



POWDER COATING EQUIPMENT USER'S MANUAL

E-COAT+3 PRO

SERIES
USA Version



Check our
product
online

electron.com.tr + info@electron.com.tr

Electron

+3

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ITOB Menderes

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1. Safety Regulations

This section sets out the fundamental safety regulations that must be followed by the user and third parties using the E-COAT+3 PRO. These safety regulations must be read and understood before the E-COAT+3 PRO is used.

1.1. Safety Symbols

The following warnings with their meanings can be found in the Sistem Teknik Makina operating instructions. The general safety precautions must also be followed as well as the regulations in the operating instructions.



DANGER!
Electrical and moving parts pose a hazard.
Possible Consequences: Death or serious injury.



WARNING!
Improper use will damage the device or cause malfunction.
Possible consequences: Minor injuries or damage to equipment.

1.2. Conformity Of Use

1. E-COAT+3 PRO Manual Coating Equipment is built to the latest specification and conforms to the recognized technical safety regulations. It is designed for the normal application of powder coating.
2. Any other use is considered as non-conform. The manufacturer is not responsible for damage resulting from improper use of this equipment; the end-user alone is responsible. If the E-COAT+3 PRO is to be used for other purposes or other substances outside of our guidelines then Sistem Teknik Makina A.Ş. should be consulted.
3. Observance of the operating, service and maintenance instructions by the manufacturer is also part of conformity of use. The E-COAT+3 PRO should only be used, maintained and started up by trained personnel, who are informed about and are familiar with the possible hazards involved.
4. Start-up is forbidden until it has been established that the E-COAT+3 PRO has been set up and wired according to the guidelines for machinery EN 60204-1 (machine safety) must also be observed.
5. Unauthorized modifications to E-COAT+3 PRO exempt the manufacturer from any liability from resulting damage.
6. Relevant accident prevention regulations, as well as other generally recognized safety regulations, occupational health and structural regulations are to be observed.
7. In addition to above, country-specific safety regulations must be observed.

Explosion Protection Class of E-COAT+3 PRO Controller Unit

Explosion Protection	Protection Type	Temp Class
  II 3(2)D	IP54	T6

Explosion Protection Class of E-GUN+3 C2 Powder Paint Gun

Explosion Protection	Protection Type	Temp Class
  II 2 D	IP64	T6

Explosion Protection Class of E-GUN+3 C3 Powder Paint Gun

Explosion Protection	Protection Type	Temp Class
  II 2 D	IP64	T6

Note: EN 60204-1 this standard includes the non-mobile machines electronic machines and programmable electronic hardware and systems.

1.3. Technical Safety Regulations for Stationary Electrostatic Powder Spraying Equipment

1.3.1. General Information

The powder spraying equipment of Sistem Teknik Makina (Electron) is designed for safe use and to the latest technological specs. Electrostatic powder equipment could create dangerous situations unless it's used properly. In addition to that, there might be a danger to life and limb of the user or third party, a danger of damage to the equipment and other machinery that belongs to the user and hazards to the proper operation of equipment.

1. The powder spraying equipment should only be started up and used once the operating instructions have been carefully read. Apart from any usage from the user manual, there lies a danger of damaging the equipment and loss of control of the equipment.
2. Operational safety has to be observed before every start-up. Regular Servicing is the essence of working safely.
3. Local legislation should be considered for the safety.
4. The plug has to be disconnected before the machine is opened for repair.
5. The plug and socket connections between spraying equipment should only be taken out when the power is off.
6. The connection cables have to be installed in a manner that they wouldn't interfere or damage the normal machine operation. Also the local legislation should be observed for the installation.
7. Only original Electron spare parts should be used, because only the original products will guarantee the equipment's explosion protection. Any damage caused by other used parts is not covered by the guarantee.
8. If Electron powder spraying equipment is going to be used with other devices/machinery from other manufacturers, their safety regulations should be also considered.
9. Be cautious while working in a powder/air mixture area. In the right concentration the mixture would be flammable, thus smoking is forbidden in the entire plant area.
10. Rule of thumb says that any person who uses a pacemaker should NEVER enter a high voltage area or places with electromagnetic fields. Note that people with pacemakers ALSO SHOULDN'T work in powder spraying installations.



WARNING!

Only the customer itself is responsible for the safe usage of the equipment.
Sistem Teknik is not responsible for any damage resulted from the usage.

1.3.2. Consciously Working Safe

Every other individual who will be working for the assembly, start-up, operation, service and repair of powder spraying equipment must have read and understood the operating instructions and the "Safety Regulations". Operators have to be appropriately trained via Sistem Teknik assembly personnel and made aware of the possible danger of powder spraying equipment and the environment.

The control units for guns must only be set up and used in zone 22. The spray guns are permitted in the zone 21 which is created by them but only them.

Powder spraying equipment must only be used by trained and authorized personnel. This also applies for any kind of modification to the electrical equipment, which only should be carried out by a specialist.

It is essential that the operating instructions are understood before any kind of work is done with the equipment. All the procedures have to be done according to the instructions. Powder spraying equipment can be turned off via the main power switch or the emergency shut down procedure.

1.3.3. Safety Regulations for the Operating Firm and/or Personnel

1. First of all, anything which would influence the equipment negatively should be avoided for the technical safety.
2. The machine user should be well informed about no other people than trained personnel would use the machine.
3. The employer has to provide an operating instruction manual for specifying the dangers for humans and the environment by handling dangerous materials, as well as all preventive measures and workplace behaviors. This "document" must be well written in an understandable form in the language that the person employed for the equipment.
4. The operator is obliged to check the equipment for external damage once every shift changed at the very least. The operation characteristic changes should also be reported.
5. Users should conform the satisfactory working conditions else the equipment should not be used.
6. The operating firm must ensure that the users wear protective clothing like facemasks and working suits.
7. The firm also guarantees the cleanliness of the workplace and proper checks for the powder spraying equipment.
8. Safety devices should be always on the equipment at all costs unless the equipment is going to be maintained or cleaned. After the maintenance all the devices should be put on the equipment. The users must be trained well for this purpose.
9. Powder fluidization or high voltage spray gun checks have to be done when the equipment is switched off.

1.3.4. Special Types of Hazard

1. **Power:** All the high voltage equipment should be unplugged before opened. This is a huge life risk thus it has to be taken under great care.
2. **Powder:** Powder/air mixtures could be ignited by sparks. Sufficient ventilation is a must while using powder spraying equipment. Powder, which is not swept from the floor creates risky environment.
3. **Static Charges:** These could result in the following: Charges to people, electric shocks, sparks. Charging of objects has to be avoided.
4. **Grounding:** All electricity conducting parts and machinery in the workplace must be earthed. Please connect a ground wire 1.5 meters before the entrance of the cabinet, in the middle of the cabinet and 1.5 meters after the exit of the cabinet. The grounding resistance must amount to a maximum of 1 MOhm resistance has to be tested regularly. The appropriate devices must be kept in the workplace for regular grounding checks.
5. **Compressed Air:** Compressed air could be created after long pauses of the equipment and this creates risk of pneumatic hose damage or uncontrolled release and improper use of compressed air. Compressed air should be drained properly.
6. **Crushing and Cutting:** There might be moving parts while operation (e.g. Conveyor Belt, Reciprocator). The operator must be trained to maintain the area safety and local security regulations.
7. **Exceptional Circumstances:** Local conditions must be met at all costs. Additional measures such as barriers can be used to prevent unauthorized access.
8. **Conversions and Modifications to the Equipment:** All conversions and must be asked to Sistem Teknik prior to the process and no process should be done without Sistem Teknik's permission. This is essential for the equipment safety and conformity. Powder coating equipment should never be used if damaged; these parts should be changed immediately with the original Sistem Teknik replacement. Other replacements then Sistem Teknik original equipment does not conform the guarantee, thus the guarantee will no longer be valid. Equipment repairs must be done only by specialist or at Sistem Teknik verified shops.

1.3.5. Safety Requirements for Electrostatic Powder Coating

1. All the equipment used for powder coating is dangerous unless the instructions are not conformed.
2. Every electrostatic conductive part must be earthed within the 5 meter radius from the equipment.
3. The floor of the coating area should conduct electricity (Concrete is generally a conductive surface, check with your building project for more info)
4. The users should wear electricity conducting footwear.
5. The guns are earthed thus you must use them with your bare hands. If gloves are going to be used, make sure that they conduct electricity.
6. Grounding cable must be connected to the grounding screw of the electrostatic powder spraying hand appliance. It should have a good connection with the booth, hopper and conveyor chain (if used).
7. E-COAT+3 PRO Device must be switched off while the hand gun is being cleaned.
8. The grounding must be checked every week. Remember that the grounding resistance must be 1 MOhm at a maximum.
9. The E-COAT+3 PRO equipment should only be switched once the booth is working in proper conditions. If the booth malfunctions, E-COAT+3 PRO should be turned off.
10. At nozzle changes, the E-COAT+3 PRO device should be shut down.
11. Only use spare parts / attachments and accessories from Sistem Teknik's original parts page. This ensures the safety of the equipment and conformity of use.
12. Cleaning agents creates the risk of hazardous fumes. Please check the manufacturer's manual about more information about the cleaning agents if they are used in the site.
13. If there is any damage on the powder coating equipment or the spray gun, operators should stop using it.
14. Especially make sure that the environmental regulations and the manufacturer's instructions are being conformed while disposing the powder lacquer and cleaning agents.
15. Repairs have to be carried out via specialists of Sistem Teknik trained personnel and never to be done in the operating area under any circumstance.
16. Dangerous dust concentration levels should be avoided in powder spraying areas. There must be sufficient technical ventilation available (e.g. booth ventilation) to prevent a dust concentration of more than %50 of the lower explosion limit (UEG = max. permissible powder/air concentration). If the UEG is not known then a value of 10g/m³ should be used.

Standards Used for Compliance:

2014/34/EU	The approximation of the laws of the Member States relating to apparatus and safety systems for their intended use in potentially explosive atmospheres.
TS EN ISO 12100	Machine safety
EN IEC 60079-0	Electrical equipment for locations where there is danger of explosion
EN 50050-2	Electrical apparatus for potentially explosive atmospheres electrostatic hand-held spraying equipment
EN 50177/A1	Stationary electrostatic spraying equipment for flammable coating powder
EN 16985	Coating plants - spray booths for application of organic powder coating material safety requirements
TS 3033 EN 60529	IP-Type protection: contact, foreign bodies and water protection for electrical equipment
EN 60204-1	VDE regulations for the setting up of high voltage electrical machine tools and processing machines with mains voltages up to 1000 V
FM 7260 (2022)	Examination Standard for Electrostatic Finishing Equipment

1.4. Product Specific Safety

If there is an installation work that will be done by the customer, the local regulations have to be considered.

The plant must be checked for any type of foreign objects inside the booth or in ducting, input and exhaust air before start up.

All equipment must be grounded according to the local regulations before start up as well.

1.5. Scope of Delivery

1.5.1. (A06ECA04A+3) E-COAT+3 PRO A AUTOMATIC POWDER COATING DEVICE



- (B07EGC300+3) E-GUN+3 C3 AUTOMATIC POWDER COATING GUN
- E-GUN+3 C3 Automatic Gun Cable (12 m)
- E-FEED+3 INJ
- (B07ECPU03) E-COAT+3 PRO CONTROL UNIT
- Regulator and Air Distribution Unit
- Hose connection accessories

1.5.2. (A06ECM04B+3-A110V) E-COAT+3 PRO B MANUEL POWDER COATING DEVICE (A110V)



- (B07EGC200+3) E-GUN+3 C2 MANUAL POWDER COATING GUN
- E-FEED+3 INJ
- (B07ECPU03) E-COAT+3 PRO CONTROL UNIT
- Regulator and Air Distribution Unit
- Hose connection accessories

1.5.3. (A06ECM04H+3-A110V) E-COAT+3 PRO H MANUEL POWDER COATING DEVICE (A110V)



- (B07EGC200+3) E-GUN+3 C2 MANUAL POWDER COATING GUN
- E-FEED+3 INJ
- (B07ECPU03) E-COAT+3 PRO CONTROL UNIT
- E-HOPP+3 50
- E-COAT+3 Mobile Trolley w/Air Distribution Unit and Fluidization Control
- Hose connection accessories

1.5.4. (A06ECM04M+3-A110V) E-COAT+3 PRO M MANUEL POWDER COATING DEVICE (A110V)



- (B07EGC200+3) E-GUN+3 C2 MANUAL POWDER COATING GUN
- E-FEED+3 INJ
- (B07ECPU03) E-COAT+3 PRO CONTROL UNIT
- E-COAT+3 Mobile Trolley w/Box Holder and Suction Tube
- Hose connection accessories

1.6. Conformity Between Products

Electron E-COAT+3 PRO can be used with:

- E-GUN+3 C2
- E-GUN+3 C3
- E-FEED+3 INJ

Electron E-GUN+3 C2 can be used with:

- E-COAT+3 PRO
- E-FEED+3 INJ
- FastCorona™ Manual

Electron (B07EGC300+3) E-GUN+3 C3 AUTOMATIC POWDER COATING GUN can be used with:

- (B07ECMU01+3) E-COAT+3 MASTER CONTROL UNIT
- (B07ECPU03) E-COAT+3 PRO CONTROL UNIT
- E-FEED+3 INJ
- FastCorona™ Auto

2. General Information About E-COAT+3 PRO

2.1. Technical Data

Electrical Data

(B07ECP03) E-COAT+3 PRO CONTROL UNIT	
Nominal Input Voltage	100-240 VAC
Operating Frequency	50-60 Hz
Input Power	150VA
Gun Nominal Output Voltage	Max. 20 Vp-p
Gun Nominal Output Current	Max. 1,5 A
Auxiliary Output Type	24 VDC/max. 10W, 100-240 VAC/max.100W
Purge Output Type	24 VDC, max. 10W
Protection Class	IP54
Max. Operating Surface Temperature	85 °C
Explosion Protection	  II 3(2)D

Pneumatic Data

(B07ECP03) E-COAT+3 PRO Control Unit	
Compressed Air Connection	8 mm
Input Pressure and Capacity	5,5-7,0 bar & 150-200 lt/dk
Max. Water Vapor in Compressed Air	1,4 g/m ³
Max. Oil Vapor Content in Compressed Air	0,12 mg/m ³

(B07EGC200+3) E-GUN+3 C2 Manual Powder Coating Gun	
Weight	495g

Powder Paint Output References

(B07ECP03) E-COAT+3 PRO Control Unit	
Powder Paint Type	Epoxy / Polyester
Powder Hose Type	Double Carbon De charge Connection Antistatic Hose
Powder Hose Length	7 m
Powder Hose Diameter Ø	11 mm
Powder Air Nozzle Diameter Ø	1,5 mm

E-COAT+3 PRO with E-FEED+3 INJ

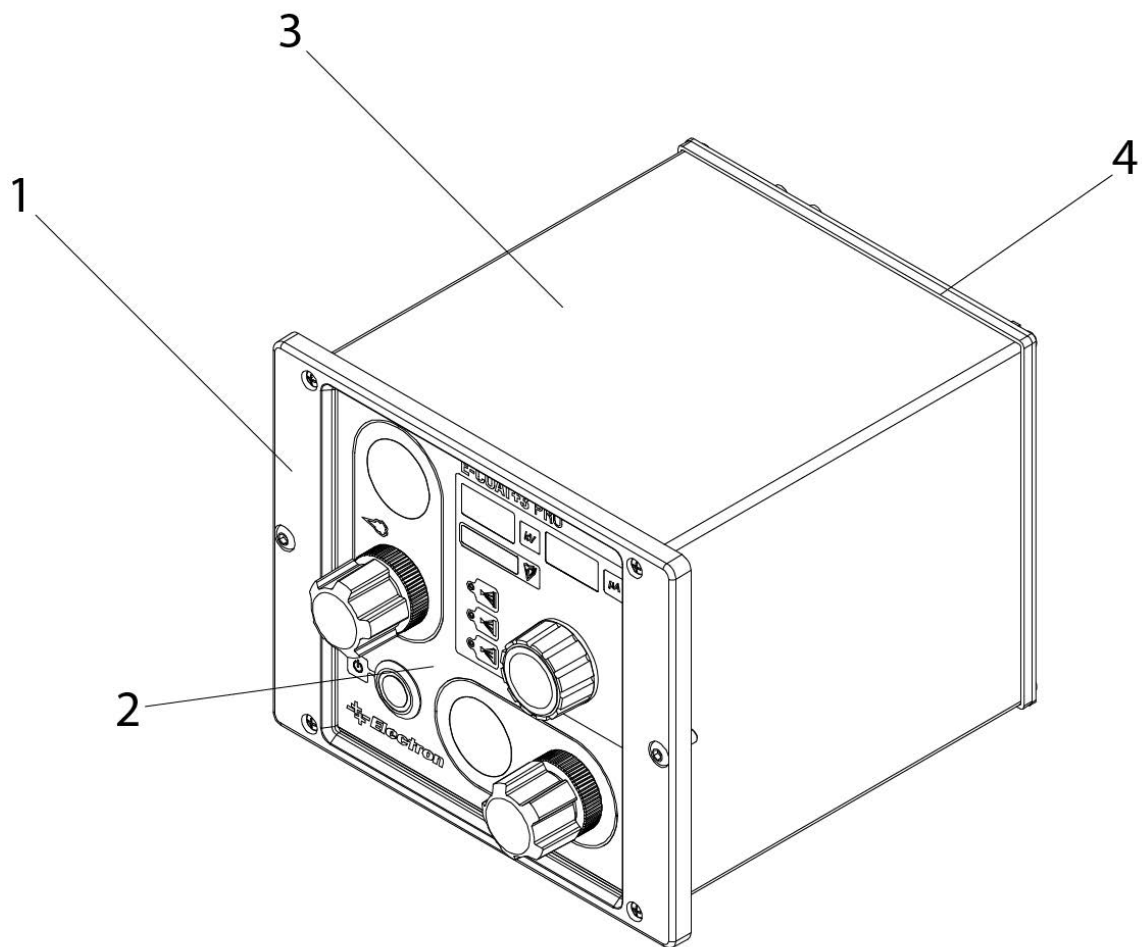
(B07ECP03) E-COAT+3 PRO Control Unit	
Pressure	**Powder Output gr/min
0,1 MPa (1 BAR)	35
0,15 MPa (1,5 BAR)	155
0,2 MPa (2 BAR)	320
0,3 MPa (3 BAR)	420

****Powder paint flow rate is related to the particle size and other properties of the powder paint. Flow values are not guaranteed for all types of paint**

E-COAT+3 PRO Air Flow Rates

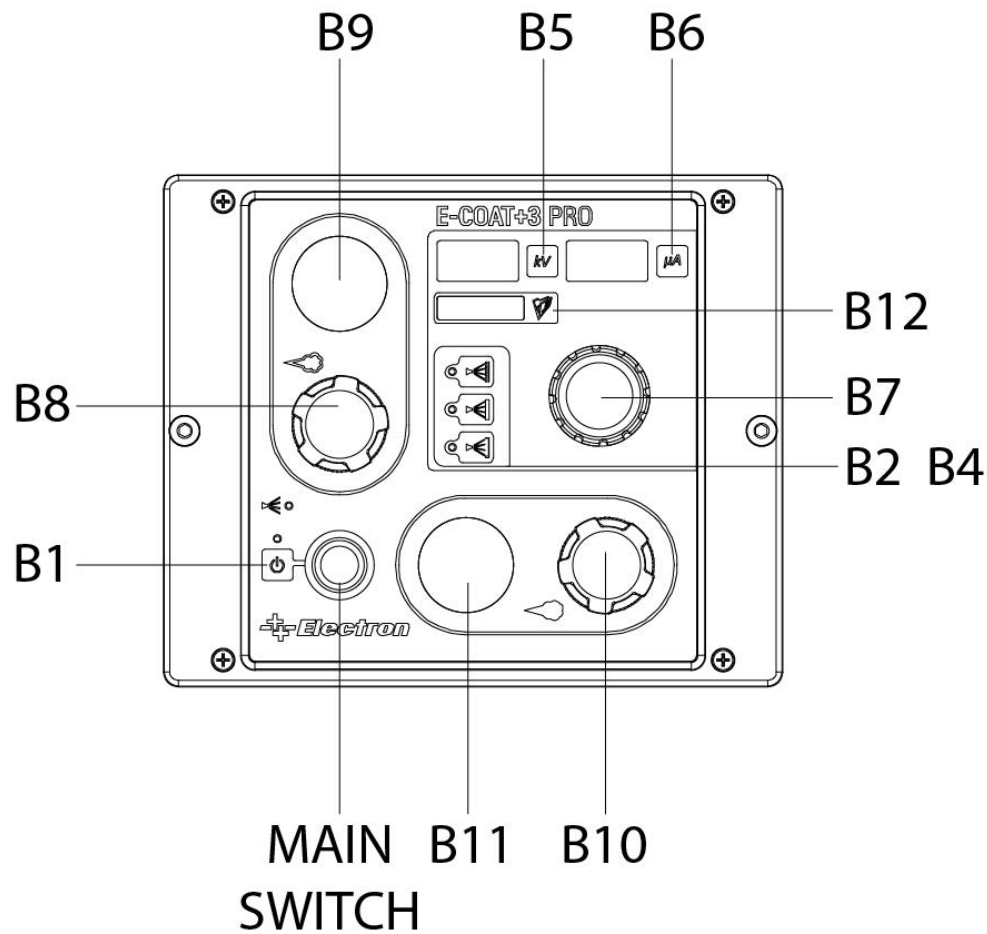
E-COAT+3 PRO Control Unit	
Nozzle Air	0-16 lt/min (2 lt/min Factory Setting)
Supplementary Air	0-200 lt/min
Conveying Air	0-200 lt/min
Total Air	0-400 lt/min

2.2. General View



- 1) Front Panel
- 2) Display and Control Buttons
- 3) Casing
- 4) Back Panel and I/O

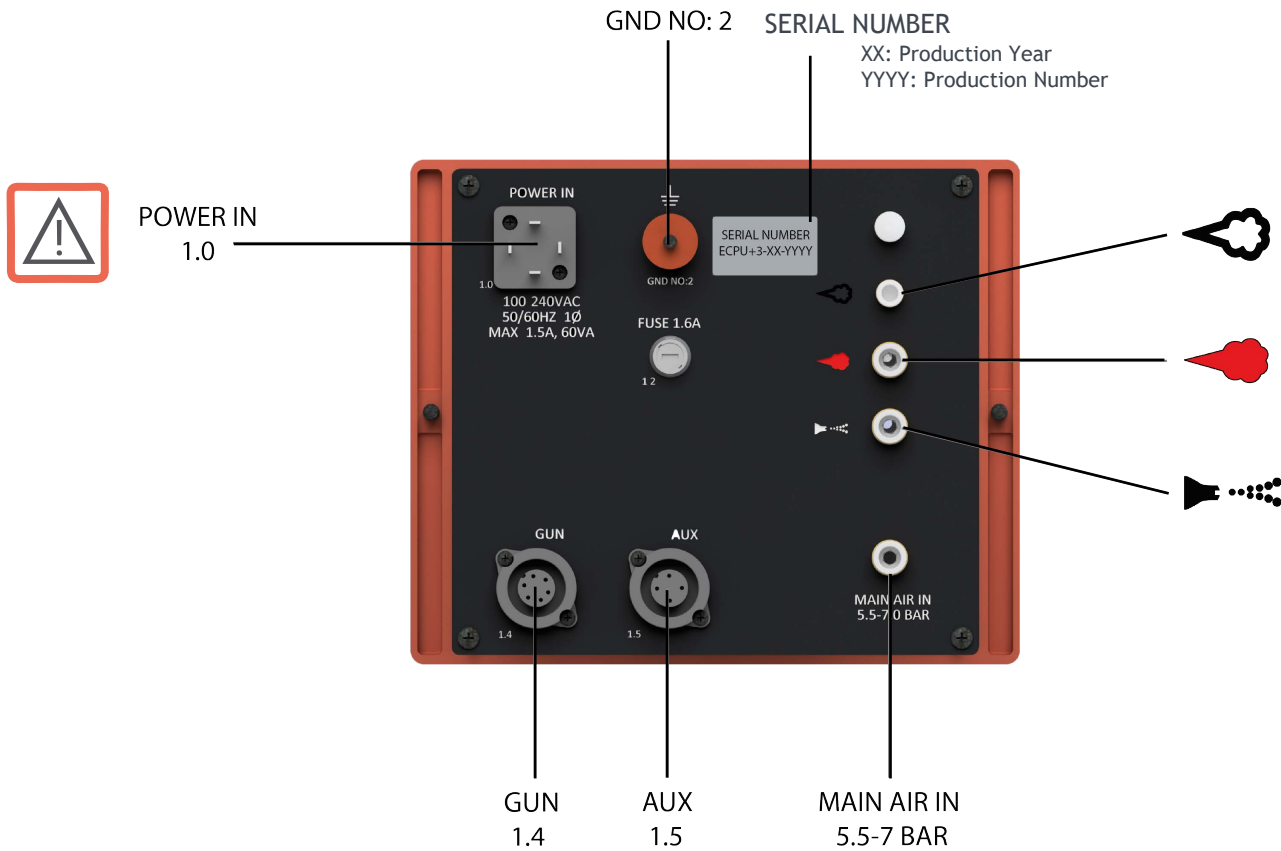
2.3. Front Panel and Input Buttons



Front Panel Connections

Button	Definition
B1	Vibration Motor(Only Multicolor) Active/Passive Button
B2	Automatic Program 1
B3	Automatic Program 2
B4	Automatic Program 3
B5	kV Adjustment Button
B6	μ A Adjustment Button
B7	Rotary Adjustment Button
B8	Supplementary Air Adjustment Regulator
B9	Supplementary Air Manometer
B10	Powder Paint Adjustment Regulator
B11	Powder Paint Air Manometer
B12	Recipe Selection Button
MAIN SWITCH	Main Power Switch

