)

Gun weight, w/o cables nor hoses:  
495 gr (1.1 lb)



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