

Manual Powder Coating Systems 2007



User-friendly and powerful



USER-FRIENDLY

POWERFUL

UNIVERSAL

WAGNER

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Whether Tribo or Corona - The right accessories for every coating task

Multi-functional nozzle system



Nozzles for PEM-C3

- Deflector cone
- Slotted fan spray nozzle



Nozzles for PEM-T3

- Deflector cone
- Wide fan spray nozzle
- Slotted fan spray nozzle

The accessory range is optimally matched to the relevant coating system.

- Can be converted without using tools
- Deflector cones for all standard applications
- Fan spray nozzles for coating angular and sharp edged work-pieces
- Nozzle extensions for very deep work-pieces

for PEM-C3
300 mm



Nozzle extension for PEM-C3 and PEM-T3

Best suited for particularly deep work-pieces such as factory cupboards, radiators, drawers.

for PEM-T3
300 mm



Injector PI-P1

The PI-P1 injector is used in all manual powder coating units. It delivers the powder smoothly and continuously to the powder gun and is marked by its low air requirement.



Technical data

Powder manual guns	PEM-T3	PEM-C3	PEM-CG3
Weight in g	590 g	498 g	885 g
Length	500 mm	355 mm	400
Air inlet pressure	max. 6 bar	max. 3 bar	max. 5 bar
Output voltage	-	max. 100 kV DC	max. 100 kV DC
Polarity	positive	negative	negative
Enclosure class	IP 54	IP 54	IP 54
Powder output	300 g/ min(max.)	342 g/ min(max.)	450 g/min(max)
Design	to EN 50050	to EN 50050	to EN 50050

Control units	EPG 2007	EPG 2020 CG
Size W x T x H	270 x 136 x 370	238 x 138 x 300
Weight	6.400 g	11.000 g
Mains (AC)	85 to 264 V	100 / 120 / 230 V, adjustable
Air inlet pressure	6 - 8 bar	6 - 8 bar
Air outlet pressure	o...6 bar	o...6 bar
Enclosure class	IP 64	IP 54
Radio suppression	FN	FN
Design	EN 50 050	EN 50 050

Manual equipments	2007 Airfluid	2007-50L
Size W x T x H	466 x 1182 x 770 mm	466 x 1182 x 770 mm
Weight	approx. 39 kg	approx. 33 kg
Mains (AC)	220 V...240 V/ 50...60 Hz	85 V...266 V/ 47...440 Hz
Air inlet pressure	6 - 8 bar	6 - 8 bar
Air outlet pressure	o...6 bar	o...6 bar

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Universal connection and application possibilities

Reliable, safe control with the EPG 2007 control unit



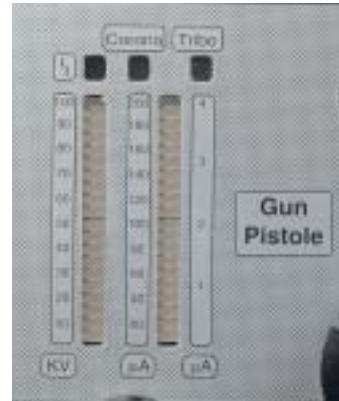
It makes no difference whether the guns are Corona or Tribo! All the electrical and pneumatic functions are controlled with the EPG 2007. A particular benefit: Integral indicator displays for the electrostatic and Tribo current. The current limit ensures that the charging of the powder remains constant within the critical working range of 50 to 150 mm spraying distance; none of the charging voltage is lost!

The most important features

- Integral high voltage - display for electrostatic guns, with preset/actual display
- Integral Tribo current display for Tribo guns
- Integral vibrator motor control
- Operating mode selection switch
- Automat mains voltage detection

Tribo-current display and indicator display for electrostatic operation

Also of benefit is the clearly readable high voltage preset value input up to 100 kV max.; the actual values in kV and the current figures in μA are displayed simultaneously. In addition the integral Tribo current display shows the actual current value when coating with a Tribo gun.



Important special accessories

The protective cover for the EPG 2007 control unit also fulfils the safety requirements in accordance with the standard EN 50050. Now for the first time, confirmed by a Certificate of Conformity PTB No. 92. C. 9102, the EPG 2007 control unit together with the additional safety device can be used within the explosion hazard zone 22 caused by the manual powder equipment.



Greater economy and user-friendliness when powder coating by hand



Ideal for multiple colour use the manual equipment 2007 Airfluid

The powder is delivered directly from the original powder box. Colour changes are made in minutes. The tried and tested ME-1 Airfluid unit always ensures a uniform supply of powder.

Main components:

- Stable equipment trolley with vibration table and motor
- EPG 2007 control unit
- ME-1 Airfluid unit and PI-P1 injector
- Airmatic electrostatic powder gun PEM-C3 or Tribo PEM-T3



Ideal for medium to large production runs the manual equipment 2007-50LR

The stainless steel container which can be dismantled is extremely easy to clean. Fluidisation of the powder is achieved by the use of an integral fluid bed. This is the ideal manual unit for coating series production run by hand.

Main components:

- Stable equipment trolley
- EPG 2007 control unit
- 50 litre stainless steel container and PI-P1 injector
- Airmatic electrostatic powder gun PEM-C3 or Tribo PEM-T3

Airmatic and Tribo – The super-light manual guns for perfect surfaces and high efficiency

Super-light and handy: The manual electrostatic gun PEM-C3

Electrostatic coating with the PEM-C3 is marked by excellent charging of the powder and an extremely high transfer efficiency.

- Fine spray pattern and uniform film thicknesses due to the newly developed nozzle system

- High efficiency due to integral 100 kV high voltage cascade
- Super-light: only 498g (without connecting leads)
- New multi-functional nozzle system for easy change over from round to fan spray use
- Deflector cone ventilation or atomising air
- Basic equipment with deflector cone



For parts with the most difficult geometry: The Tribo manual gun PEM-T3

The powder particles are reliably charged up by friction against the PTFE inner walls and chicanes of the powder duct. This charging system is ideally suited for coating inside Faraday cages.

- Tribo air to increase the intensity of the frictional charge
- Excellent penetration power into corners, angles and edges
- Light and handy: only 590g (without connecting leads)
- Optimal service life for wear parts
- Equipped with deflector cone as standard



For small batch sizes:

The PEM-CG3 cup gun

Ideal for all users who only want to apply small quantities of coating powder!

- Powerful integral high voltage cascade 100 kV negative
- Very good application effect due to very short powder delivery travel.
- With new multi-functional nozzle system for easy changing from round to flat jet nozzle

- Deflector cone ventilation or atomising air
- Basic equipment: 500 cm³-delivery cup with integral injector system and deflector cone
- Feed and dosage air adjustable on the gun
- Light and handy: only 885 g (without connecting leads)
- Special accessories: 900 cm³-delivery cup, slotted fan spray nozzle



The powder cup suitcase kit: The EPG 2020 CG

This easy to carry unit is ideal for changing coating applications on site!

Everything integrated:

- The PEM-CG3 Airmatic powder cup gun with 500 cm³ - delivery cup

- EPG 2020 control unit complete with: handle, integral compartment for gun and cup, HVM 2072-H high voltage module and pneumatic unit, mains cable, earthing cable and kit of spares