2.4. Back Panel and Connections



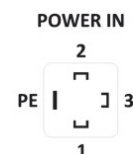
Back Panel Connections

Connection	Function
1.0 POWER IN 	MAIN POWER CONNECTION (100-240VAC, 50-60Hz) It is the general voltage value of the product. See the voltage input of the relevant parent product.
1.2 Fuse 1.6A	Glass Fuse Holder 1.6A
1.4 Gun	Gun Cable Connection
1.5 AUX	Fluidization Unit/Multicolor Unit Connection
MAIN AIR IN 5.5-7.0 BAR	Main Pressured Air Connection (5,5-7,0 Bar, Ø8 Hose)
	Nozzle Air Connection (Black Ø6 Hose)
	Supplementary Air Connection (Black Ø8 Hose)
	Powder Air Connection (Red Ø8 Hose)
	Earth Cable Connection

Warning: AUX input cover should be closed if there is no

connection. PIN Connection

- 1) Phase (100-240 VAC)
 - 2) Neutral
 - 3) Trigger (Phase Applied-Only Automatic Mode)
- PE) Grounding



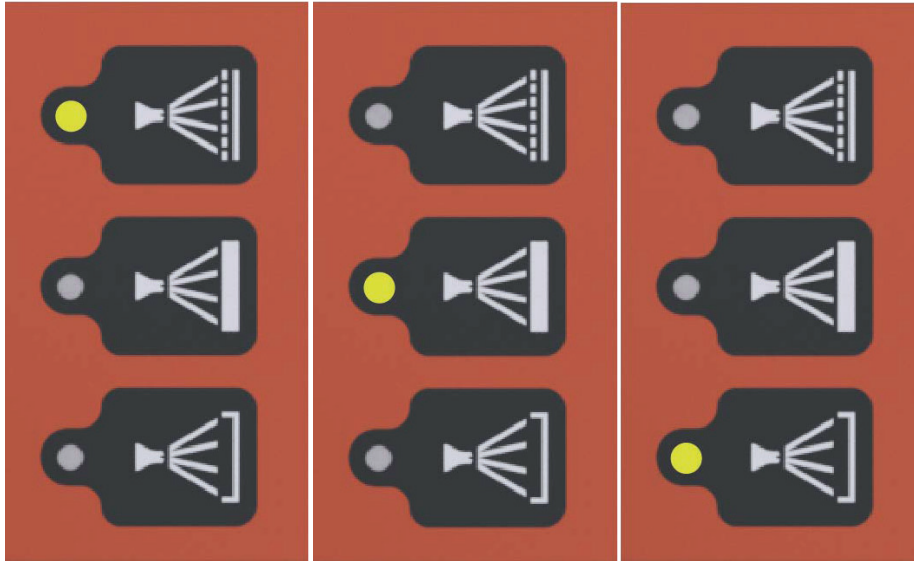
2.5. General Instructions

Usage Types

a. Automated Recipe Working Mode

This type of usage allows the customer to work with custom made recipes as well the three predefined recipes stated below:

1. Coating on Straight Faced Materials
2. Coating on Coated Materials
3. Coating on Notched Surfaces



Predefined Recipe Buttons

Predifined Recipe Name	High Voltage (kV)	Output Current (μA)
Coating on Straight Faced Material	100	100
Coating on Coated Material	100	10
Coating on Notched Surfaces	100	22

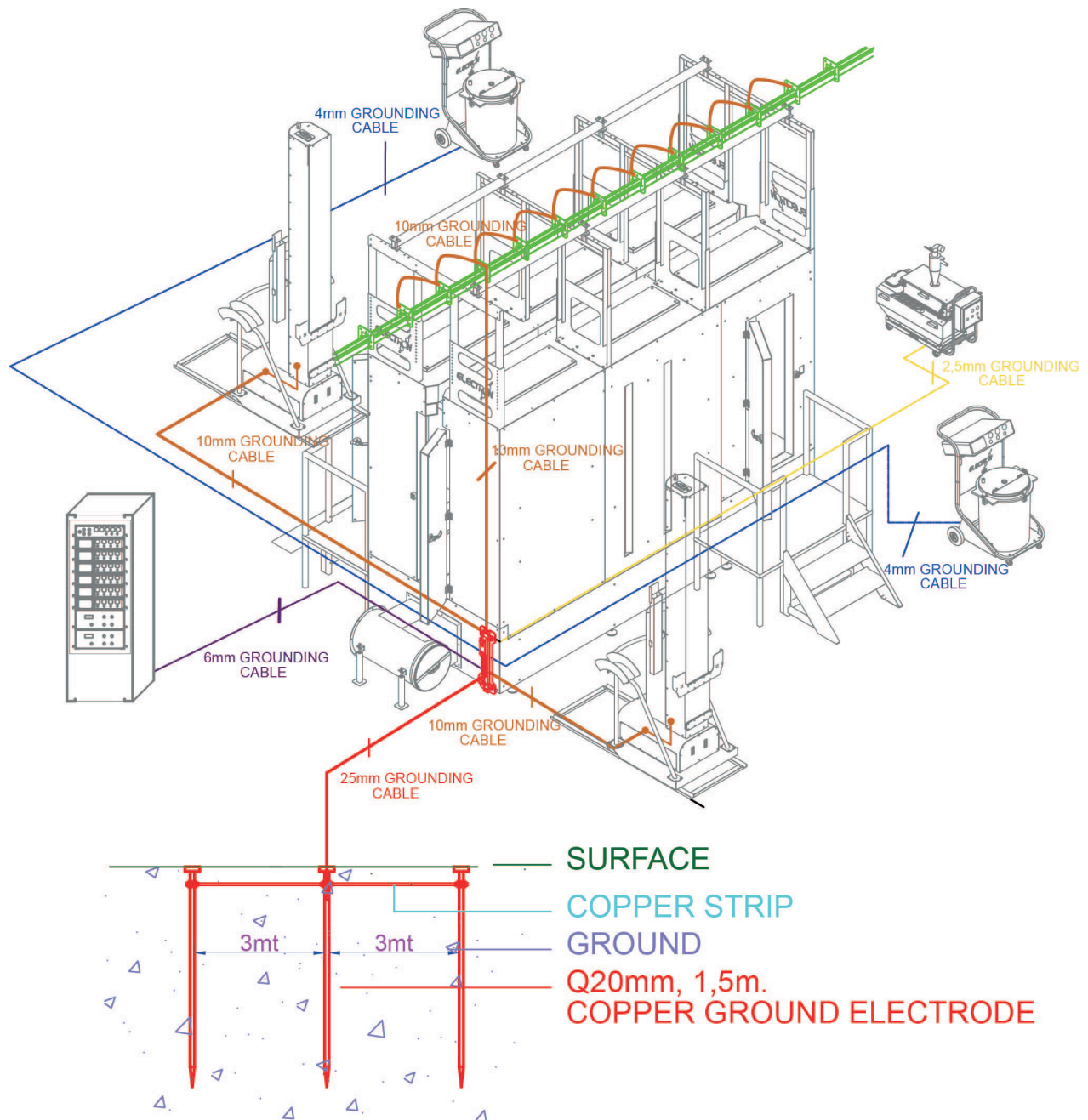
a. Automated Recipe Working Mode

In this working principle, the user can save their own working parameters and change them. There can be 50 recipes starting from P01 to P50, three of which P01-02-03 are factory predefined recipes. These predefined recipes are explained in this manual. Users can manually define 47 different recipes of their choice.

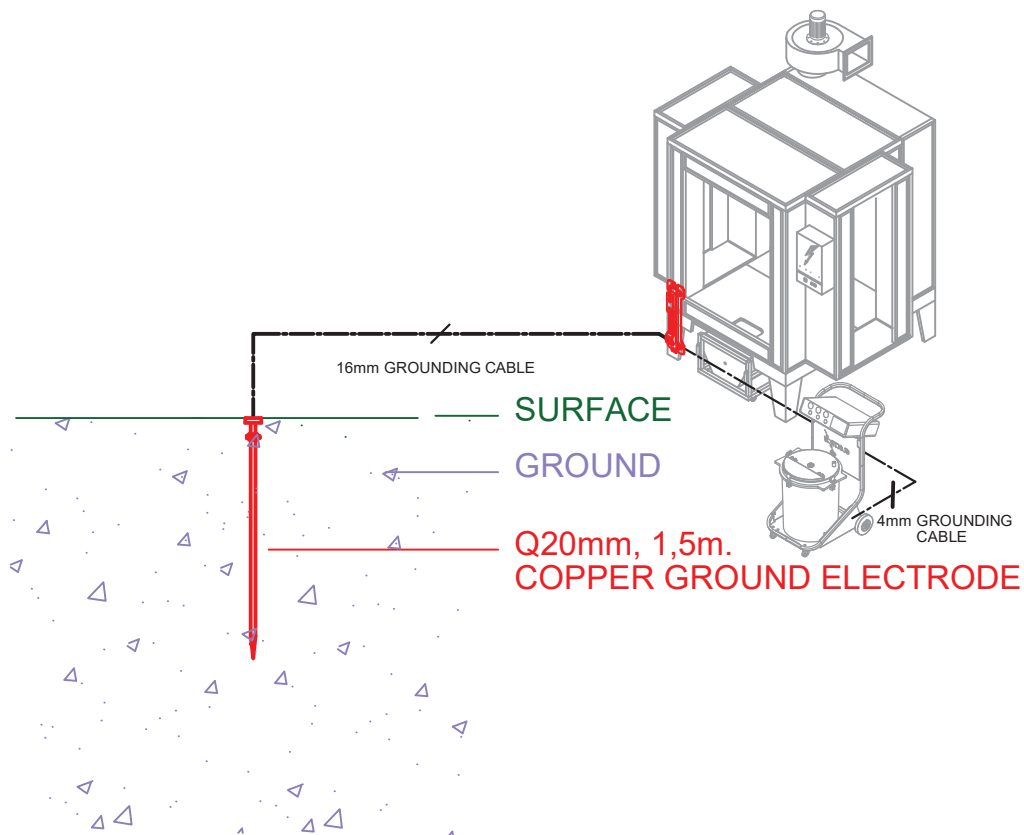


3. Start Up

3.1. Grounding



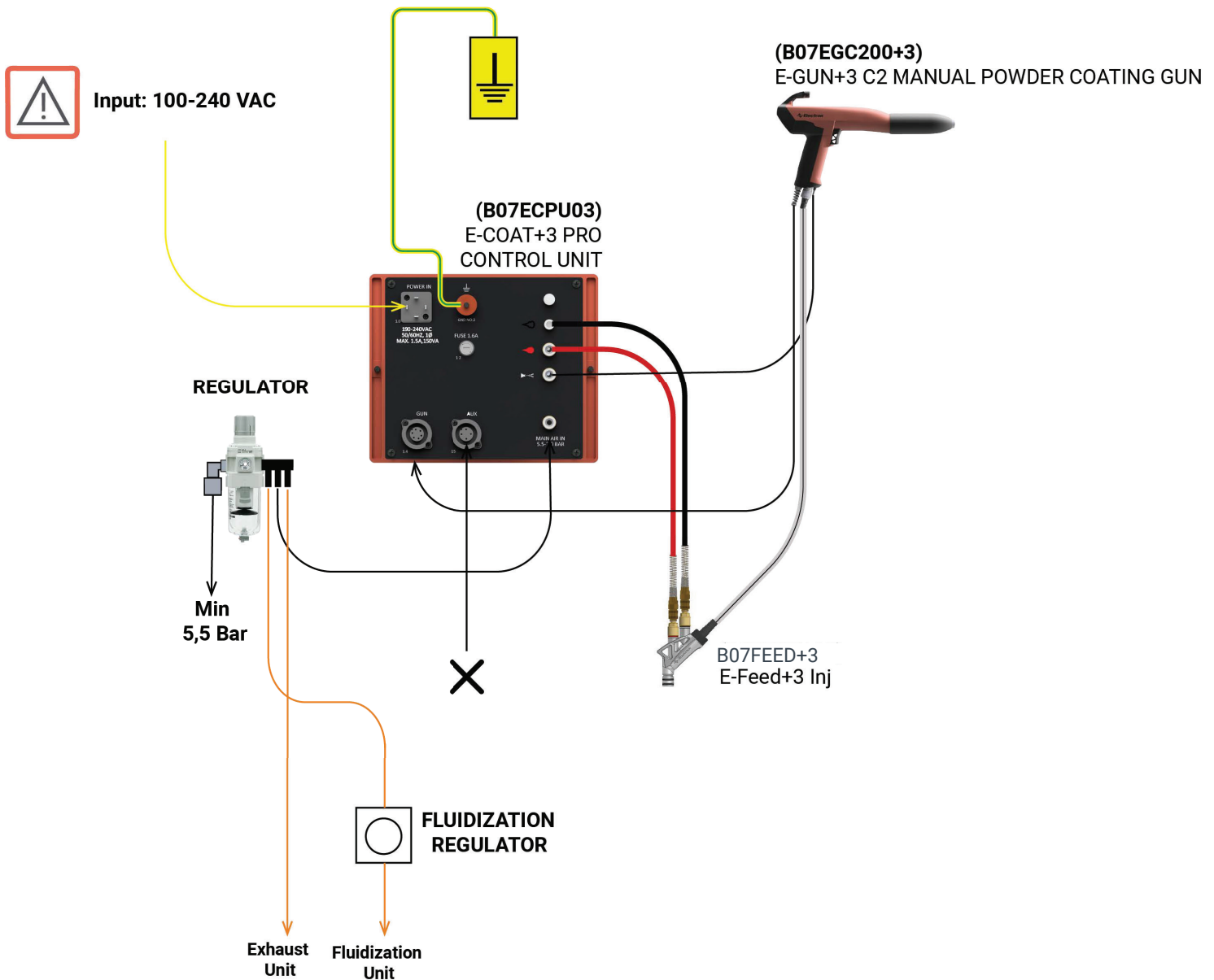
DEVICE QUANTITY	SPIKE AMOUNT	CABLE THICKNESS
 ≤ 4	1	16 mm ²
4 <  ≤ 8	2	16 mm ²
8 <  ≤ 12	3	25 mm ²
12 <  ≤ 16	4	25 mm ² +16 mm ²
16 <  ≤ 20	5	25 mm ² +16 mm ²
20 <  ≤ 24	6	25 mm ² +25 mm ²
24 <  ≤ 28	7	25 mm ² +25 mm ²
28 <  ≤ 32	8	25 mm ² +25 mm ²
32 <  ≤ 36	9	50 mm ² +25 mm ²



All electricity conducting parts and machinery in the workplace must be earthed. Please connect a ground wire 1.5 meters before the entrance of the cabinet, in the middle of the cabinet and 1.5 meters after the exit of the cabinet. The grounding resistance must amount to a maximum of 1 MOhm resistance has to be tested regularly. The appropriate devices must be kept in the workplace for regular grounding checks.

Grounding cable must be connected to the grounding screw of the electrostatic powder spraying hand appliance. It should have a good connection with the booth, hopper and conveyor chain (if used).

b. (A06ECM04H+3-A110V) E-COAT+3 PRO H MANUAL POWDER COATING DEVICE (A110V)



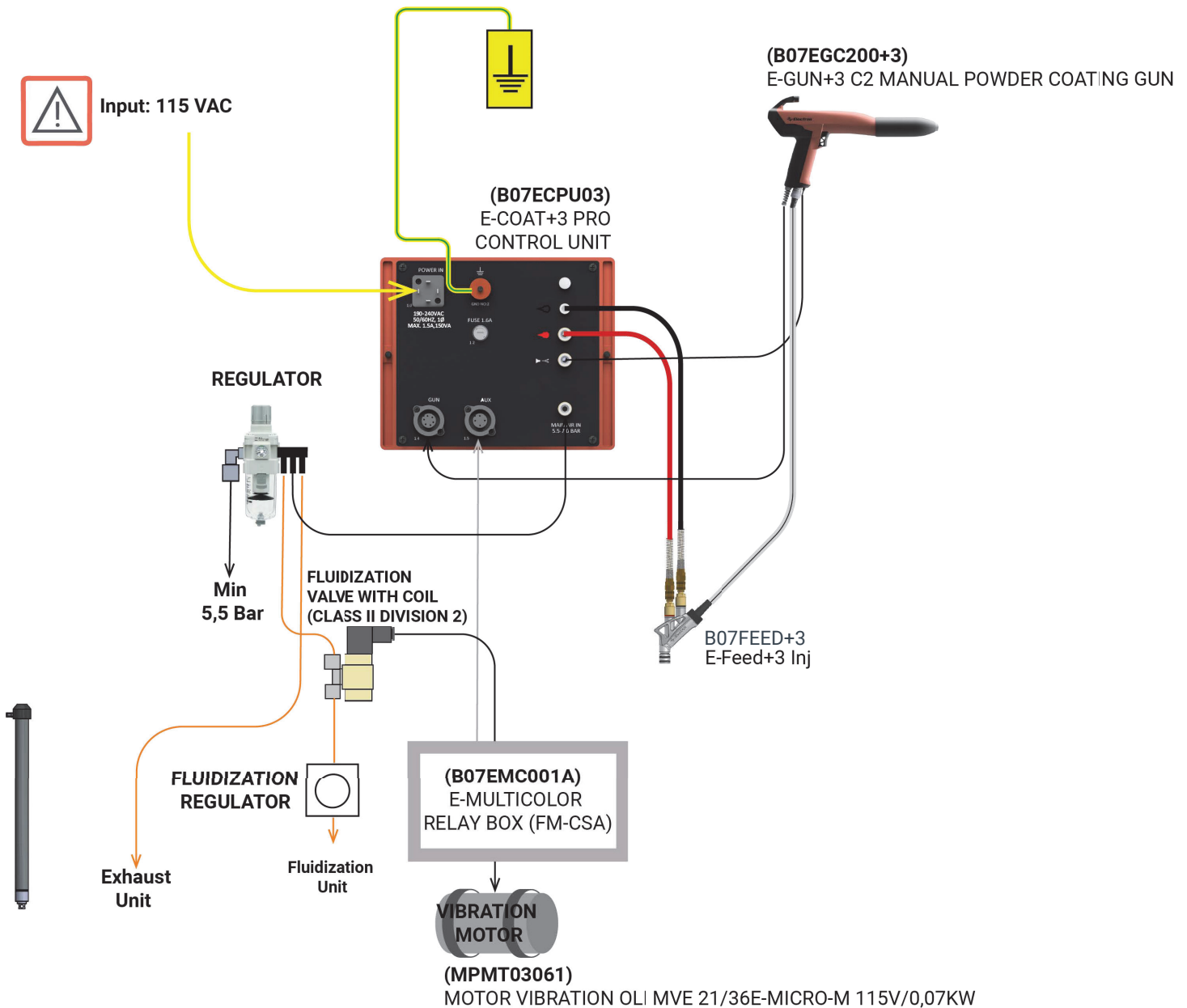
Note:  Don't use with (A06ECM04H+3-A110V) E-Coat+3 Pro H Manual Powder Coating Device configuration.



The device installation must be carried out in a non-hazardous area. Protective caps on unused sockets must be closed. The control unit power cable and/or other connectors must not be connected or disconnected in Zone 21 or Zone 22 areas.

Under no circumstances, in any zone, shall the power cable be connected or disconnected while the device is in the ON (energized) state. This action is strictly forbidden.

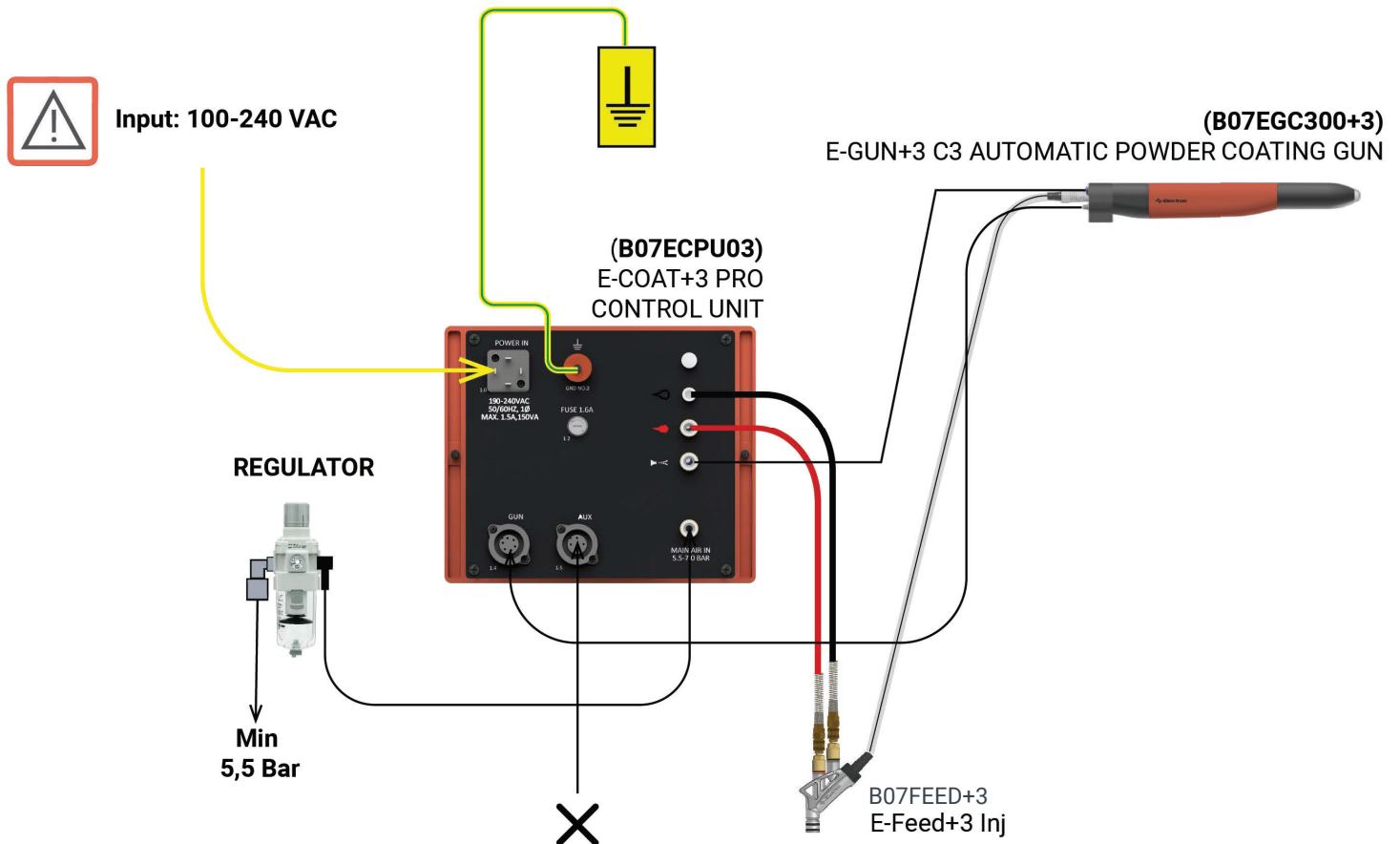
c.(A06ECM04M+3-A110V) E-COAT+3 PRO M MANUAL POWDER COATING DEVICE (A110V)



 The device installation must be carried out in a non-hazardous area. Protective caps on unused sockets must be closed. The control unit power cable and/or other connectors must not be connected or disconnected in Zone 21 or Zone 22 areas.

Under no circumstances, in any zone, shall the power cable be connected or disconnected while the device is in the ON (energized) state. This action is strictly forbidden.

d. (A06ECA04A+3) E-COAT+3 PRO A AUTOMATIC POWDER COATING DEVICE



Note:



Don't use with (A06ECA04A+3) E-Coat+3 Pro A Automatic Powder Coating Device configuration.



The device installation must be carried out in a non-hazardous area. Protective caps on unused sockets must be closed. The control unit power cable and/or other connectors must not be connected or disconnected in Zone 21 or Zone 22 areas.

Under no circumstances, in any zone, shall the power cable be connected or disconnected while the device is in the ON (energized) state. This action is strictly forbidden.

3.3 Start Up

Info: E-COAT+3 PRO Powder Coating Control unit always starts with the last used configuration preferences.

In the above “System Connections” figure, all the electrical and pneumatic connections are shown. After correctly connecting the device, the user can press the “Main Switch” to start the control unit. The below procedure should be done at the first Start up.

E-COAT+3 PRO should be calibrated according to the products that are going to be powder coated before the start up. Once you are in the “Main Page” Press the B1 interface button for 5 seconds and the user will see the configuration setting in the device segments.

Code	Code Info	Preferences	Factory Preset
C-1 kV titled top segment	Gun Type	0 = Automatic 1 = Manual w/ Hopper w/o Hopper 2 = Manual w/ Multicolor/Mixer	1
C-3 μ A titled bottom segment	AUX output latency after trigger release	0-100	10

The correct installation steps of Electron E-COAT+3 PRO Control Unit are as follows:

1. C-1 parameter should be adjusted for the type of control unit system.
2. If there is a multicolor item, mixer or an optional gadget that is going to be used with the Control Unit via AUX output, C-3 parameter should be set in seconds for when the gun trigger is being released.

3.4 Operation

a. Creating and Saving a User Recipe



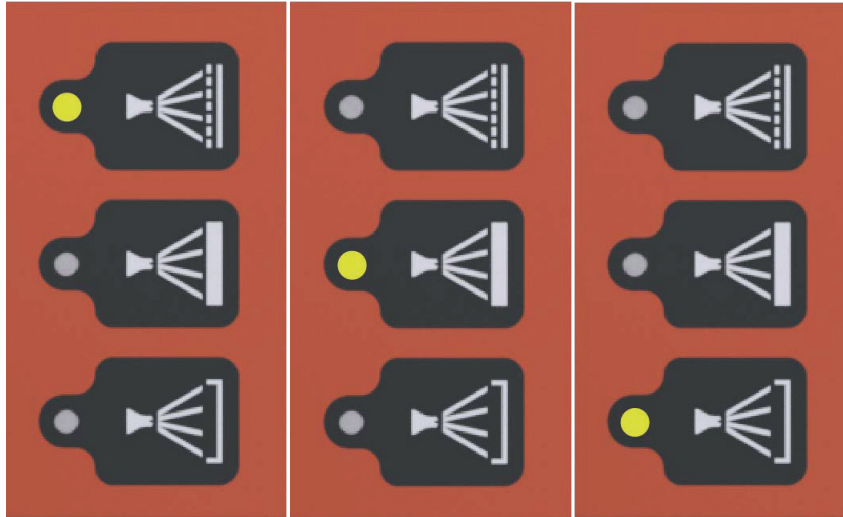
Recipe Segment

After adjusting the values from the control unit, the user can save the recipe for future usage. To save the current recipe, press and hold the segment button next to the recipe segment button for three seconds. You will see the recipe number flashing every 500ms. The user then chooses the recipe number for the current recipe. Turn the knob until the desired recipe number is selected. Once the number is selected the recipe can be saved.

To save the recipe, press and hold the same segment button for three seconds. This time, the screen will start flashing every 200ms for 2 seconds and the recipe will be saved successfully. If instead of pressing and holding for three seconds, the user presses the button once, the current recipe will not be saved and the screen will turn to its first position

Info: The upper limit of the High Voltage is 100 kV and the current output limit is 100 μ A.

b. Predefined Recipe Usage



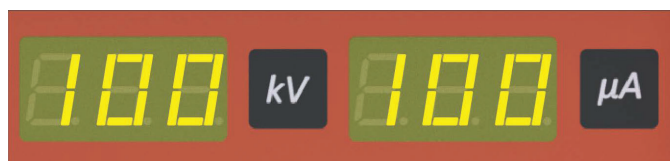
Pressing the first predefined recipe on the left side calls the flat surface coating application. After pressing, the screen automatically brings the P01 recipe and the LED indicator will light up. Similarly, if the user presses the button on the middle, the control unit brings up the P02 recipe which is the “Coating on Coated Surface”, and if the user presses the right buttons the “Coating on Notched Surface”. Recipe will be recalled and the proper LED will light up.

Predefined Recipe Working Parameters are located below

Predifined Recipe Name	High Voltage (kV)	Output Current (μ A)
Coating on Straight Faced Material	100	100
Coating on Coated Material	100	10
Coating on Notched Surfaces	100	22

c. High Voltage Preferences

As it is shown in the below figures, the values can be changed on the first two segment buttons. Once the value segment is selected, the user can adjust the values via rotating the knob on the device.



High Voltage and Current Adjustment Segments

The adjustments set the upper limits of both the High Voltage and Current Values. The values can change while gun operation, according to the coating application, and the type of workpiece. These values will also change according to the length between the workpiece and the tip of the gun. Once the gun is triggered the values can be read on the same segment.

Info: The upper limit of the High Voltage is 100 kV and the current output limit is 100 μ A.

d. Air and Powder Adjustments

E-COAT+3 PRO Powder Coating Device includes manually adjustable pneumatic regulators with manometers. From top left to bottom right these are:

1. Supplementary Air
2. Powder Air

Powder Transfer Air  , Supplementary Air .



E-COAT+3 PRO Pneumatic Adjustment Regulators

3.5. Trigger

When triggered the Electrostatic Powder Application Control unit will start applying static electricity to the sprayed powder paint.

The trigger configuration can be done in two different ways

1. Using the gun trigger. (In a manual configuration)
2. If the POWER IN socket on the control unit is fed from the number three (3) meaning the terminal control unit's POWER IN socket number 3 feed, starting up a preconfigured equipment will be done via pressing the B1 interface button. If the control unit is active led will be lit. If the number three (3) cable socket is fed the powder paint will be blown it will be statically loaded.

Warning: The 1.0 coded POWER IN socket's inner connections and the fuse connections at the other end should be done by the ELECTRON technicians at the installation. Electron does not accept any responsibility for the possible damage if the equipment is altered or used before installation.

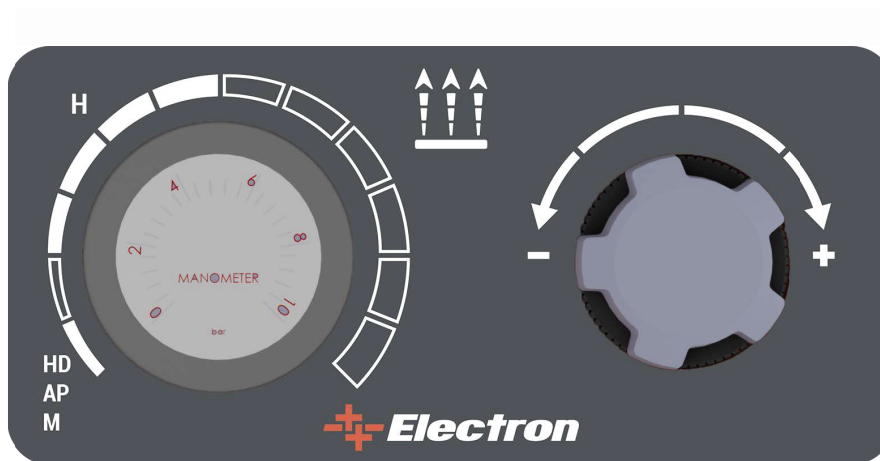
C1 Parameter	B1 Button Status	System Operation
0 = Automatic	 Enabled	The device is ready to be triggered. The device will be triggered when mains phase voltage is applied to pin #3 of POWER IN socket.
	 Disabled	The device is disabled to be triggered. The device will not be triggered when mains phase voltage is applied to pin #3 of POWER IN socket.
1 = Manual (w/or w/out hopper)	 Enabled	AUX socket is powered continuously.
	 Disabled	AUX socket is disabled.
2 = Manual (Multicolor/Stirrer)	 Enabled	AUX socket is powered depending on triggering. AUX is kept powered during triggering and turns off after the time defined in parameter C3 following trigger release.
	 Disabled	AUX socket is disabled.

B1 Button Function Table

Pressing the gun trigger on the manual gun or using the electrical trigger on the automatic gun, if the high voltage and the air/ powder ratio adjustments are done, the guns will be spraying statically loaded powder paint.

The user can observe this occurrence from the green lit led (D-T marked)  in front of the control unit.

3.6. Fluidization



Fluidization control Panel

A “Fluidization Control Panel” is placed on the mobile device carrier for the operator to easily adjust the fluidization pressure for H type devices with hopper or M type devices with box fluidized suction tubes. Turning the regulator knob counter-clockwise will decrease or clockwise will increase the applied pressure to the fluidization nozzle in the system. The green and red areas are signed to indicate the approximate operating pressure values for the fluidization air. The fluidization will start in parallel with the vibration motor when the device is triggered if the  button is enabled for “M” type multicolor sets.

4. E-FEED+3 INJ Product Description

4.1. Usage Area

The E-FEED+3 INJ Injector is used for conveying the organic type of powder paint used in the industry from any paint hopper to the spray gun where the application is made. E-FEED+3 INJ powder paint injector is supplied ready to use together with special PTFE material made of Teflon bushing and filter module.



E-FEED+3 INJ Powder Coating Injector

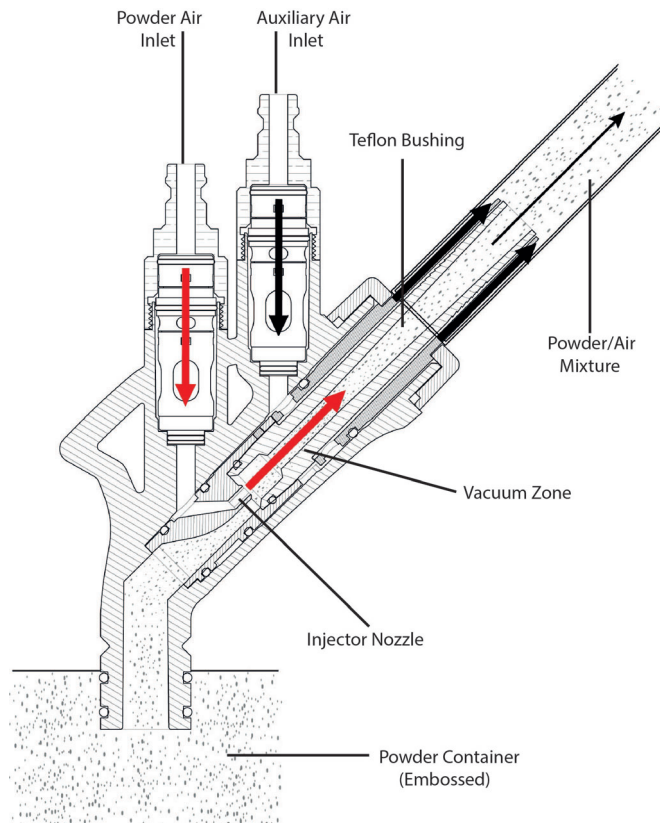
Explosion Protection	Zone
  II 3 D	22



NOTE: The explosion protection class mentioned above is only valid if the E-FEED+3 INJ Powder Coating injector is used with “Anti-Static with Discharge Line” type powder paint hoses and the electrical resistance from the injector body to the application field is below 1 Mohm.

4.2. Injector Structure and Powder Coat Transfer Principle

As a result of aerodynamic rules, the air exiting a nozzle creates a vacuum at the recess inlet, which is proportional to the fluid velocity when it is directed from the suction line to a narrower recess as shown in the picture below. This vacuum allows the powder paint to be sucked into the recess through the chamber where the fluid velocity is low and rapidly enters into the line leading to the gun. This physical condition, also known as the venturi effect, allows the powder coating to be dispensed from a desired reservoir to the application gun.



Injector Working Principle and Pneumatic Flow Paths

As can be seen in the picture above, the powder coating / air mixture is sucked from the powder coating hopper and carried to the paint hose and then to the powder paint application gun. The paint density of the powder coating / air mixture coming out of the gun tip is adjusted with the “Auxiliary Air” and “Paint Air” settings, and the paint quality, injector teflon bushing abrasion rate, hose metering, hose curl and turn number, hose diameter, gun outlet nozzle type and height varies between the injector and the gun. As a general rule, the Teflon bushing, which has the highest effect on the powder output rates, should be specifically monitored and replaced as a consumable material.

5. Powder and Mixture Value Tables

5.1. E-FEED+3 INJ General Usage Value

The amount of air flowing through the hose and the paint ratio must be adjusted correctly to ensure correct paint output patterns in powder coating application guns. This flow rate is approximately 65-85 lt/min (4-5 m³/s) in a Ø11mm paint hose, while it is approximately 50-85 / min (3-5 m³/s) in a Ø10mm hose. In general, the lowest air flow and paint output flow can be achieved by using a Ø10mm type hose in powder coating applications and a Ø12mm type hose should be used when high amount of paint output is desired. As a general rule, irregular paint output and vomiting at the paint output indicate insufficient hose air flow and the flow level should be increased.

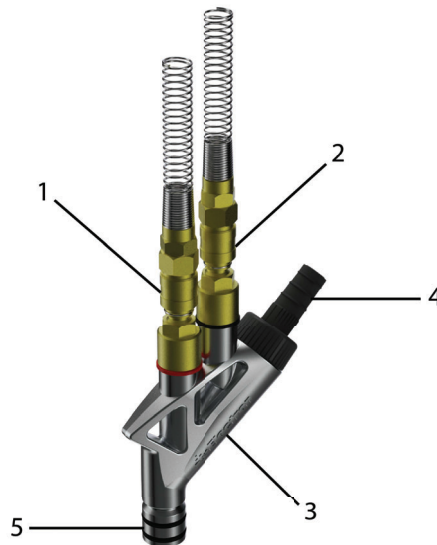
E-FEED+3 INJ General Usage and Test Conditions	
Powder Paint Type	Polyester/Epoxy
Powder Hose Ø (mm)	11
Powder Hose L (m)	7

5.2. Use of E-COAT+3 Series Devices with E-FEED+3 INJ

E-COAT+3 Series devices are divided into 2 different control units. These are called E-COAT+3 Pro and E-COAT+3 Master in increasing order according to the option levels. While the E-COAT+3 Master is able to keep the total air flow in the powder hose between the E-FEED+3 INJ powder coating injector and the powderspray gun fully automatic at the total air volume set on the screen, this setting can be set on the E-COAT+3 Pro. It must be made by the user through the manometer regulators located on the front panel of this device.

6. Cleaning and Maintenance

6.1. Injector Cleaning



1. Quick Coupling
2. Auxiliary Air Filter Module
3. Injector Body
4. Conductive Hose Connection
5. Powder Inlet / Hopper Connection

E-FEED+3 INJ injector surface cleaning procedure is as follows.

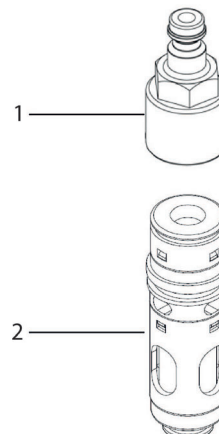
1. Disconnect the injector from the Hopper.
2. Remove the powder coating hose from the Conductive Hose Connector (4).
3. Clean the Hose Connection with oil and water-free compressed air.
4. Thoroughly clean the injector body (3) with oil and water-free compressed air, including the interior of the Powder Inlet / Hopper Connection (5). When pressurized air is applied to the Powder Inlet Area (5), Check to it will exit from the Hose Connection (4).
5. Install the syringe in place on the reservoir and insert the powder coating hose into the Hose Connector (4).



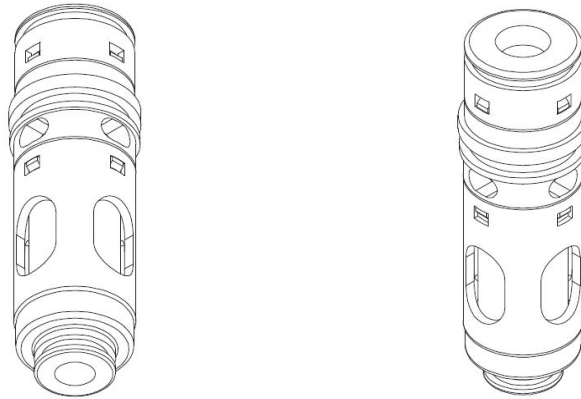
Note: If the injector contains heavily molded paint and the surface cleaning is insufficient, the E-FEED+3 INJ must be completely disassembled and thoroughly cleaned. Disassemble all parts using the correct wrenches.

Rinse all parts with compressed air. Do not scrape off air-clean and stereotyped remnants. Cellulosic thinner can be used for cleaning these parts if necessary. Do not use acetone, do not scrape solidified residues. Never expose the Filter Modules and the white solid filters contained in them to any liquid or solvent. Clean only with air. Replace if necessary.

1. Filter Module Quick Connect Hose Adapter
2. Filter Module

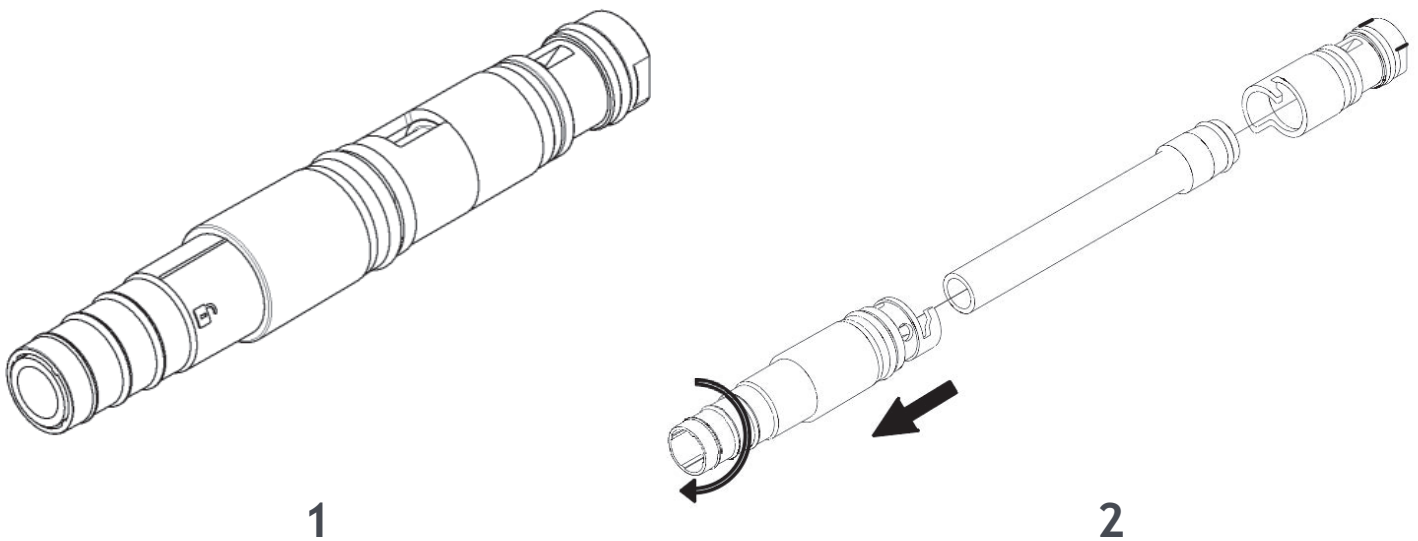


6.2. Filter Module



The new filter system has a design that allows air to pass through the microporous part, but filters the powder paint, and also controls the direction of the air in the injector with a flexible gasket that provides unidirectional air conduction. Thus, the dust barrier developed prevents the coating dust from entering the air supply path in a direction opposite to the air flow direction and allows rapid color change during the cleaning process without the need to disassemble any parts.

6.3. Teflon Bushing Module



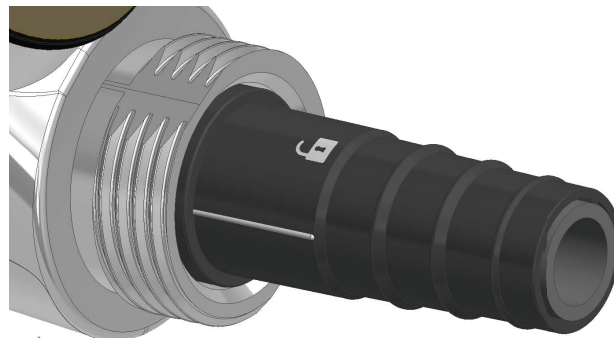
E-FEED+3 INJ Powder Transmission System

In the 1st image, the powder transmission system is assembled. The teflon bushing must be rotated and attached to the injector nozzle and ensure that it is in place. The disassembled version of the powder transmission system is seen in the 2nd image.

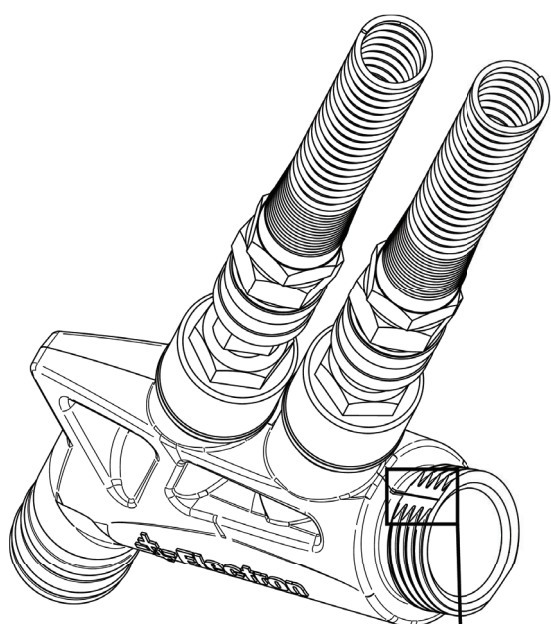
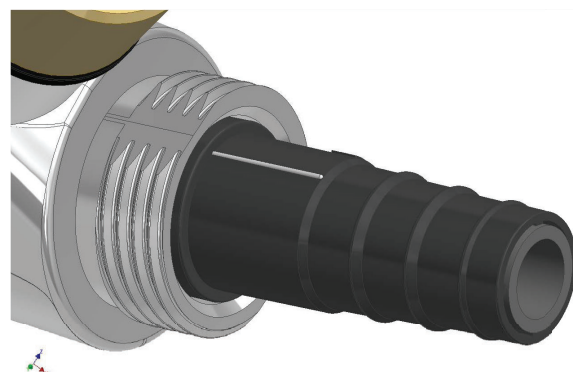
6.4. Injector Nozzle Assembly Module

The injector nozzle assembly can be removed and installed in two simple movements.

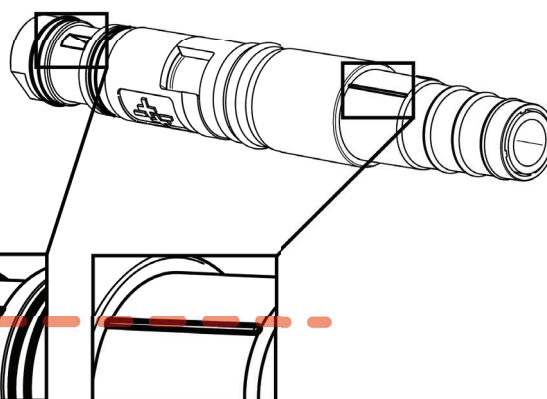
As seen in the first image, the hose coupling and teflon bushing set can be removed one by one when the assembly is in the unlocked position when rotated.



As seen in the second image, when the lock line of the assembly is aligned with the injector line, the assembly is in the locked position and the entire injector nozzle, teflon bushing and hose coupling set (Powder Transmission System) can be removed.



Connection of the Powder Transmission System with teh E-FEED+3 INJ



Warning: When attaching the powder transmission system to the injector, the areas shown on the parts of the system must be aligned with the shown line on the injector body.

6.5. General Cleaning

6.5.1. Gun Body Cleaning

Daily:

Clean the body of the gun with pressurized air and a clean towel.

Remove the nozzle torque nut.

Remove the gun nozzle and the electrode and clean the gun with pressurized air.

Weekly:

Remove the powder paint hose.

Clean the powder paint input of the gun with pressurized air.

Clean the powder paint hose starting from the injector.

6.5.2. Nozzle Cleaning

Every other shift or at the end of a working day:

1. Remove the nozzle torque nut.
2. Remove the gun nozzle and clean both the electrode and the nozzle.
3. Clean all the powder thoroughly. Never try to scratch the paint with a strong material.

Weekly:

4. Check the nozzle group for scratches. Change the nozzle group using the spare parts list if needed.

6.6. Maintenance

E-GUN C2 type manual powder coating gun is designed to be maintained with minimum effort.

1. Clean the powder gun body with a clean towel.
2. Make an eye check on the gun cable and input hoses.
3. Change the powder and pneumatic hoses if needed.

Part Change

The user can only change the consumables of the gun and some of the E-GUN coating gun parts.

Note: Operations like Changing the Cascade, Trigger mechanism or Gun Cable can only be done by an ELECTRON® approved personnel.

7. Troubleshooting

Failure	Possible Failure Reason	Solution
There isn't any output High Voltage or Powder Output.	1. Gun cable is disconnect 2. Gun cable is damaged 3. Short Circuit or damage in the Gun Trigger grouping	1. Contact Electron
The interface buttons are not working as intended.	1.The Control Unit front panel membrane has a short circuit or damaged. 2.The Control Unit is not correctly configured.	1. Check configuration
The rotary Knob is not changing any values on the screen.	1. The segment is not chosen 2. The Knob is damaged	1. Please select the segment that you want to change. 2. Check the Rotary Knob Nut.
Powder Paint is being blown from the gun but the paint doesn't hold on the material. (No High Voltage Output)	1. The material is not earthed 2. The kV parameter is set to 0 3. The signal from the gun does not reach to the Cascade.	1. Earth the material or improve the grounding. 2. Set the kV parameter above 0 3. Contact Electron
The gun trigger is working and the High Voltage is working but there is no powder output.	1. Blockage in the powder route 2. Tearing or disconnection between the injector and the control unit.	1. Remove the blockage in the powder route. 2. Change the Air or Powder Ratio other than 0 on the control unit. 3. Remove the blockage or fix the disconnection.
Pressing the trigger doesn't start the control unit (The LED in front of the control unit is not lit)	1. Gun trigger is damaged	1. Consult an ELECTRON expert
Parameters at the installation are configured but the powder pattern is not well.	1. Teflon bushing in the injector's nozzle cycle is ended. 2. Nozzle life cycle is ended. 3. Pneumatic hoses are damaged/broken or plugged. 4. The air channels are plugged.	1. Change the Teflon bushing. 2. Change the nozzle 3. Fix the pneumatic hoses or change them if needed. 4. Clean the injector and the filters. Change any necessary parts.

8.Parts and Accessories



1



2



3

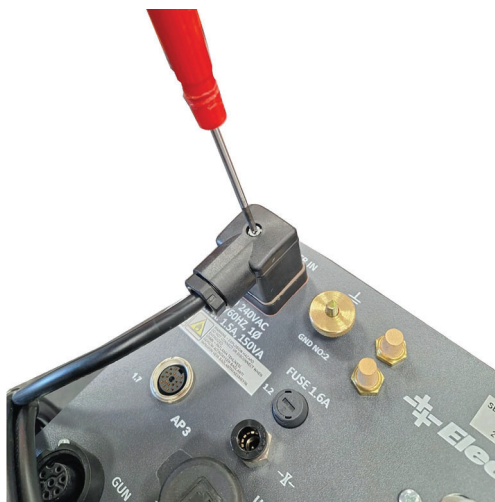


4

Product	Product Name	Order Code
1	E-COAT+3 PRO A AUTOMATIC POWDER COATING DEVICE	A06ECA04A+3
2	E-COAT+3 PRO B MANUEL POWDER COATING DEVICE (A110V)	A06ECM04B+3-A110V
3	E-COAT+3 PRO H MANUEL POWDER COATING DEVICE (A110V)	A06ECM04H+3-A110V
4	E-COAT+3 PRO M MANUEL POWDER COATING DEVICE (A110V)	A06ECM04M+3-A110V



Order Code	Part Name	Wearing Part	RECOMMENDED STOCK PARTS
B07POWER01-A110V	E-COAT MANUAL POWDER COATING MACHINE POWER CABLE (3m) (A110V)	N/A	✓
B07POWER02	E-COAT AUTOMATIC DEVICES POWER CABLE (4 m)	N/A	✓

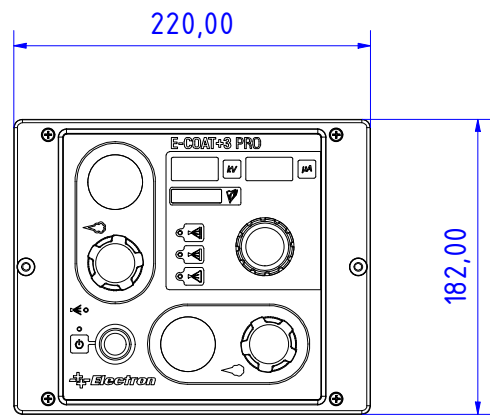
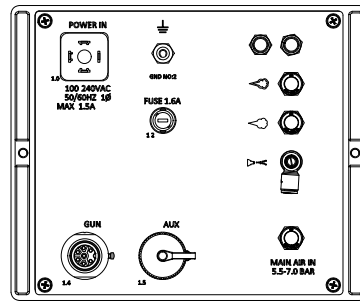


After the socket is installed, the screw must be tightened. The fastening torque is 0.5-0.6 Nm.

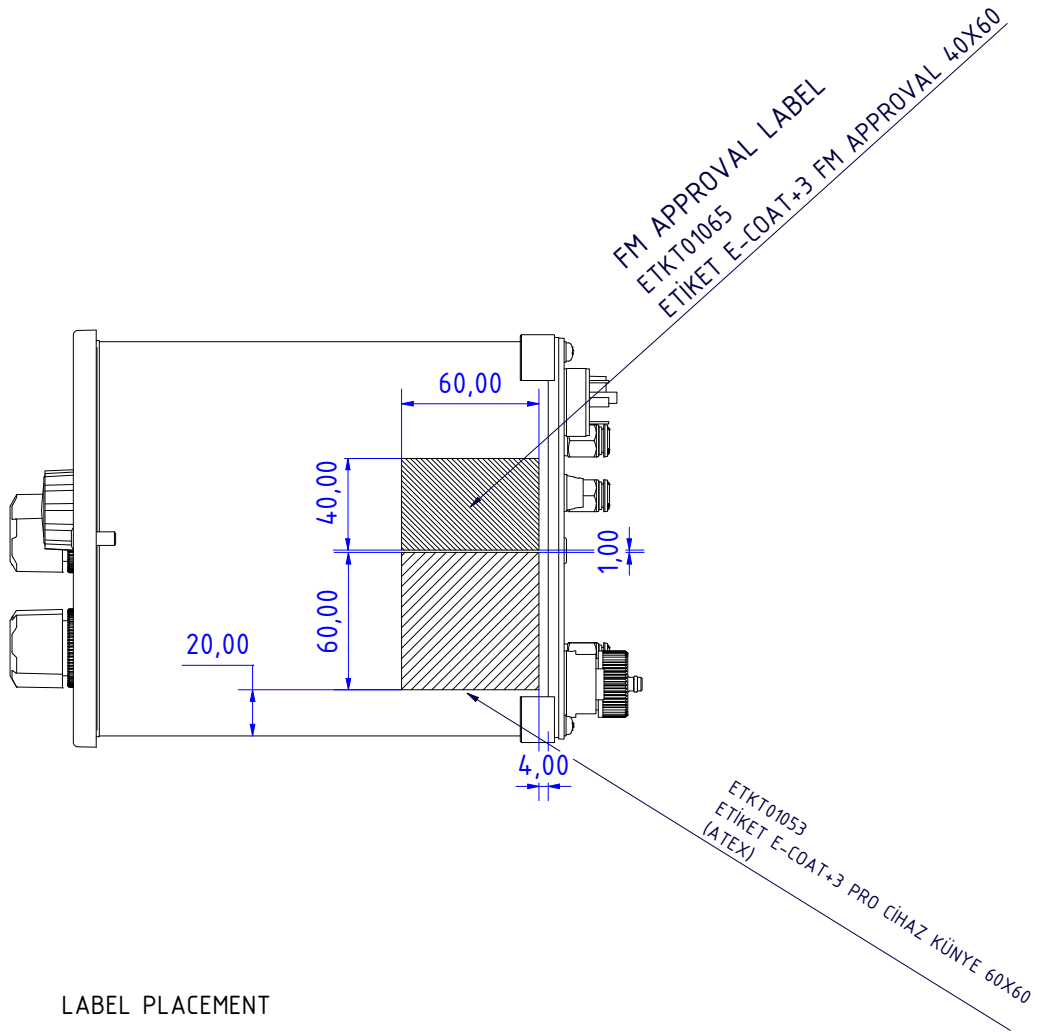


WARNING - EXPLOSION HAZARD.
DO NOT CONNECT OR DISCONNECT WHEN ENERGIZED.

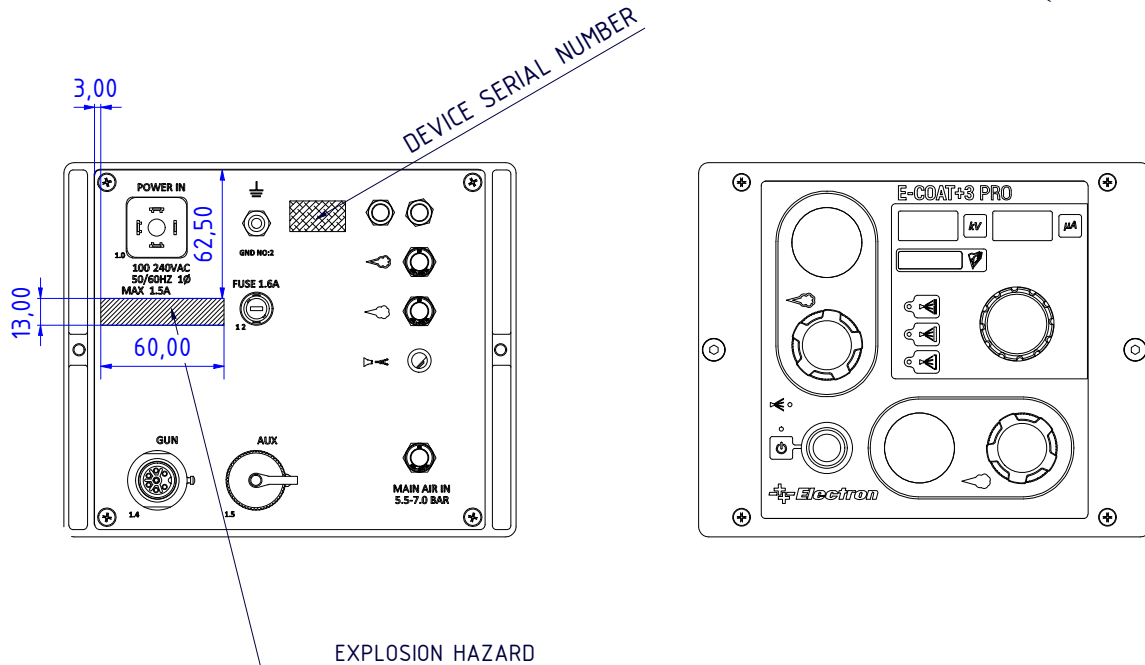


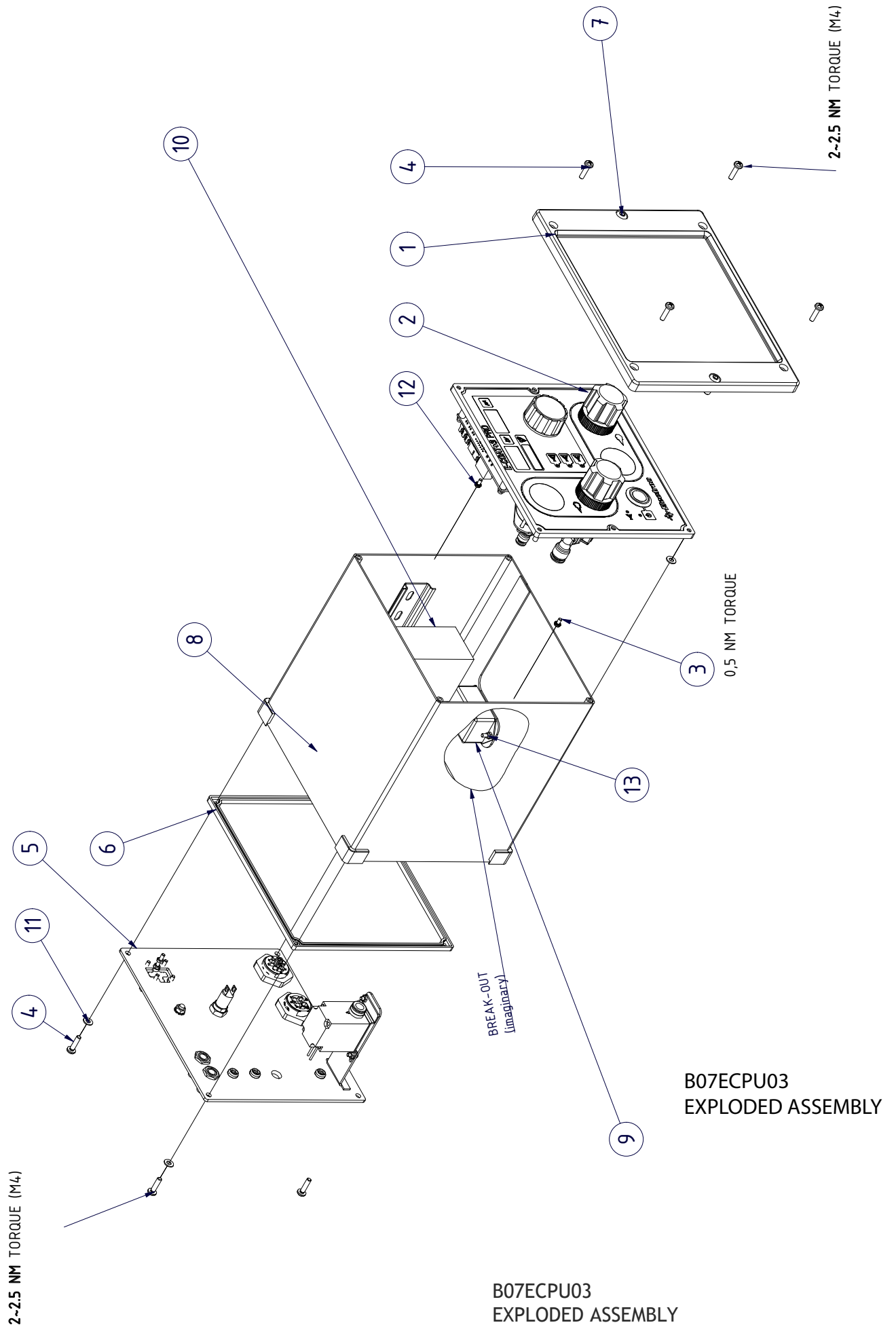


-35-

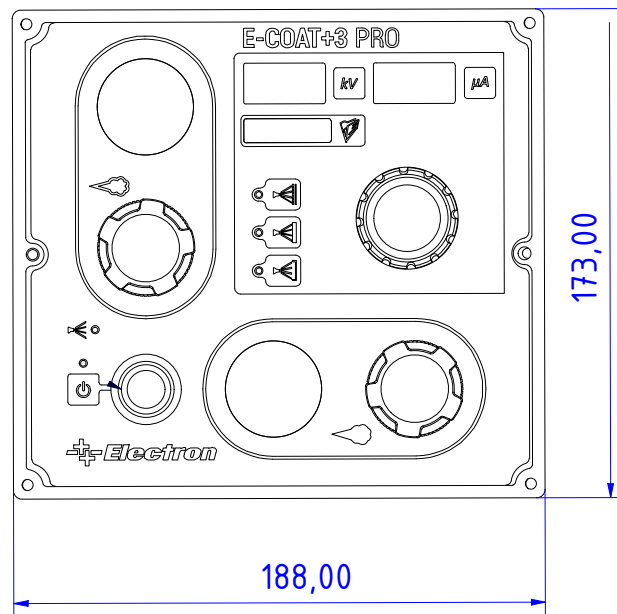
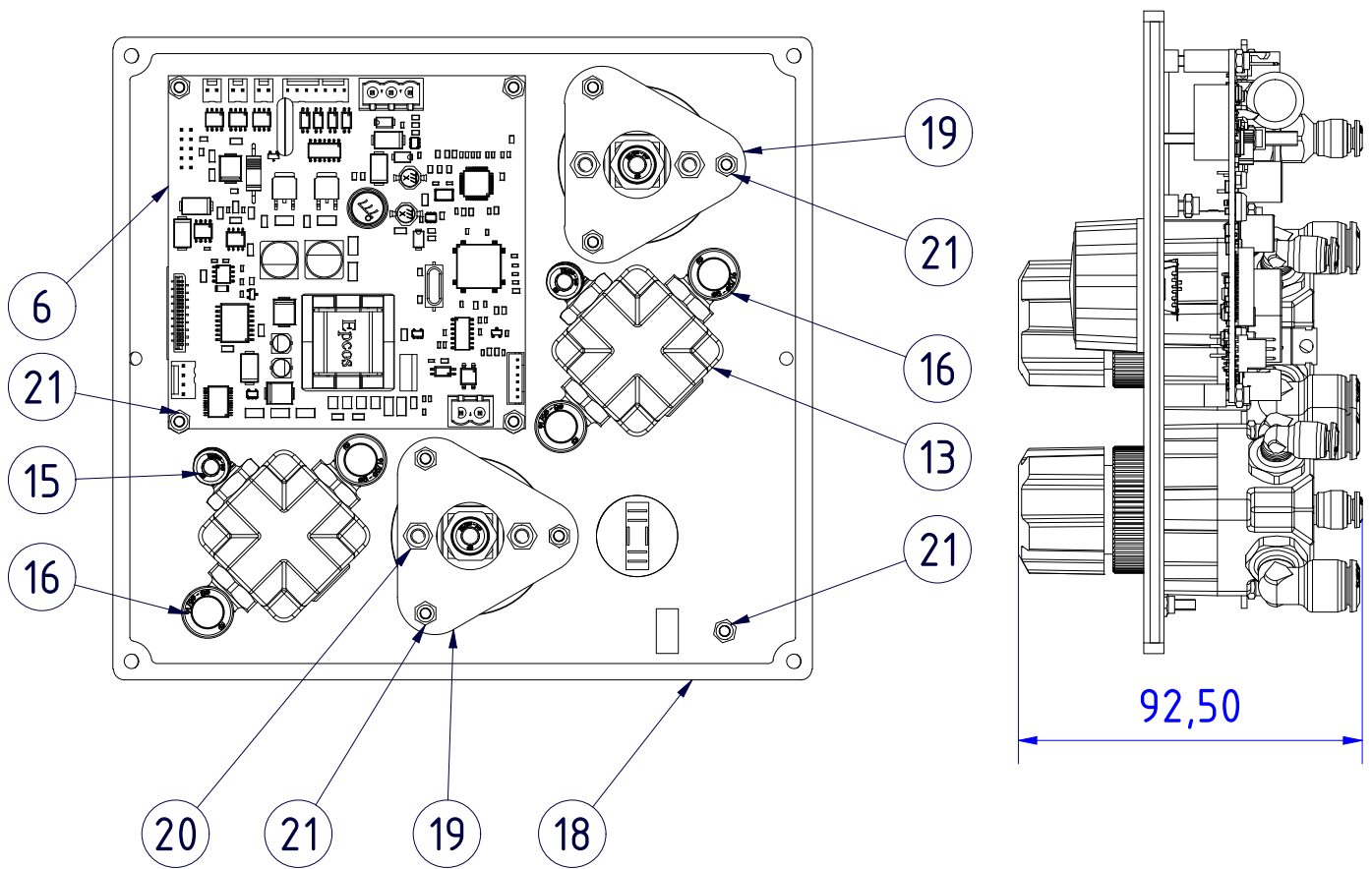


LABEL PLACEMENT

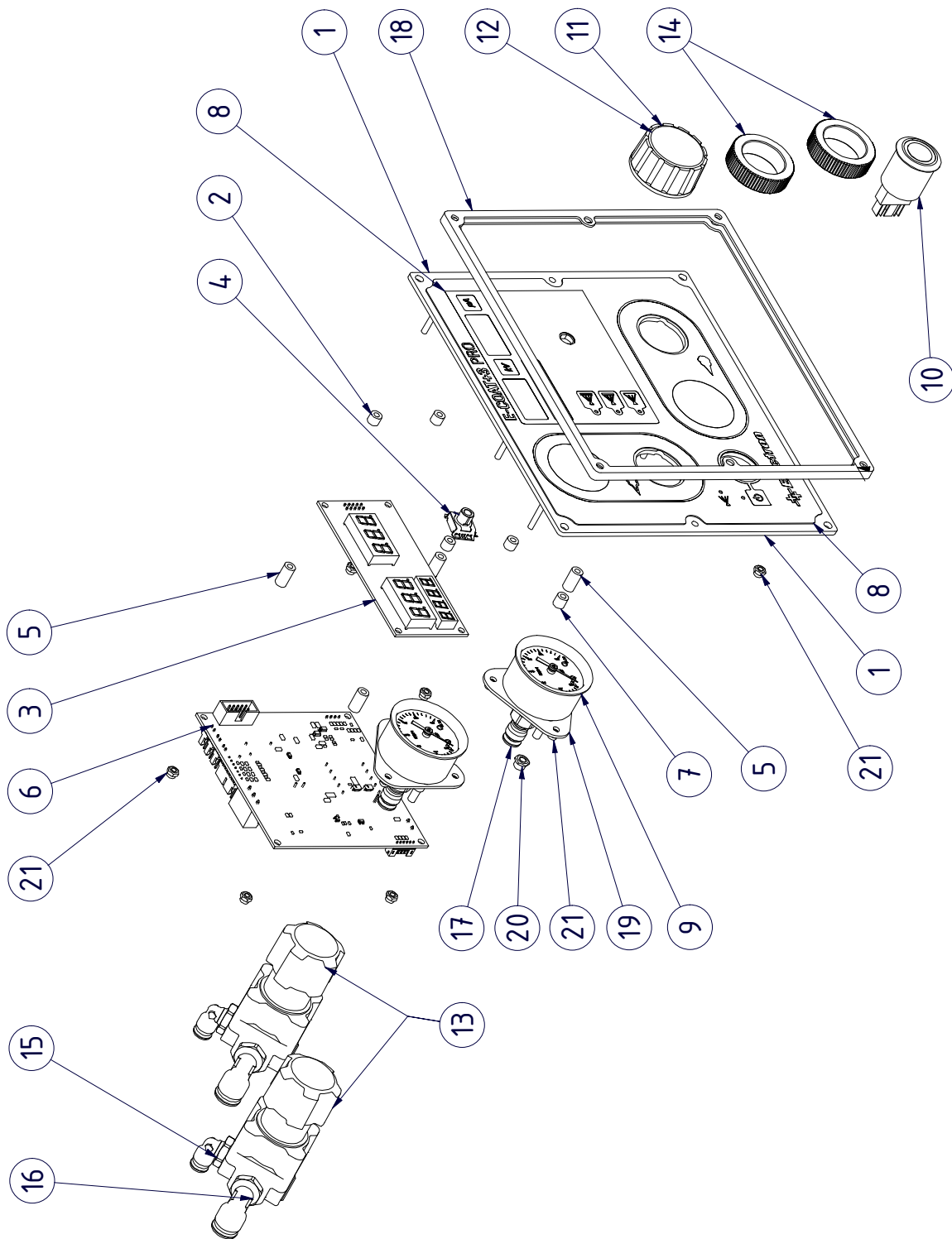




ITEM	QTY	STOCK NUMBER	DESCRIPTION
1	1	B07EC5108	ENEM02016 - E-COAT+3 DEVICE CASE FRAME
2	1	B07EC3004U	E-COAT+3 PRO FRONT GROUP ASSEMBLY (FM)
3	2	BECV01058	SCREW M3X6 YSB
4	8	BECV01009	SCREW M4X15 YSB
5	1	B07EC3005U	E-COAT+3 PRO BACK GROUP ASSEMBLY (FM)
6	1	IZCS01017	E-COAT+3 MASTER BACK SEALING GASKET
7	2	BECV03029	BUTTON HEAD ALLEN SCREW M6X16 DEVICE FRAME
8	1	B07EC5101	E-COAT+3 DEVICE CASE
9	1	ELON05003	EMI LINE FILTER – 3A DELTA 03DBAG5 1P 115V/250VAC
10	1	ELON10022	SMPS MEANWELL EPS65-24V 65W DIN RAIL TYPE
11	4	BEPL03002	M4 WASHER
12	2	BEPL04007	M3 SERRATED WASHER
13	2	BESM02009	M3 FIBER LOCK NUT

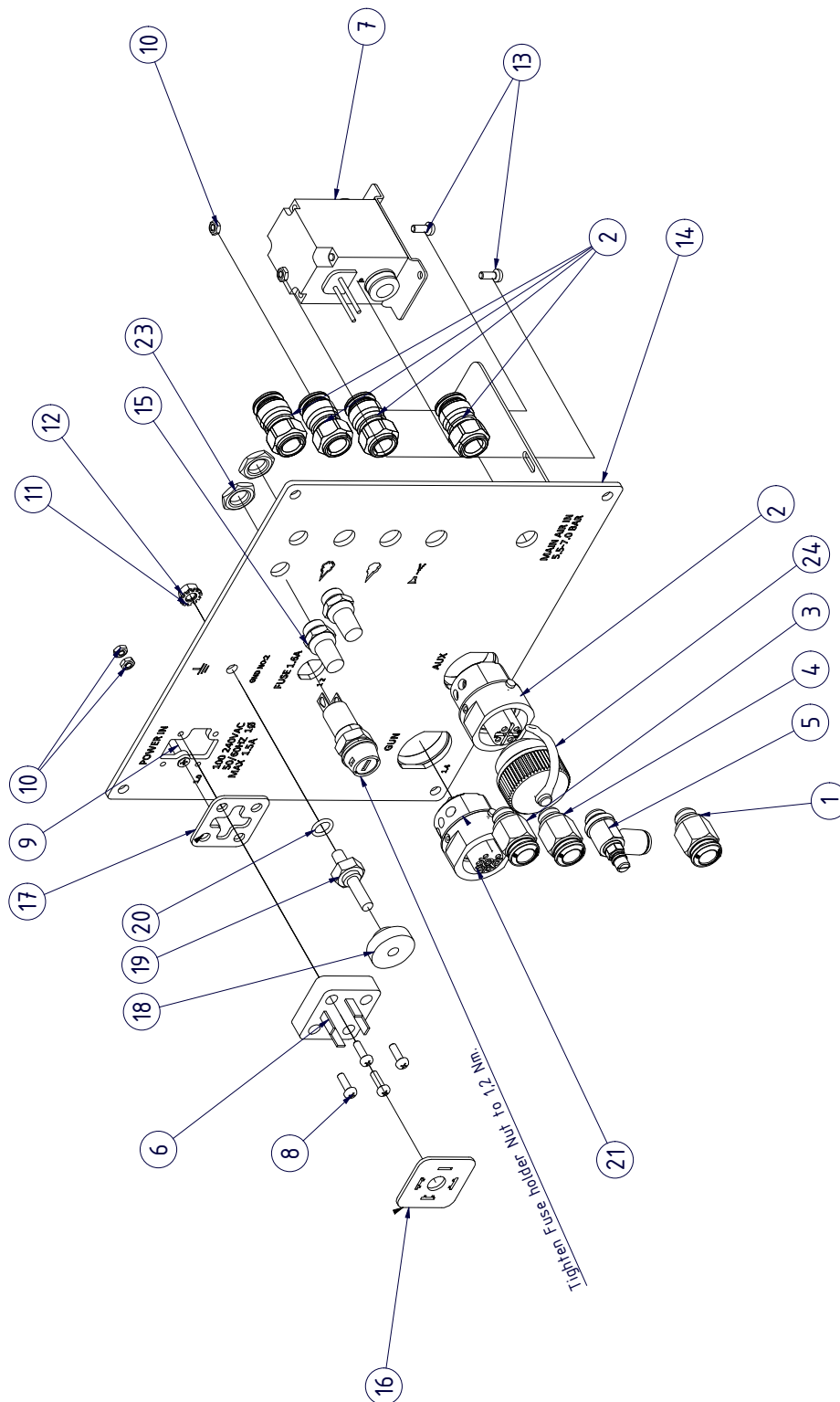


B07EC3004U
E-COAT+3 PRO FRONT GROUP ASSEMBLY

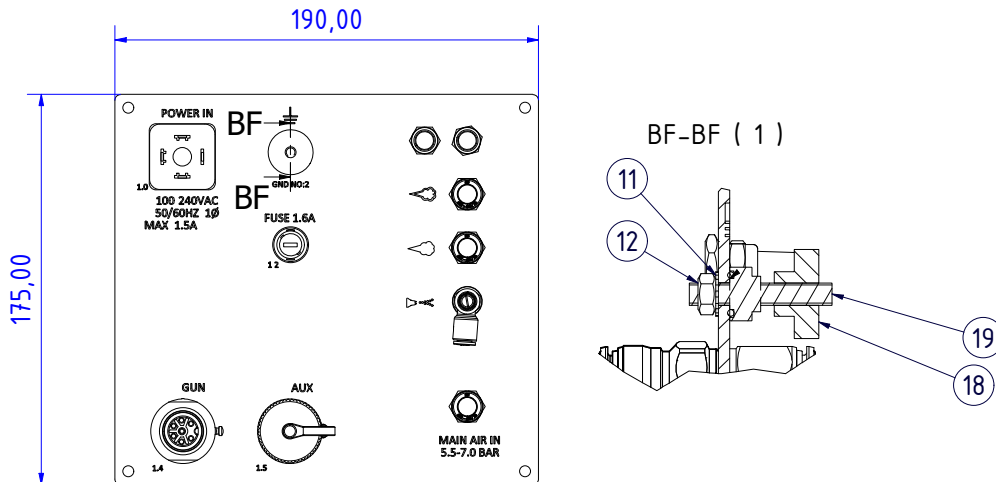


B07EC3004U
E-COAT+3 PRO FRONT GROUP ASSEMBLY

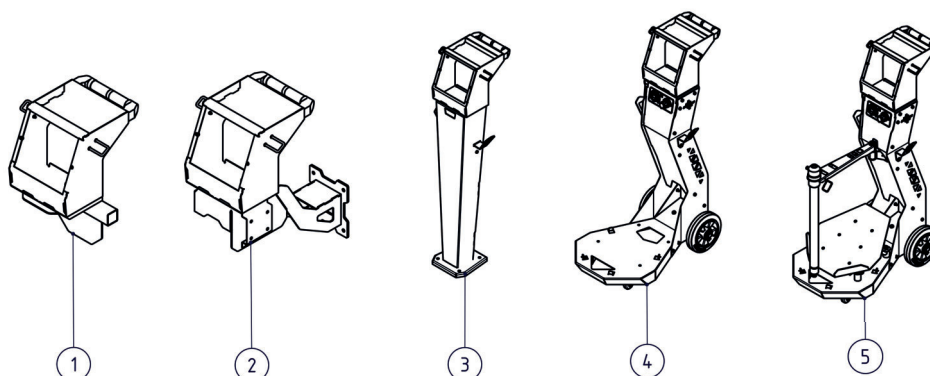
ITEM	QTY	STOCK NUMBER	DESCRIPTION
1	1	B07EC5016U	E-COAT+3 PRO FRONT ALM SHEET ASSEMBLY
2	4	ELDE05004	PLASTIC SPACER 5 MM (YP-705)
3	1	ELON09004	E-COAT PRO LED CARD (7 SEGMENT – WITHOUT PROGRAM)
4	1	ELON12002	INCREMENTAL ENCODER ELMA E33
5	4	ELDE05006	PLASTIC SPACER 12 MM (YP-712)
6	1	ELON09003	E-COAT PRO/BASIC MAIN BOARD (WITHOUT PROGRAM)
7	2	ELDE05005	PLASTIC SPACER 6 MM (YP-706)
8	1	ETKT04022	E-COAT+3 PRO FRONT MEMBRANE (PRESSURE GAUGE INSIDE TYPE)
9	2	PNPE07003	PNEUMATIC MANOMETER Ø40X6 BAR
10	1	ELBS01001	0-1 SWITCH Ø22 STAINLESS ONPOW ORANGE RING LED (LAS1-GQ-11E)
11	1	ELON12003	ROTARY KNOB ELMA 020-645
12	1	ELON12004	ROTARY KNOB COVER ELMA 040-6015
13	2	PNPE01001	REGULATOR SMC 1/4 ARX20-F02 0-8.5 BAR
14	2	PNPE01003	SMC ARX REGULATOR PANEL FIXING NUT
15	2	PNRD03001	FITTING 1/4 Ø4 SHORT MALE SWIVEL ELBOW
16	4	PNRD01035	SWIVEL ELBOW FITTING 1/4 - Ø8 SHORT MALE
17	2	PNRD01031	STRAIGHT FITTING 1/8 - Ø4 FEMALE
18	1	IZCS01016	E-COAT+3 FRONT SEALING GASKET
19	2	B06CE21004UM	E-COAT+3 PRO MANOMETER CONNECTION SHEET METAL
20	4	BESM02001	FIBER LOCK NUT M4
21	13	BESM02009	FIBER LOCK NUT M3



B07EC3005U
E-COAT+3 PRO BACK GROUP ASSEMBLY



ITEM	QTY	STOCK NUMBER	DESCRIPTION
1	1	PNRD01011	FITTING 1/8 - Ø8 PNEUMATIC MALE STRAIGHT ORANGE
2	4	PNRD01027	FITTING 1/8 - Ø8 FEMALE STRAIGHT
3	1	PNRD01042	STRAIGHT FITTING 1/8 - Ø8 MALE BLUE
4	1	PNRD01016	FITTING 1/8 - Ø8 MALE RED
5	1	PNRD03035	FLOW CONTROL ELBOW FITTING 1/8 - Ø6
6	1	ELKS10004	VALVE SOCKET GSA3000 A TYPE HIRSCHMANN
7	1	PNPE04011	SOLENOID VALVE
8	4	BECV01002	SCREW M3X10 YSB
9	1	BECV02002	SCREW M3X15 YHB
10	4	BESM01002	NUT M3
11	1	BEPL04008	M5 SERRATED WASHER
12	1	BESM01004	COATED NUT M5
13	2	BECV01001	SCREW M3X8 YSB
14	1	B07EC5017M	E-COAT+3 PRO CONTROL BOX REAR SHEET METAL PARTS
15	2	PNDP01014	SILENCER FILTER SINTER BRONZE TYPE
16	1	ELKS10002	HIRSCHMANN CONNECTOR HIRS-731 739-004
17	1	ELKS10003	HIRSCHMANN SEAL HICON-730843002
18	1	TRTM05017	GROUNDING NUT (M5X20)
19	1	TRTM05039	E-COAT+3 DEVICE GROUNDING PART
20	1	IZOR01019	O-RING Ø7X1.5 VITON (FKM) 70-75 SHORE A BROWN
21	1	ELKS03023	BINDER SOCKET RD24 VIDALI 7 PIN
22	1	ELDE06006	INSULATED RING LUG M6 6.3-31010310
23	2	BESM03004	LOCK NUT 1/8
24	1	ELKS03009	PROTECTIVE CAP BINDER RD24
25	1	ELKS03024	BINDER SOCKET RD24 4 PIN PANEL CONNECTOR



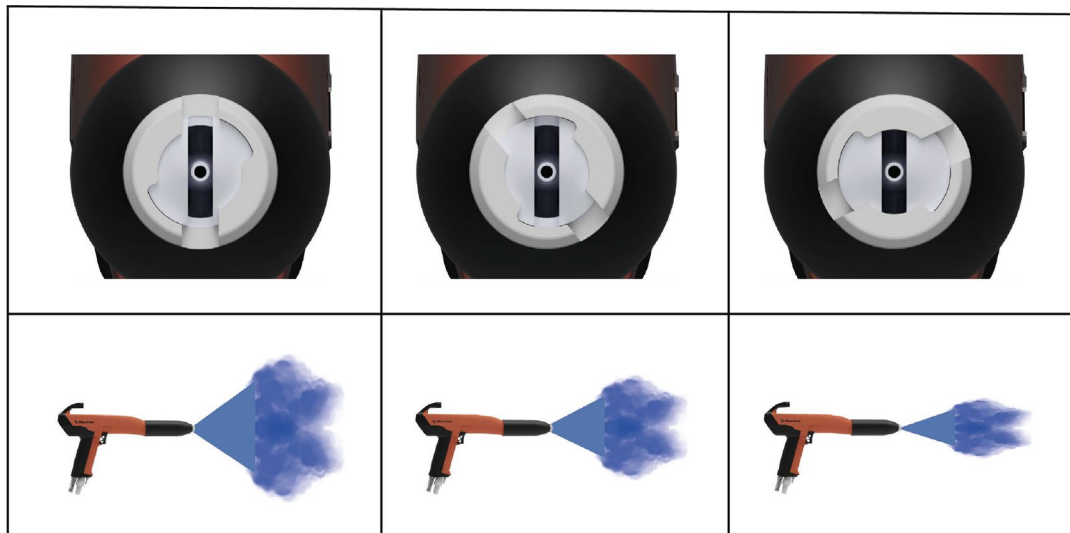
Part No	Accessory Type	Order Code
1	E-COAT+3 PLATFORM MOUNTING KIT	B07ECT004+3
2	E-COAT+3 WALL MOUNTING KIT	B07ECT003+3
3	E-COAT+3 SINGLE STAND KIT	B07ECT005+3
4	E-COAT+3 DEVICE CART HOPPER PRO (US VERSION)	B07ECT119
5	E-MULTICOLOR+3 DEVICE CART (A-110V)	B07ECT109



Part No	Order Code	Part Name	Wearing Part
1	B07EGC200+3	E-GUN+3 C2 MANUEL POWDER COATING GUN	N/A



Part No	Order Code	Part Name	Wearing Part	RECOMMENDED STOCK PARTS
1	TRTM03112	E-GUN+3 FLAT CAP PATTERN ADJUSTER	N/A	✓
2	B07EGC200+3	E-GUN+3 C2 MANUAL GUN	N/A	N/A
3	B07EGC300+3	E-GUN+3 C3 AUTOMATIC GUN (Not Shown)	N/A	N/A
4	B07EGC100+3	E-GUN+3 C1 MANUAL GUN	N/A	N/A



STANDARD PATTERN

NARROW PATTERN

FOCUSED PATTERN

The Pattern adjuster attached to the tip of the manual or automatic gun ensures that the paint coming out of the gun is formed in a narrowed form. It is used by rotating and has three positions.

- 1.Standard Pattern
- 2.Narrow Pattern
- 3.Focused Patern

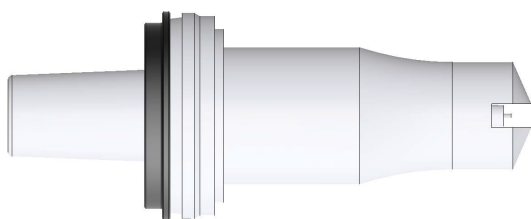
The pattern adjuster ensures that the powder paint reaches the deepest points of the recessed parts. It is recommended for use in coating parts with recesses or complex geometry.



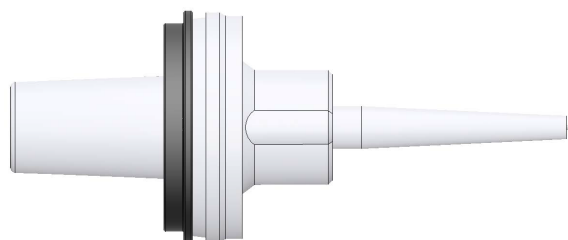
Only for white tip gun



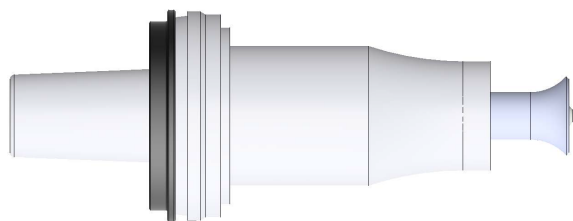
White Tip



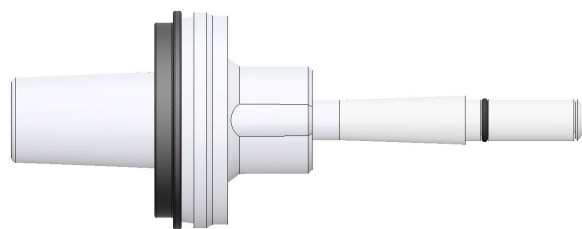
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2

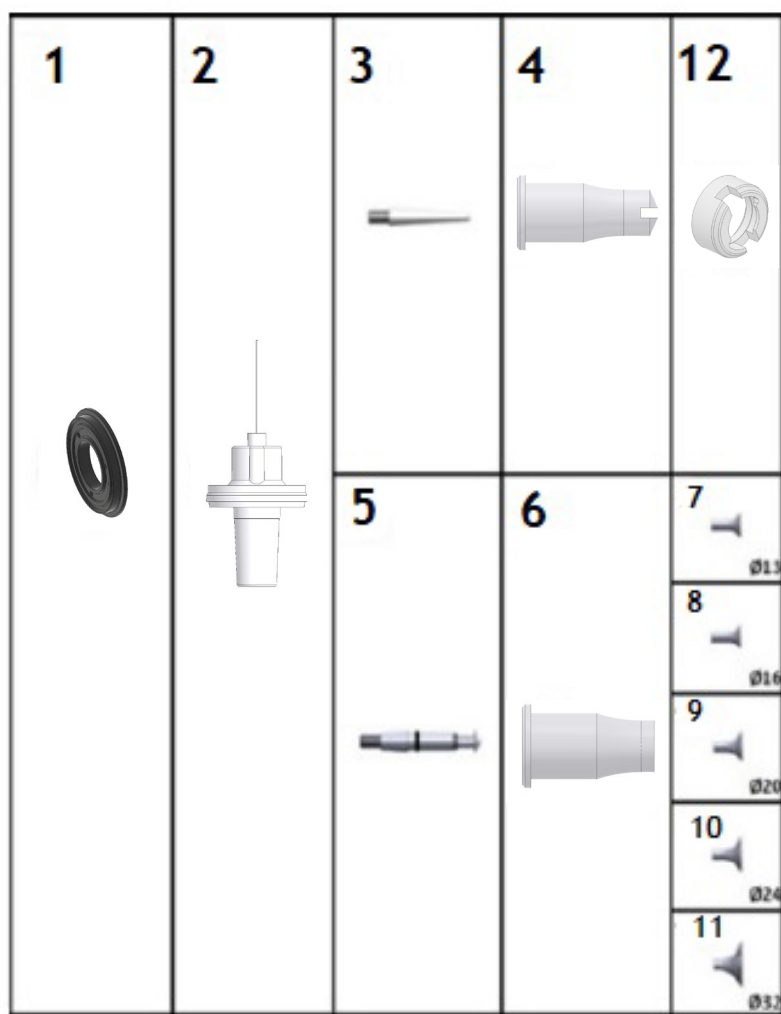


3



4

Part No	Order Code	Part Name	Wearing Part	RECOMMENDED STOCK PARTS
1	B07531002K	E-GUN+3 FLAT HEAD GROUP (KAD. KARBON)	✓	✓
2	B07531006K	E-GUN+3 ELECTRODE GROUP	✓	✓
3	B07531008K	E-GUN+3 FLAT HEAD GROUP WITH DEFLECTOR	✓	✓
4	B07531007K	E-GUN+3 HEAD GROUP WITH DEFLECTOR	✓	✓

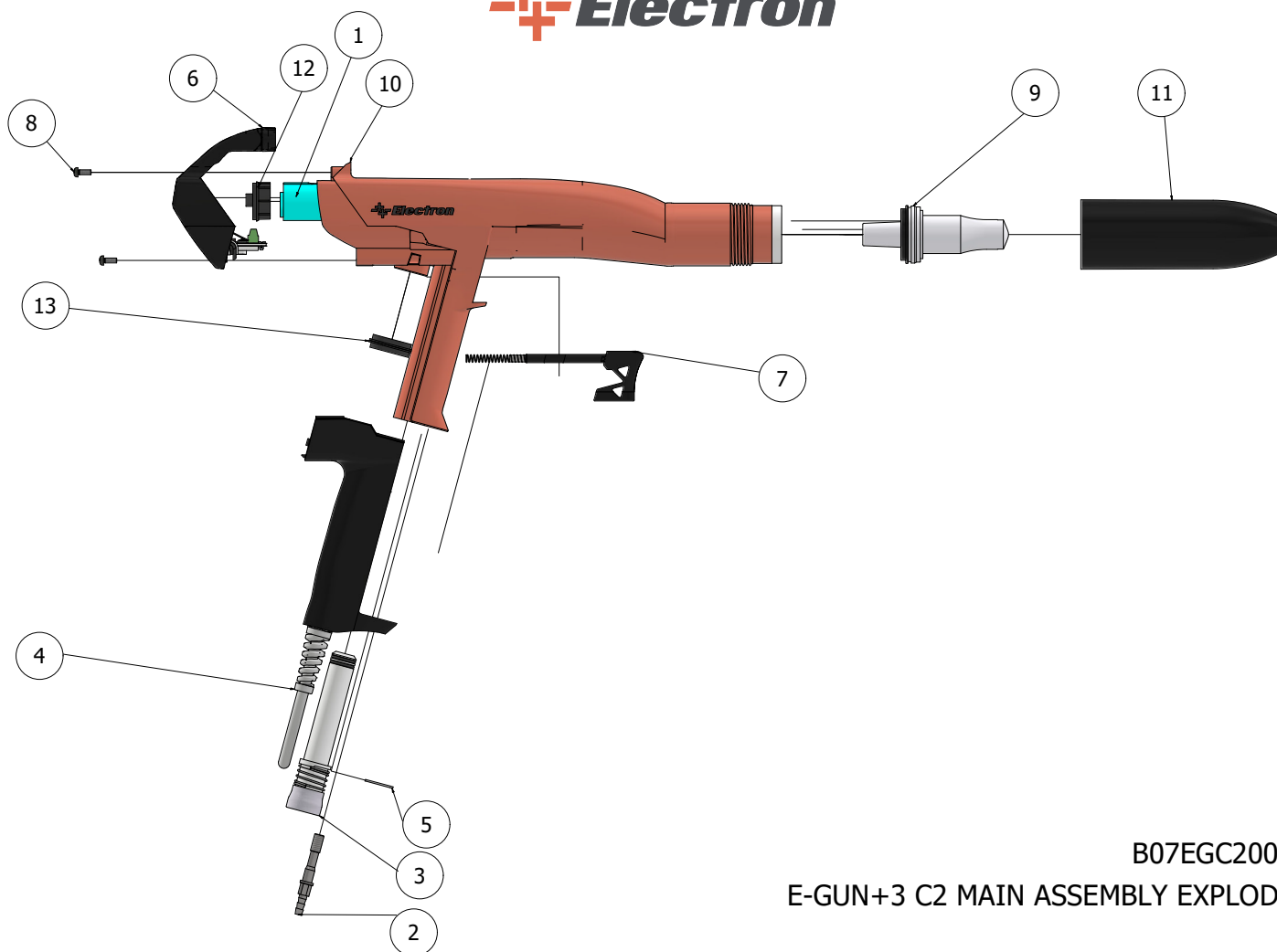


Only for white tip gun



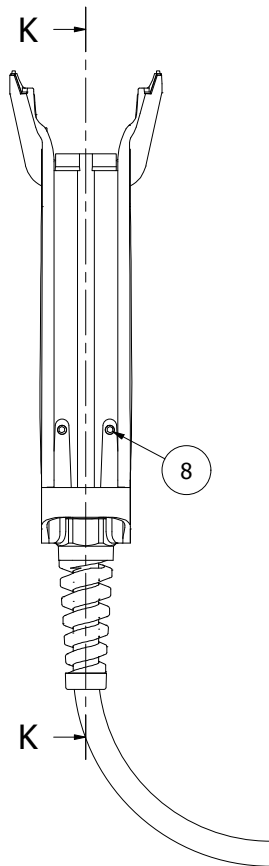
White Tip

ITEM	STOCK NUMBER	PART NAME	WEARING PART	RECOMMENDED STOCK PARTS	WHITE TIP	ORANGE TIP
1	TRTM08470	E-GUN+3 Ø35 STEPPED CARBON RING	✓	✓	✓	✗
2	B10631003D	E-GUN+3 ELECTRODE BODY	✓	✓	✓	✓
3	TRTM01022	E-GUN+3 FLAT HEAD GROUP CONICAL INSULATOR	✓	✓	✓	✓
4	TRTM01046	E-GUN+3 FLAT CAP	✓	✓	✓	✓
5	B07524503	E-GUN+3 DEFLECTOR HEAD ASSEMBLY SHAFT SET	✓	✓	✓	✓
6	TRTM01048	E-GUN+3 DEFLECTOR CAP	✓	✓	✓	✓
7	TRTM0313	E-GUN+3 Ø13 DEFLECTOR	✓	✓	✓	✓
8	ENEM01044	E-GUN+3 Ø16 DEFLECTOR	✓	✓	✓	✓
9	ENEM101045	E-GUN+3 Ø20 DEFLECTOR	✓	✓	✓	✓
10	ENEM01046	E-GUN+3 Ø24 DEFLECTOR	✓	✓	✓	✓
11	ENEM01067	E-GUN+3 Ø32 DEFLECTOR	✓	✓	✓	✓
12	TRTM03112	E-GUN+3 FLAT CAP PATTERN ADJUSTER	✓	✓	✓	✓

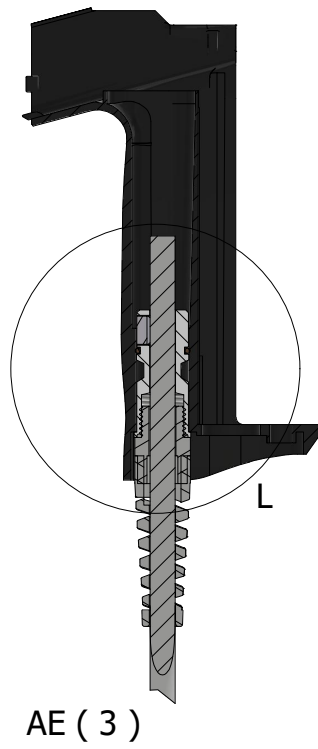


B07EGC200+3
E-GUN+3 C2 MAIN ASSEMBLY EXPLODED

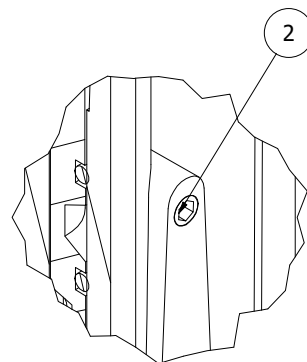
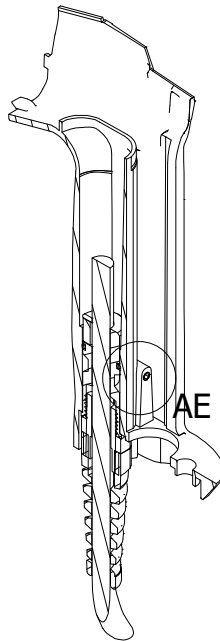
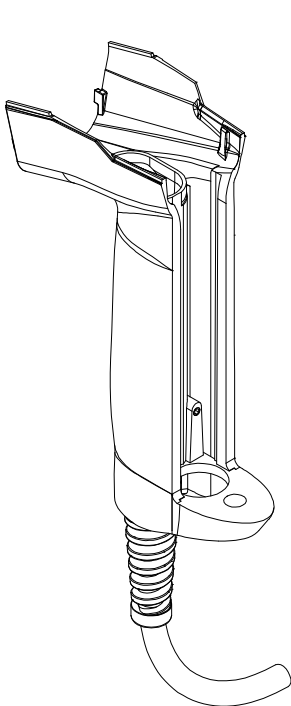
ITEM	QTY	DESCRIPTION	STOCK NUMBER
1	1	E-CASCADE+3 POWDER COATING GUN CASCADE	B07EGCN02
2	1	E-GUN+3 NEEDLE AIR INLET PART Ø8XL50	TRTM08279
3	1	E-GUN+3 MANUAL GUN PAINT INLET PIPE COMPLETE	B07531004
4	1	E-GUN+3 MANUAL GUN HANDLE SET COMPLETE	B07531005
5	1	SHEET METAL E-GUN+3 C1 PAINT PIPE FIXING	B06CE22001
6	1	E-GUN+3 C2 REAR COVER GROUP	B07BC0004
7	1	E-GUN+3 MANUAL GUN TRIGGER COMPLETE	B07531003
8	3	SCREW M3X8 PAN HEAD	BECV01001
9	1	HEAD GROUP	B07531008K:DEF, B07531002K:FLAT
10	1	E-GUN+3 C2 MANUAL GUN FRONT BODY (SCREEN PRINTED)	B10631201
11	1	E-GUN+3 GUN TIGHTENING NUT	B10631007
12	1	E-GUN+3 CASCADE INSULATION GASKET	B10ENEM04009
13	2	E-GUN+3 HANDLE GASKET	B10ENEM04011



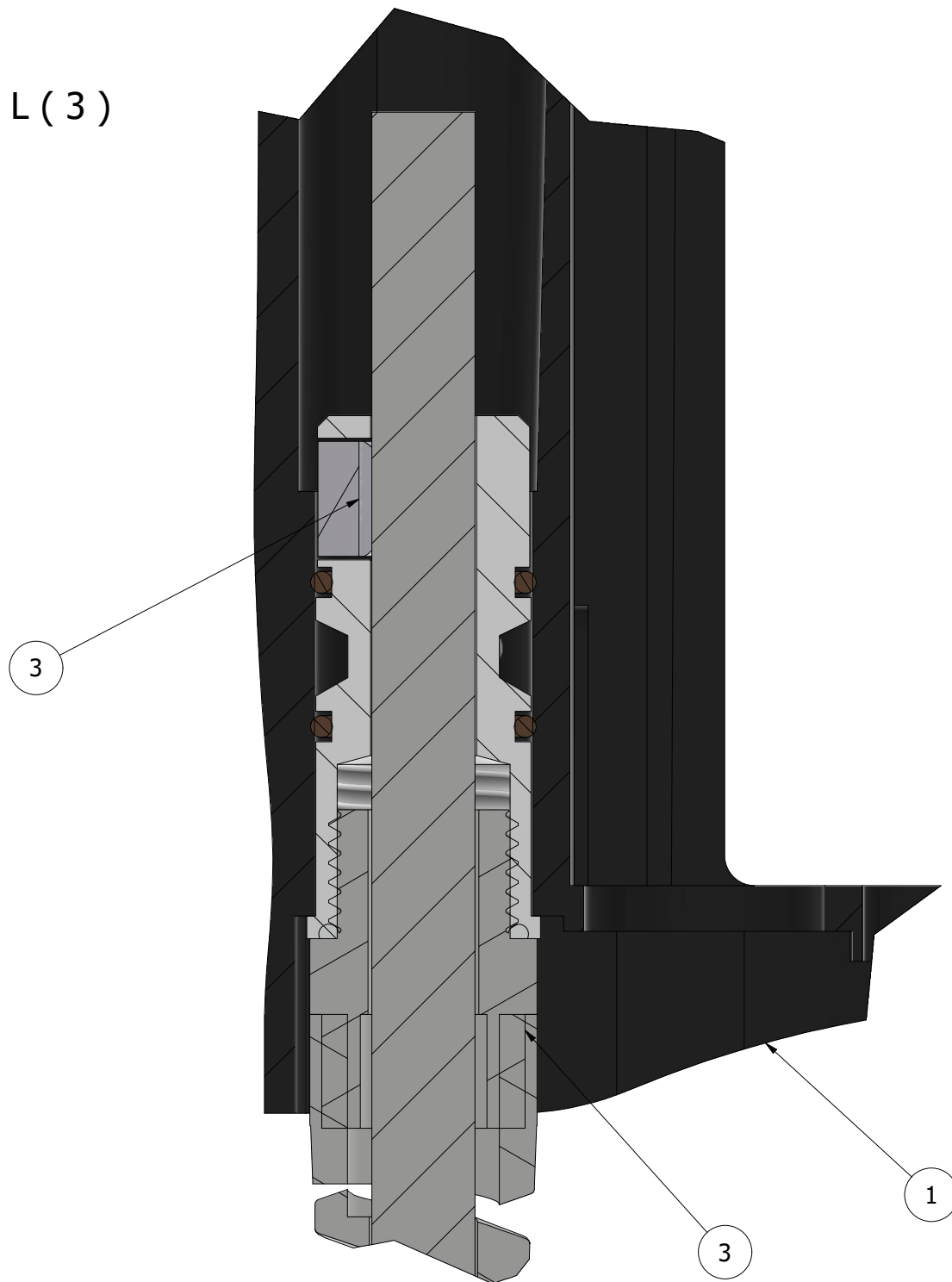
K-K (0,8)



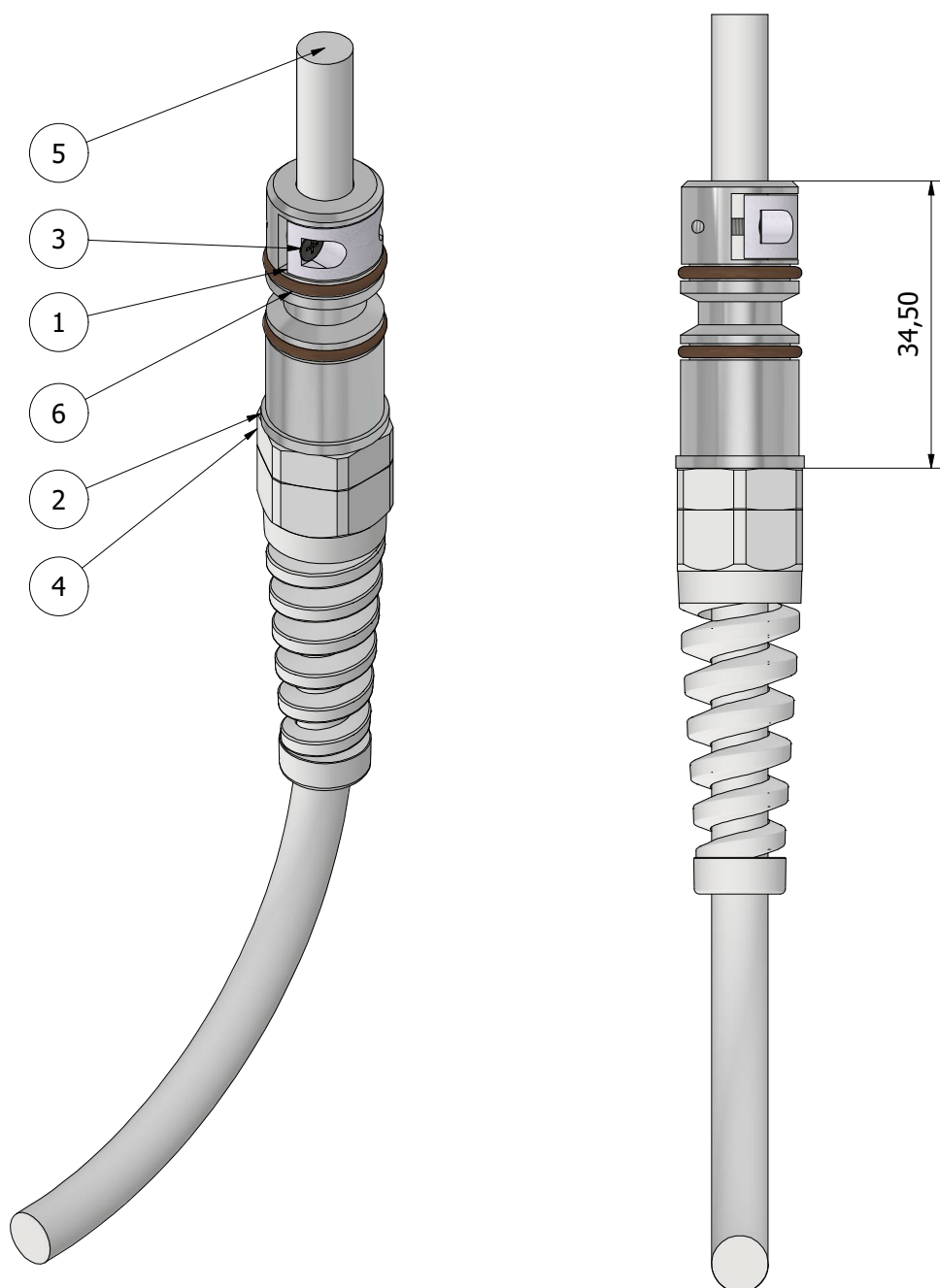
AE (3)



B07531005
E-GUN+3 HANDLE GROUP ASSEMBLY



ITEM	QTY	PART NUMBER	DESCRIPTION
7	1	B10631006	B10631006 - E-GUN+3 MANUAL GUN HANDLE PLASTIC
8	2	ISO 4026 - M3X12	SETSCREW M3X12 ISO 4026
9	1	B07528105	E-GUN+3 MANUAL GUN CABLE 7M

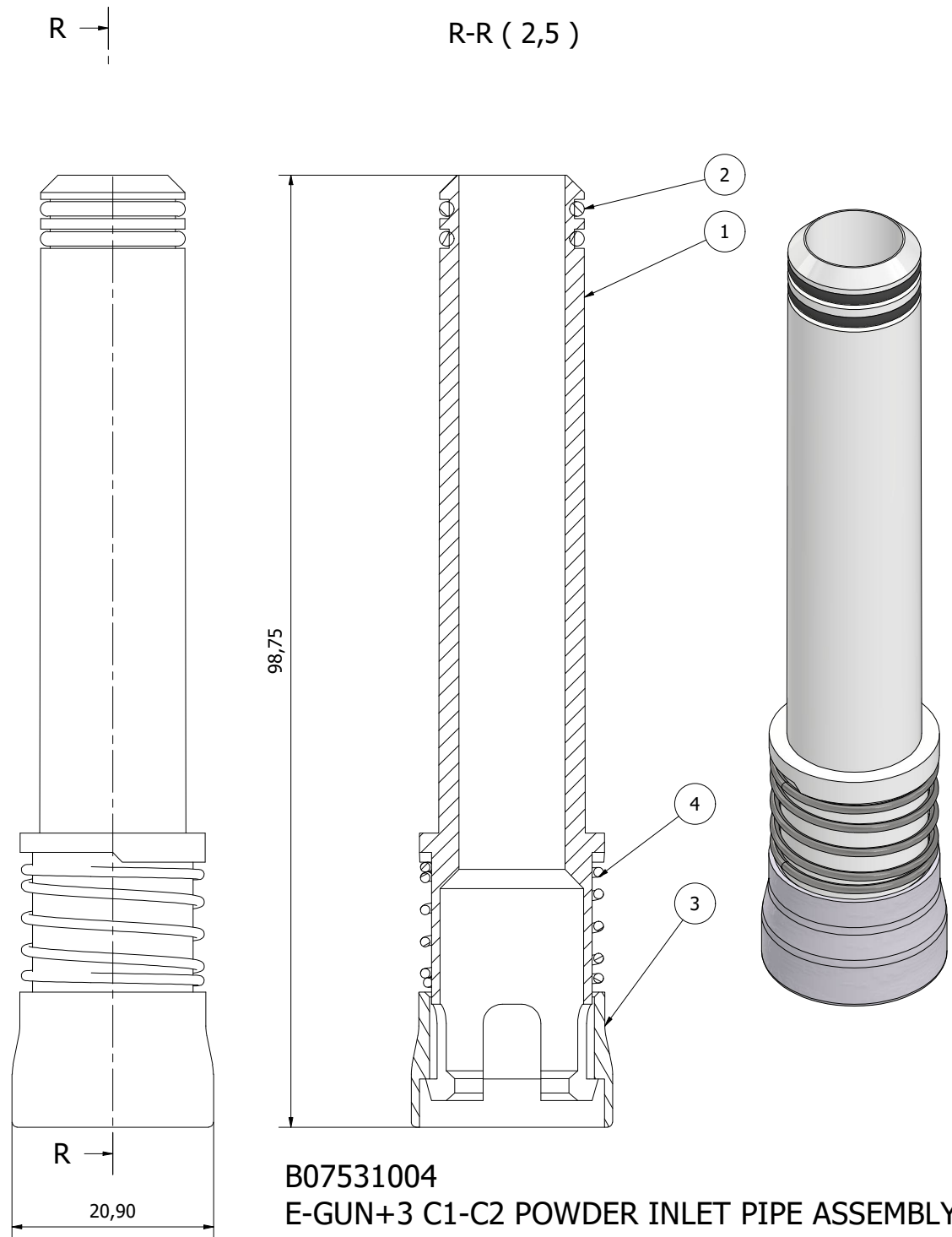


B07528105

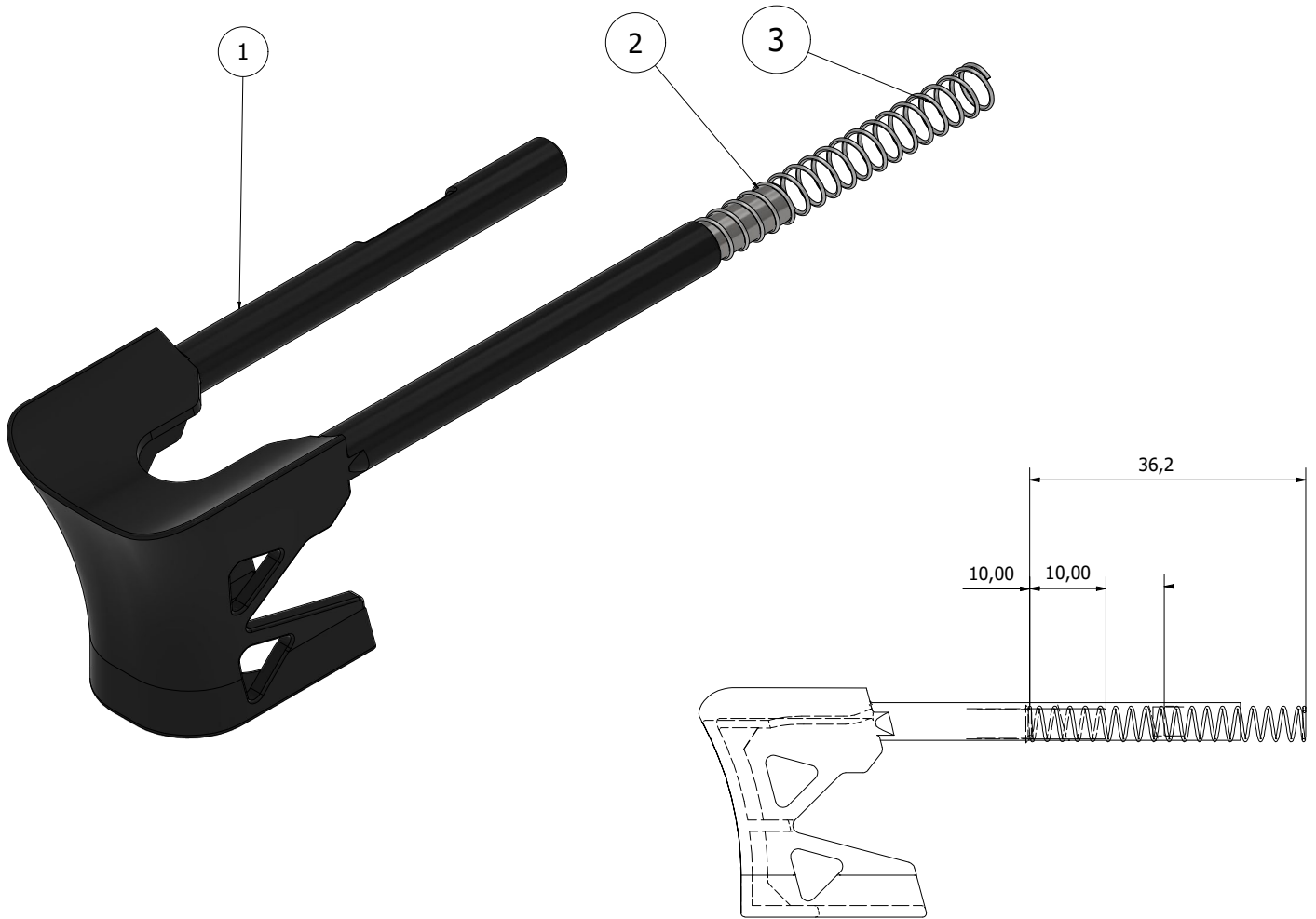
E-GUN+3 MANUEL GUN CABLE 7MT

E-GUN+3 MANUAL GUN CABLE MECHANIC ASSEMBLY

ITEM	QTY	DESCRIPTION	STOCK NUMBER
1	1	E-GUN+3 C1 CABLE CONNECTOR LOCKING PART L7.6	TRTM08281
2	1	E-GUN+3 C1-C2 CABLE CONNECTION MAIN PART	TRTM08280
3	2	SCREW M2X5 YHB	BECV02040
4	1	PG7 GREY SPIRAL CABLE GLAND ORG19	ELKA03008
5	1	CABLE 7PIN 7METER	FNS5281XX
6	2	O-RING Ø11X1.5 VITON (FKM) 70-75 SHORE (A) BROWN	IZOR01110



ITEM	QTY	DESCRIPTION	STOCK NUMBER
1	1	B10631005 - E-GUN+3 PAINT PIPE	B10631005
2	2	O-RING Ø12X1.5 NBR70	IZOR01061
3	1	E-GUN+3 GUN HOSE INLET LOCKING RING	TRTM04190
4	1	SPRING - E-GUN HOSE INLET	BEDH09003

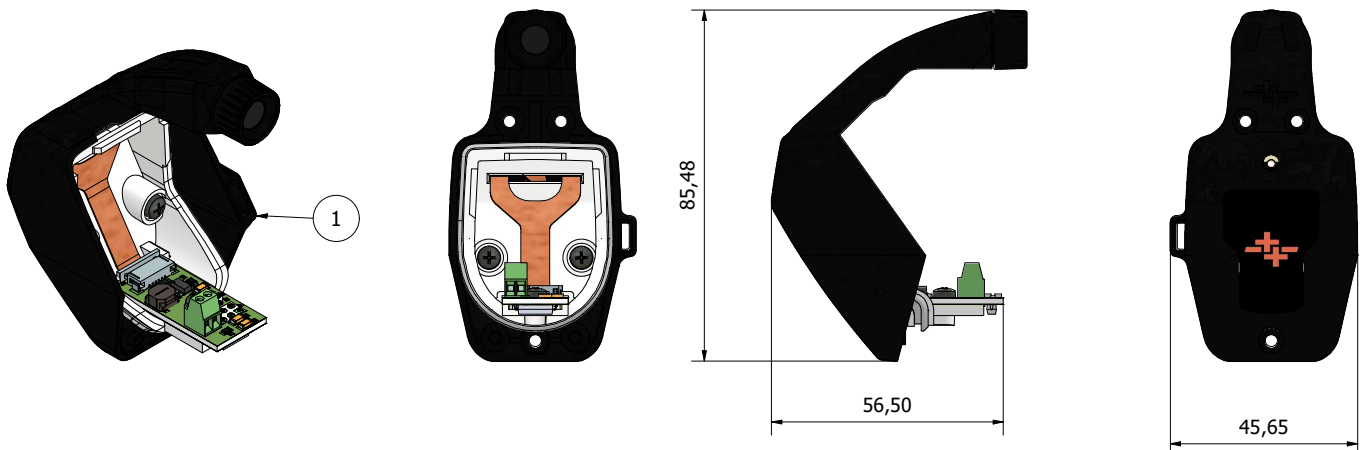
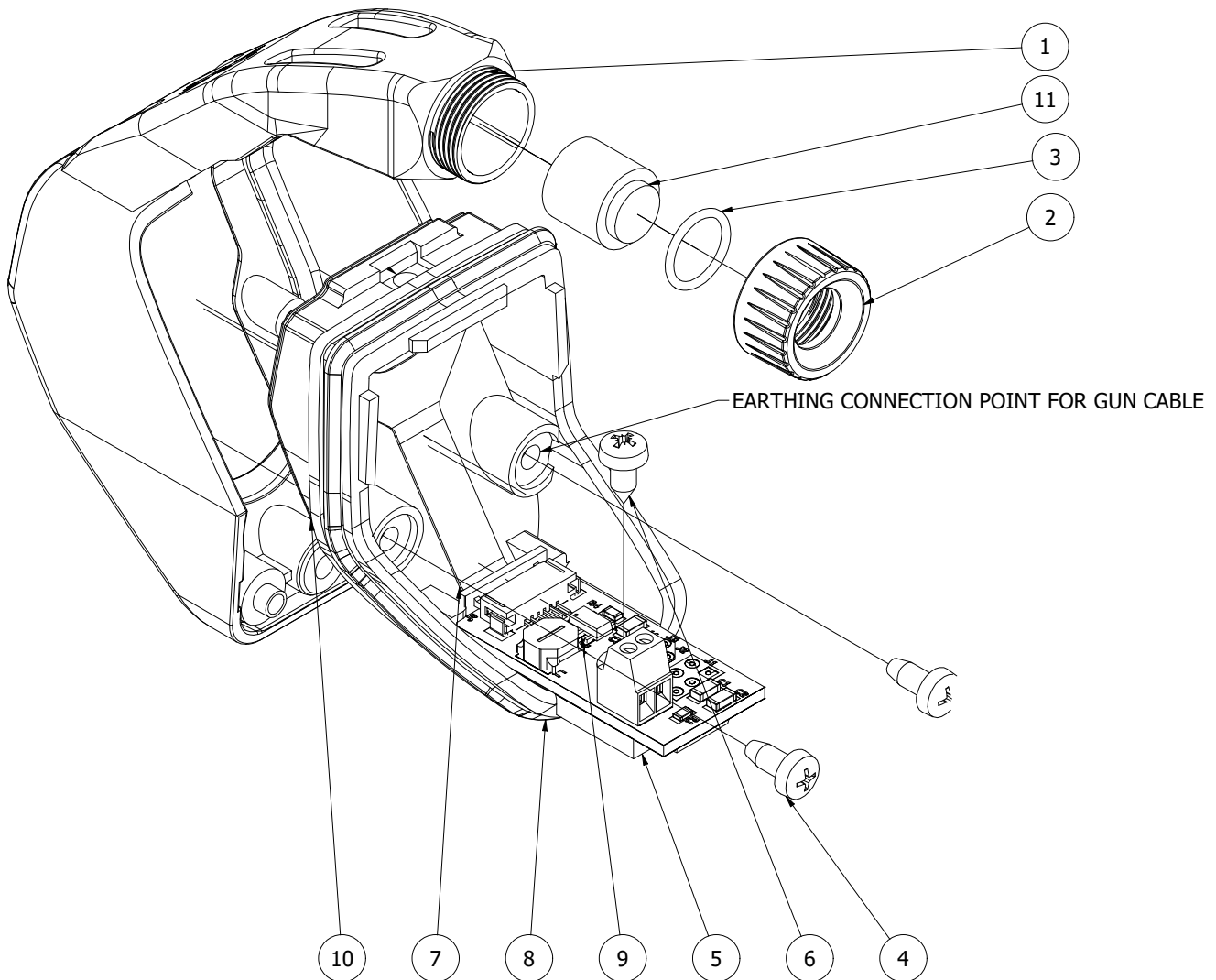


B07531003

E-GUN+3 C1-C2 TRIGGER ASSEMBLY

ITEM	QTY	DESCRIPTION	STOCK NUMBER
1	1	B10631002 - E-GUN+3 MANUAL GUN TRIGGER PLASTIC	B10631002
2	1	TRIGGER MEGNET CYLINDRICAL Ø4X20	BEDH14008
3	1	SPRING - E-GUN+3 TRIGGER PRESSURE CHROME	BEDH09013

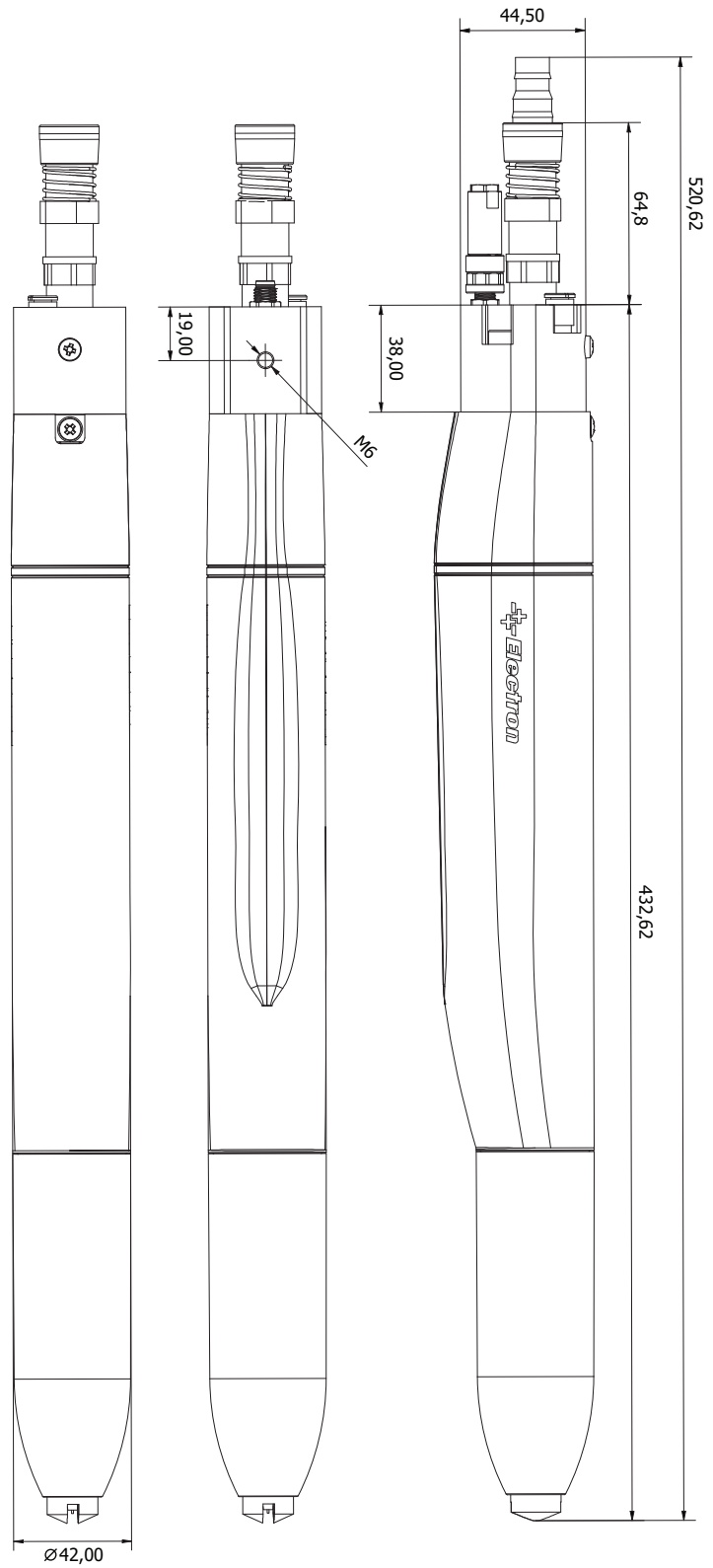
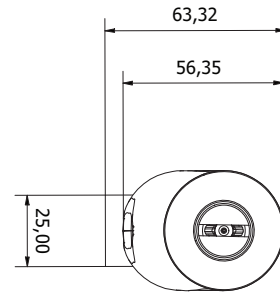
B07BC0004 E-GUN+3 C2 ARKA KAPAK GRUBU
only for E-GUN+3 C2 (B07EGC200+3)

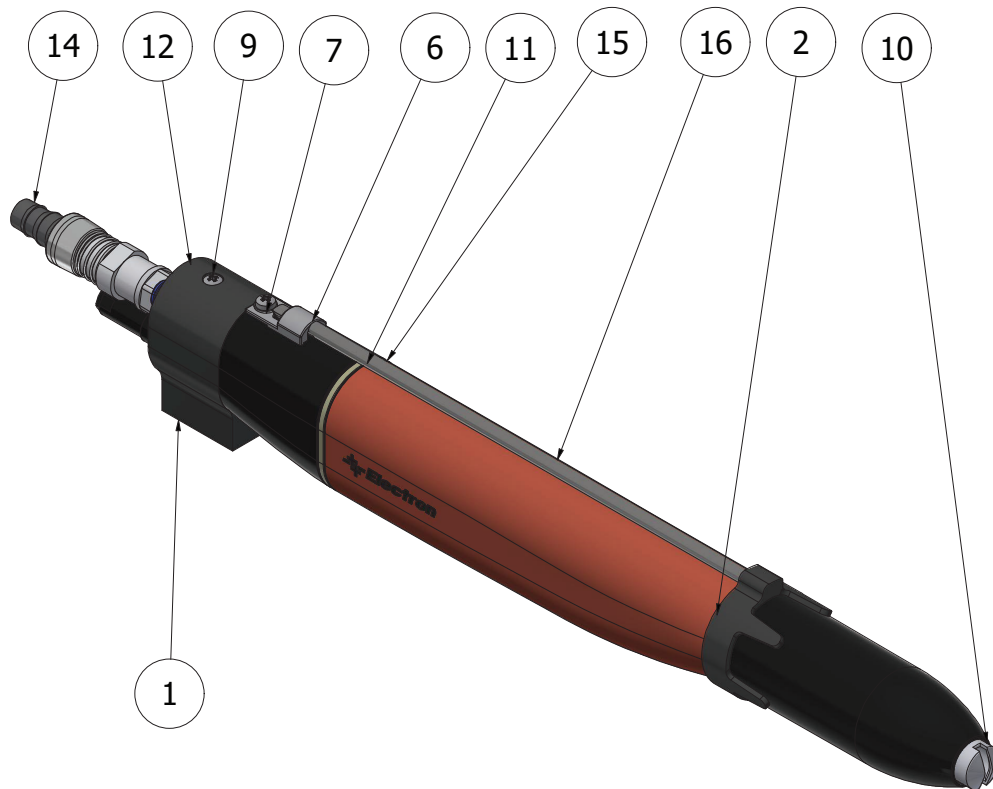


ITEM	QTY	DESCRIPTION	STOCK NUMBER
1	1	E-GUN+3 C1-C2 BACK COVER	B10631008
2	1	E-GUN+3 C1 LIGHT COVER PLASTIC	B10631004
3	1	O-RING Ø8X1 NBR70	IZOR01076
4	2	SCREW 3X6.5 PLASTIC YSB METAL A-618	BECV09001
5	1	E-GUN+3 C1 BUTTON BODY	B10631009
6	1	SCREW 3X6.5 PLASTIC YSB METAL A-618	BECV09001
7	1	E-GUN+3 MANUAL GUN FLEX PCB	B07LG5008
8	1	E-GUN+3 BUTTON BODY GASKET	B10ENEM04010
9	1	E-GUN+3 MANUAL GUN ELECTRONIC BOARD COMPLETE	B07EGK001
10	1	LEXAN E-GUN+3 C2 BACK	ETKT03079
11	1	E-GUN+3 C2 BLINDING PLASTIC PART	TRTM03118



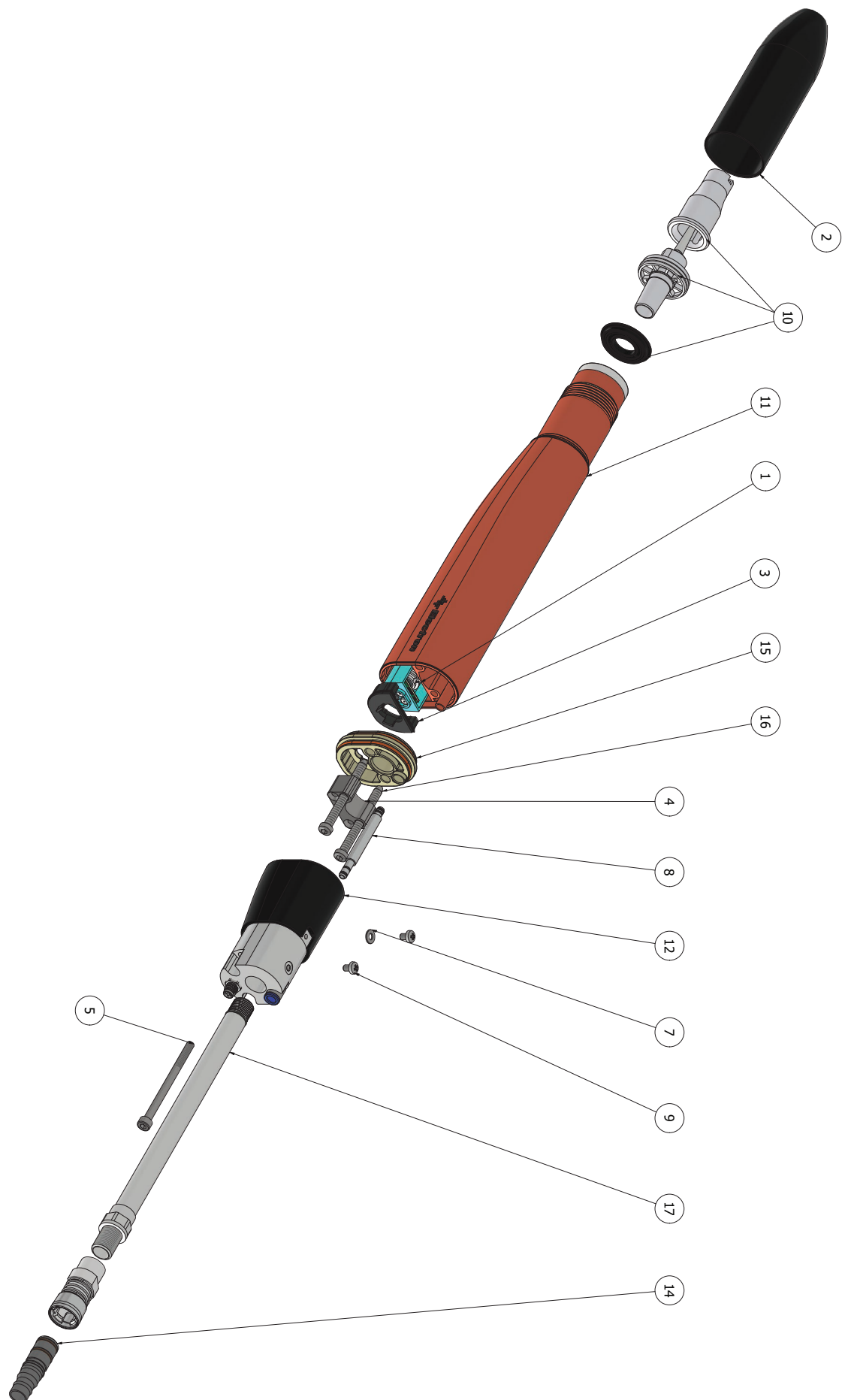
Part No	Order Code	Part Name	Wearing Part
1	B07EGC300+3	E-GUN+3 C3 AUTOMATIC POWDER COATING GUN	N/A



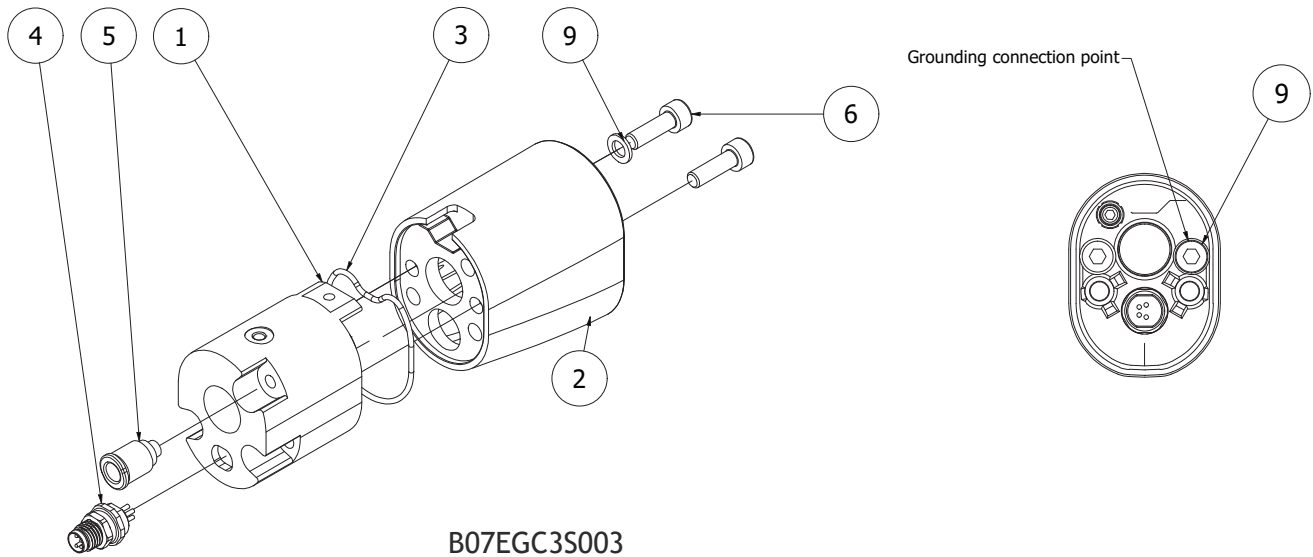


B07EGC300+3
E-GUN+3 C3 GUN (WITH CORONA RING)

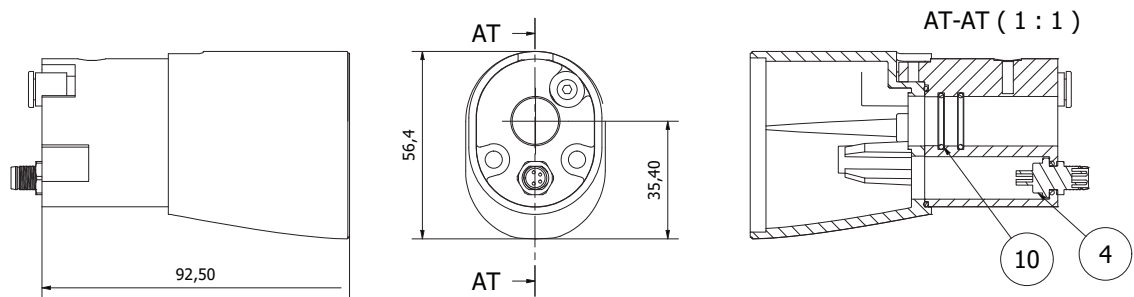
ITEM	QTY	DESCRIPTION	STOCK NUMBER
1	1	TRTM04012 - E-GUN AUTOMATIC GUN ROBOT ARM	TRTM04012
1	1	B07EGCN02 - E-CASCADE+3 POWDER COATING GUN	B07EGCN02
2	1	B10631007 - E-GUN+3 GUN TIGHTENING NUT	B10631007
3	1	B10ENEM04012 - GASKET E-GUN+3 C3 CASCADE	B10ENEM04012
5	2	COATED BOLT M5X70 HALF THREAD ALLEN	BECV08003
6	1	E-GUN+3 C3 CORONA - BODY CONNECTION PART	TRTM08371
7	1	CROSS RECESSED RAISED CHEESE HEAD SCREWS - TYPE H	
7	2	COATED WASHER M4	BEPL03002
9	2	BOLT M4X06 YSB	BECV01020
10	1	HEAD GROUP	B07531008K:DEF, B07531002K:FLAT
11	1	E-GUN+3 AUTOMATIC GUN FRONT BODY - SCREEN	B10632001
12	1	E-GUN+3 C3 REAR COVER GROUP	B07EGC3S003
13	1	E-GUN+3 C3 AUTOMATIC GUN CABLES (12-15-18-21-24 M)	B07528112, B07528115, B07528118, B07528121, B07528124
14	1	B07EC0004 - E-GUN HOSE CONNECTION ELEMENT - WITH	B07EC0004
16	1	E-GUN+3 C3 FAST CORONA RING	B07FCR301
17	1	E-GUN+3 C3 PAINT INLET PIPE THREADED TYPE	B07531001D



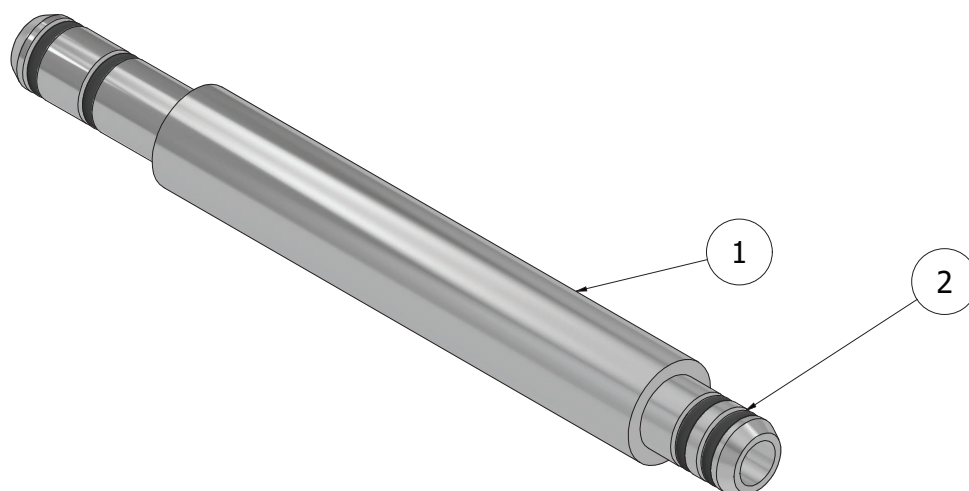
ITEM	QTY	DESCRIPTION	STOCK NUMBER
1	1	B07EGCN02 - E-CASCADE+3 POWDER COATING GUN CASCADE	B07EGCN02
2	1	B10631007 - E-GUN+3 GUN TIGHTENING NUT	B10631007
3	1	B10ENEM04012 - GASKET E-GUN+3 C3 CASCADE INSULATION	B10ENEM04012
4	1	E-GUN+3 AUTOMATIC GUN INTERNAL ASSEMBLY PART	TRTM06245
5	2	BOLT M5X70 ALLEN	BECV08003
6	1	E-GUN+3 C3 CORONA - BODY CONNECTION PART	TRTM08371
7	2	WASHER M4	BEPL03002
8	1	E-GUN+3 C3 NEEDLE AIR TRANSFER PART - WITH O-RING	B07EGC3S002
9	2	BOLT M4X06 YSB	BECV01020
10	1	HEAD GROUP	B07531008K:DEF, B07531002K:FLAT
11	1	E-GUN+3 AUTOMATIC GUN FRONT BODY - SCREEN PRINTED	B10632001
12	1	E-GUN+3 C3 REAR COVER GROUP	B07EGC3S003
13	1	E-GUN+3 C3 AUTOMATIC GUN CABLES (12-15-18-21-24 M)	B07528112, B07528115, B07528118, B07528121,B07528124
14	1	B07EC0004 - E-GUN HOSE CONNECTION ELEMENT - WITH O-RING	B07EC0004
15	1	E-GUN+3 C3 CASCADE HOLDING PLASTIC WITH O-RING ASSEMBLY	B07EGC3S001
16	2	DOME HEAD SCREW M5X60 SHORT GALVANIZED (FOR PLASTIC)	BECV01064
17	1	E-GUN+3 C3 PAINT INLET PIPE THREADED TYPE COMPLETE	B07531001D



B07EGC3S003
E-GUN+3 C3 BACK COVER ASSEMBLY

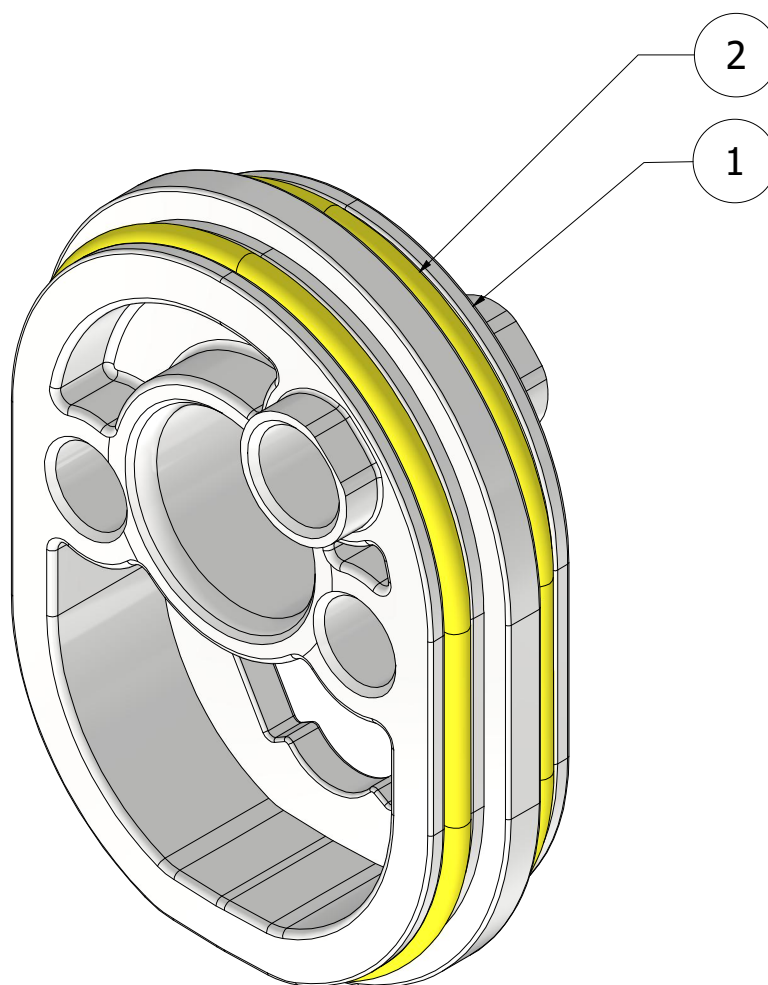


ITEM	QTY	DESCRIPTION	STOCK NUMBER
1	1	TRTM04196 - E-GUN+3 AUTOMATIC GUN REAR POSITIONER ALUMINUM	TRTM04196
2	1	B10632003 - E-GUN+3 AUTOMATIC GUN REAR PLASTIC BODY	B10632003
3	1	O-RING Ø37X1.5 VITON (FKM) 70-75 SHORE (A) BROWN	IZOR01118
4	1	CABLE SET E-GUN+3 C3 M8 MALE SOCKET	B07ECK541
5	1	MALE CONNECTOR STRAIGHT PNEUMATIC Ø6-M5 PUSH-IN QSM-M5-6-L FESTO 153317	PRND01056
6	2	ALLEN BOLT M5X15	BECV03024
9	1	WASHER M5 THIN NARROW ISO7092 Ø5.3XØ9X1	BEPL03039
10	2	O-RING Ø14X1.5 SILICONE (YELLOW)	IZOR02003



B07EGC3S002
E-GUN+3 C3 NEEDLE AIR CONNECTION ASSEMBLY

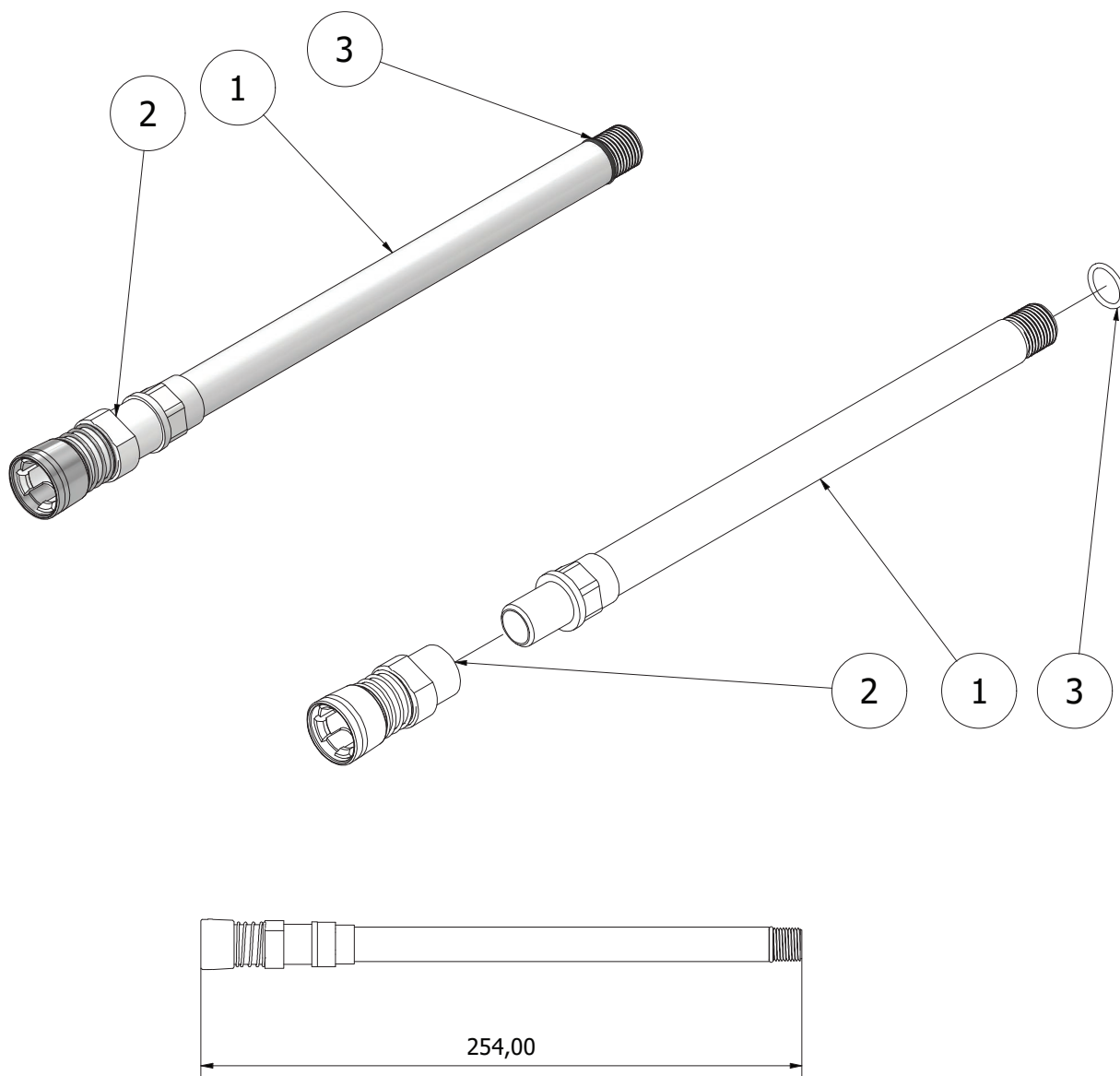
ITEM	QTY	DESCRIPTION	STOCK NUMBER
1	1	TRTM08301 - E-GUN+3 C3 NEEDLE AIR TRANSMISSION PART	TRTM08301
2	4	O-RING Ø3X1 NBR70	IZOR01081



B07EGC3S001

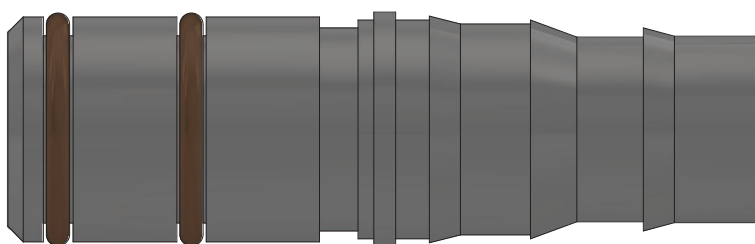
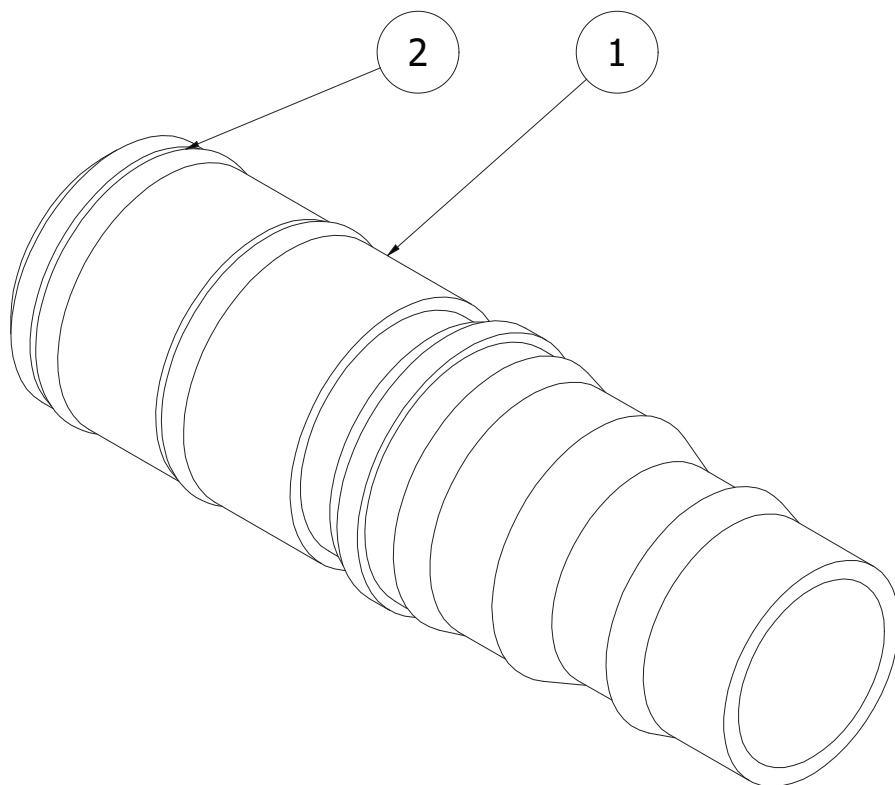
E-GUN+3 C3 CASCADE HOLDING PLASTIC WITH ORING ASSEMBLY

ITEM	QTY	DESCRIPTION	STOCK NUMBER
1	1	B10632004 - E-GUN+3 AUTOMATIC GUN CASCADE PRESS PLASTIC	B10632004
2	2	O-RING Ø43X2 SILICONE (SARI/YELLOW)	IZOR01120



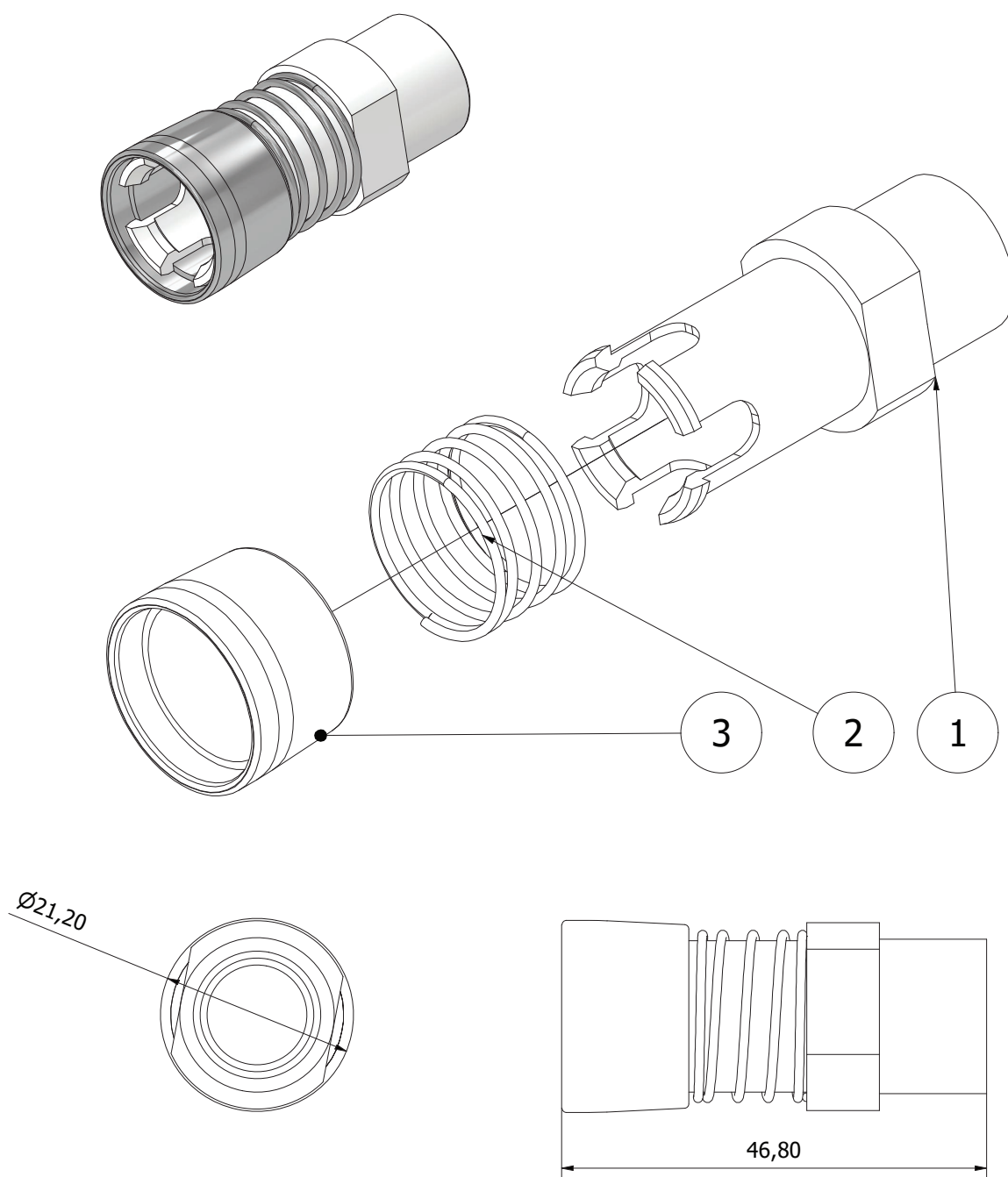
B07531001D
E-GUN+3 C3 POWDER PIPE COMPLETE

ITEM	QTY	DESCRIPTION	STOCK NUMBER
1	1	SERRATED PAINT PIPE E-GUN+3 C3 THREADED VERSION	TRTM03134
2	1	E-GUN C3 QUICK CONNECTION HOSE INLET SET - COMPLETE	B07EC0026
3	1	O-RING Ø10.5X1 NBR70	IZOR01085



B07EC0004
E-GUN HOSE CONNECTOR ASSEMBLY

ITEM	QTY	DESCRIPTION	STOCK NUMBER
1	1	TRTM03005 - E-GUN POWDER COATING HOSE CONNECTION	TRTM03005
2	2	O-RING Ø12X1.5 VITON (FKM) 70-75 SHORE (A) BROWN	IZOR01111



B07EC0026
E-GUN C3 HOSE CONNECTOR INLET ASSEMBLY

ITEM	QTY	DESCRIPTION	STOCK NUMBER
1	1	E-GUN AUTOMATIC QUICK CONNECTION HOSE INLET	TRTM03009
2	1	SPRING - E-GUN HOSE INLET	BEDH09003
3	1	E-GUN GUN HOSE INLET LOCKING RING	TRTM04009



L = 5 m

L = 10 m

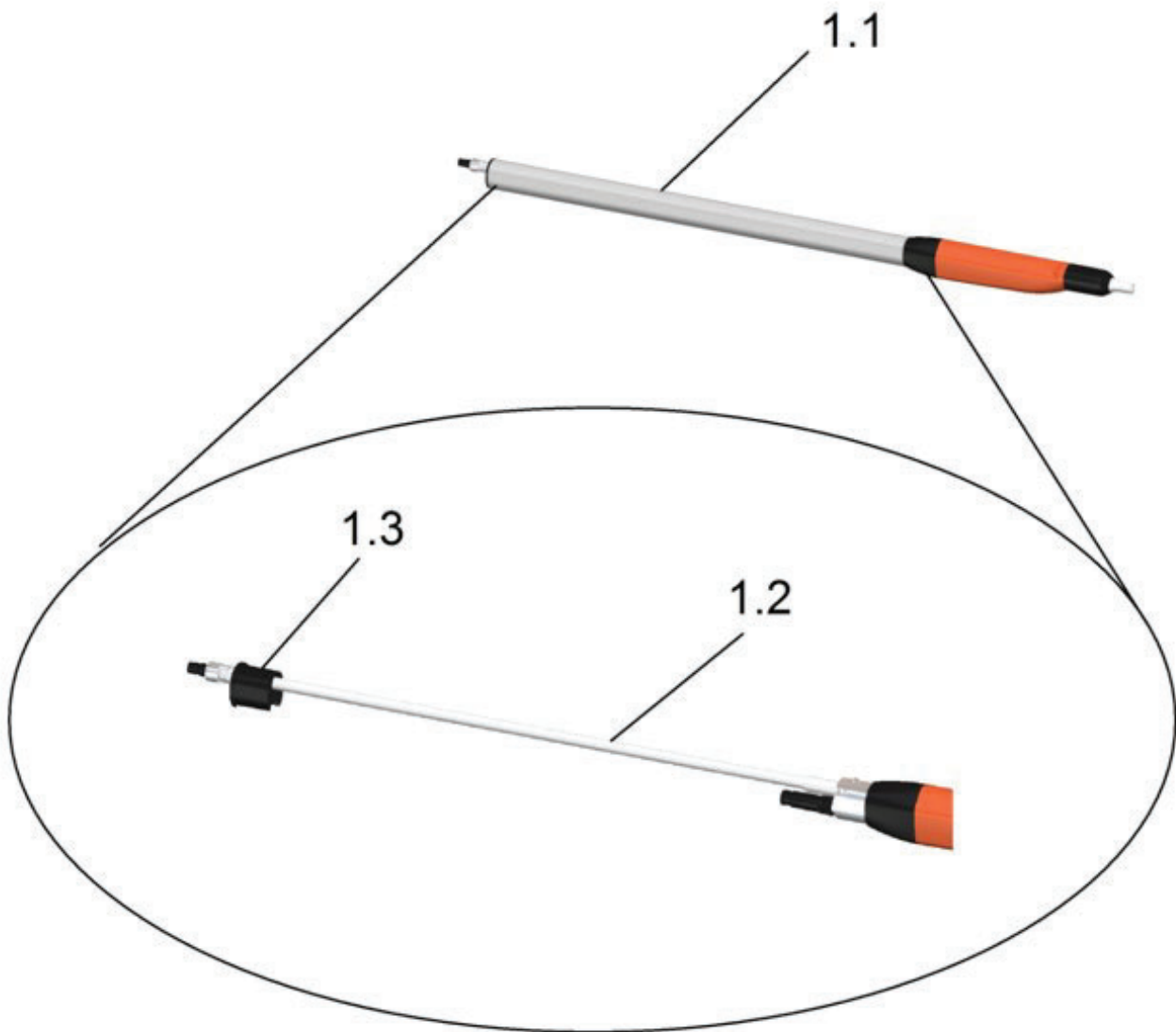
Part No	Part Name	Order Code	Wearing Part	RECOMMENDED STOCK PARTS
1	E-GUN GUN CABLE EXTENSION KIT 5 M	B07EXT005	N/A	N/A
2	E-GUN GUN CABLE EXTENSION KIT 10 M	B07EXT006	N/A	N/A



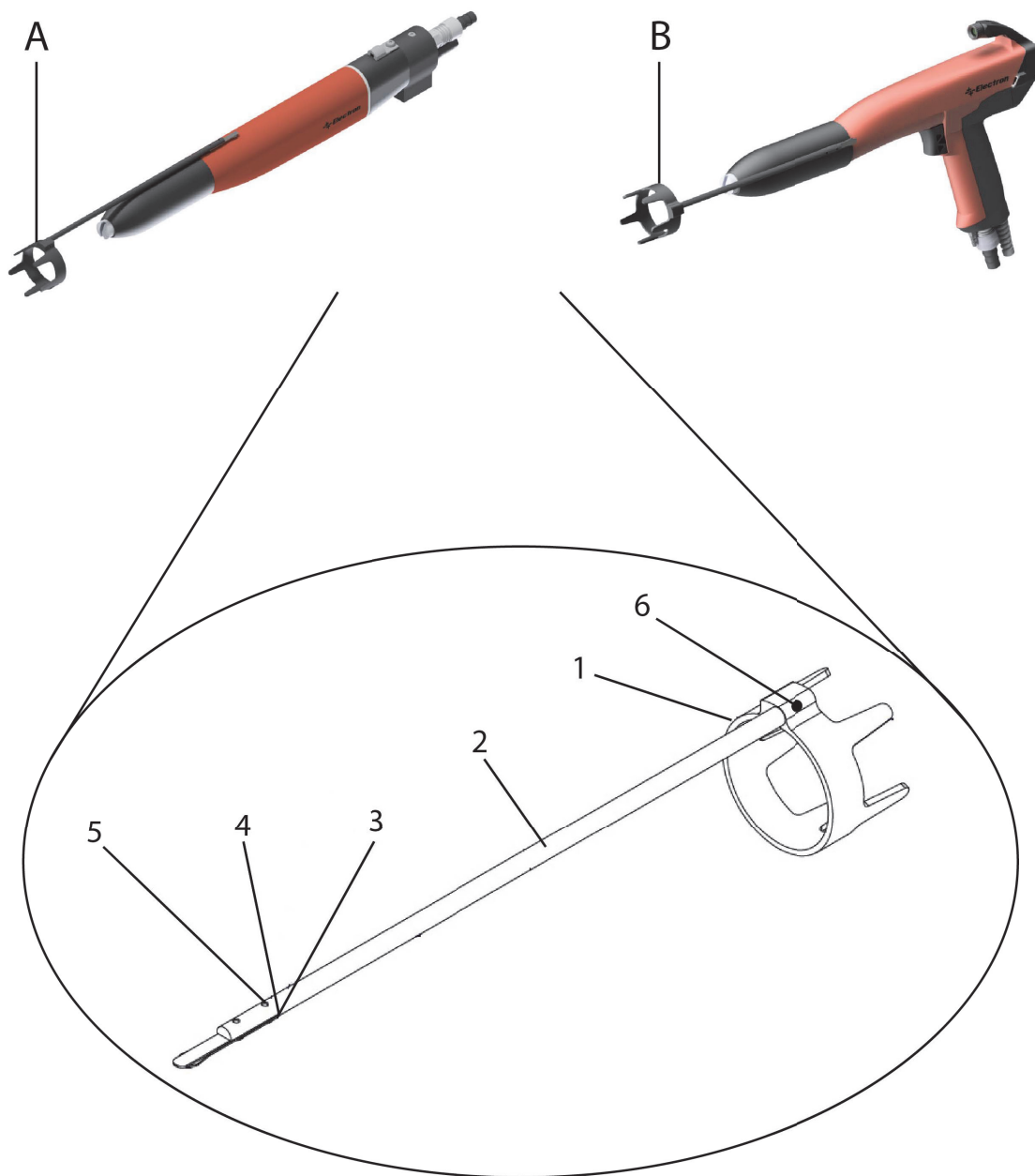
Part No	Part Name	Order Code	Wearing Part	RECOMMENDED STOCK PARTS
1	11X16 POWDER HOSE w/ DOUBLE CARBON DISCHARGE LINES (ORDER IN METERS)	PNHO03001	✓	✓



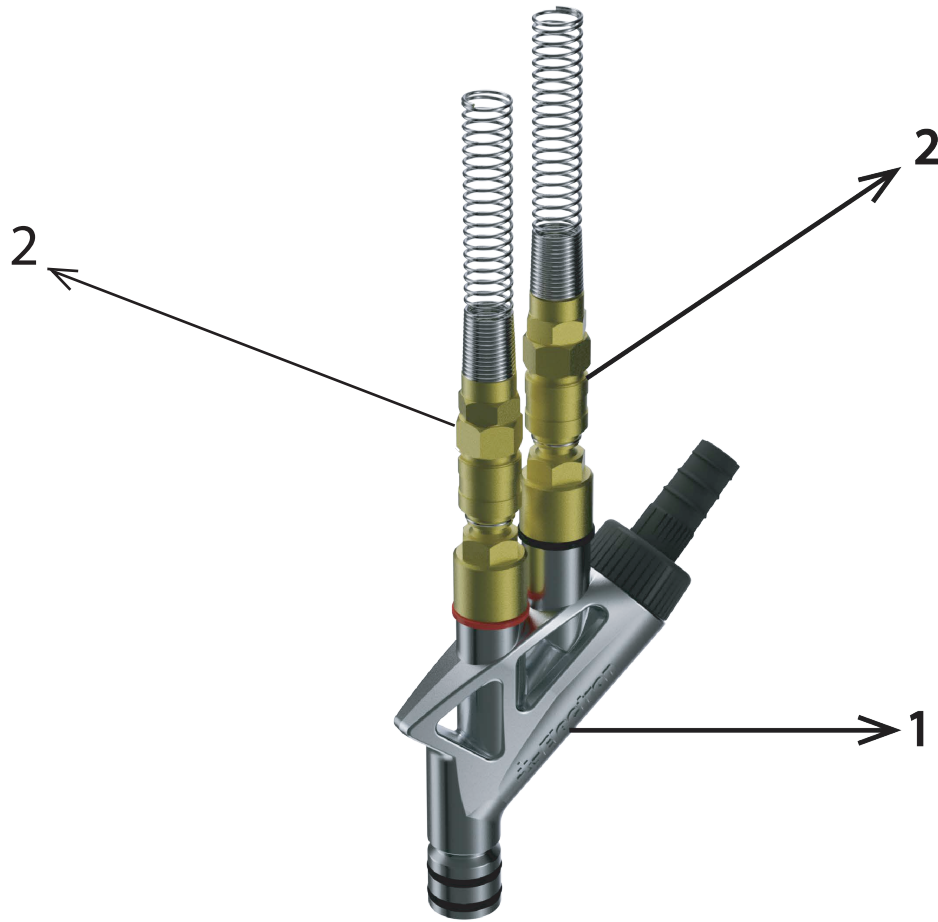
Part No	Part Name	Order Code	Wearing Part
1	E-COAT+3 EARTHING CABLE (3m)	B07ECK506	N/A



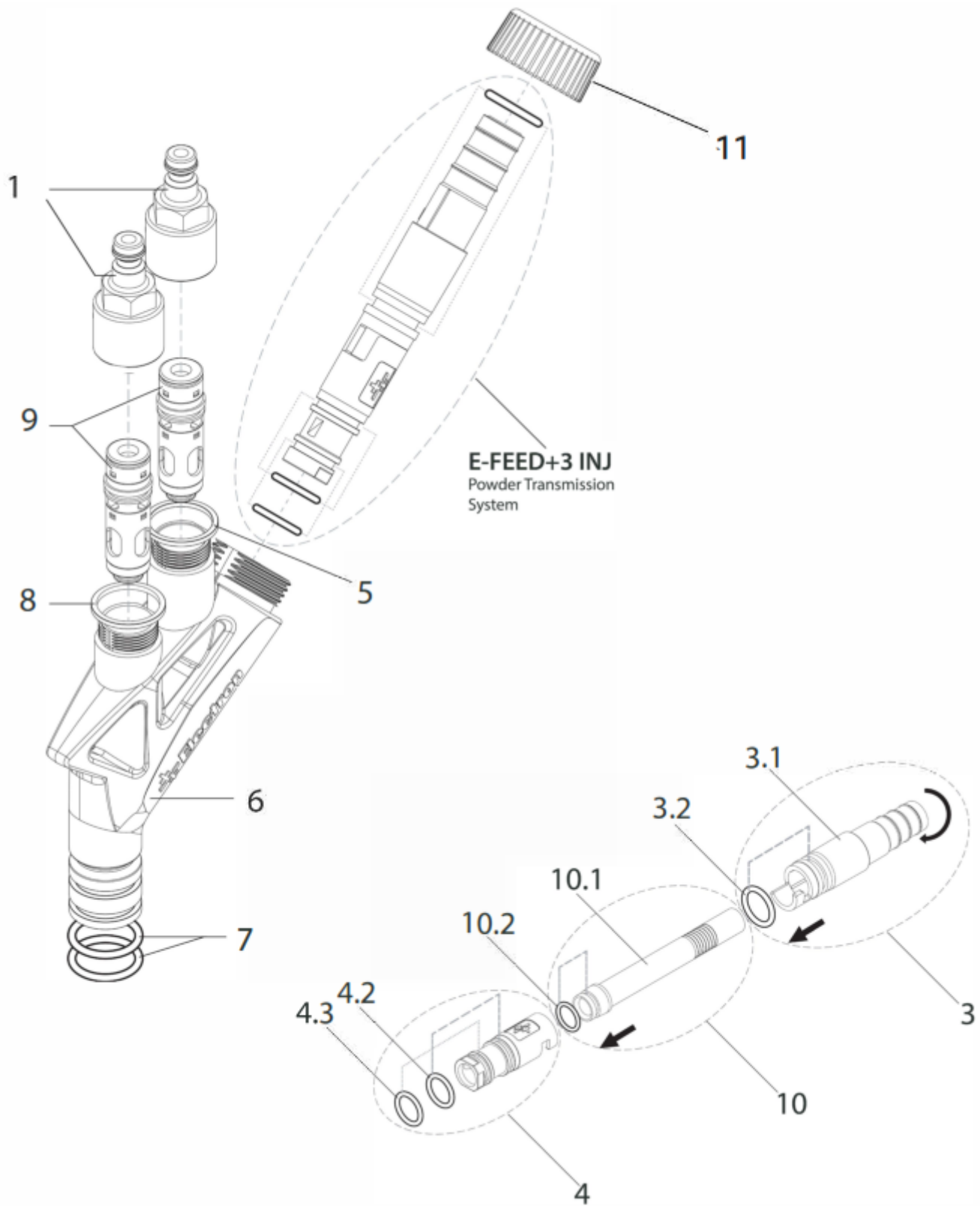
Part No	Order Code	Part Name	Wearing Part	RECOMMENDED STOCK PARTS
1	B07RCA301	COMPOSITE RECIPROCATOR ARM	N/A	N/A
1.1	AKUA03002	E-GUN+3 C3 COMPOSITE RECIPROCATOR ARM 750 MM	N/A	✓
1.2	B07RCA301B	RECIPROCATOR ARM PAINT TRANSFER PIPE (COMPL.)	✓	✓
1.3	B06CE05001	RECIPROCATOR ARM BACK COVER	N/A	N/A



Part No	Order Code	Part Name	Wearing Part
A	B07FCR301	E-GUN+3 C3 FAST CORONA RING	N/A
B	B07FCR302	E-GUN+3 C1/C2 FAST CORONA RING	N/A
1	TRTM04199	E-GUN+3 FAST CORONA RING CHARGE COLLECTOR	N/A
2	TRTM04201	E-GUN+3 FAST CORONA RING SHAFT Ø6XL193	N/A
3	BEDH09017	E-GUN+3 FAST CORONA LOCKING SPRING	N/A
4	BEDH09016	E-GUN+3 FAST CORONA LOCKING BASE SPRING	N/A
5	BECV02041	SCREW M2,5X5	N/A
6	BEDH08003	SETSCREW M4X06	N/A



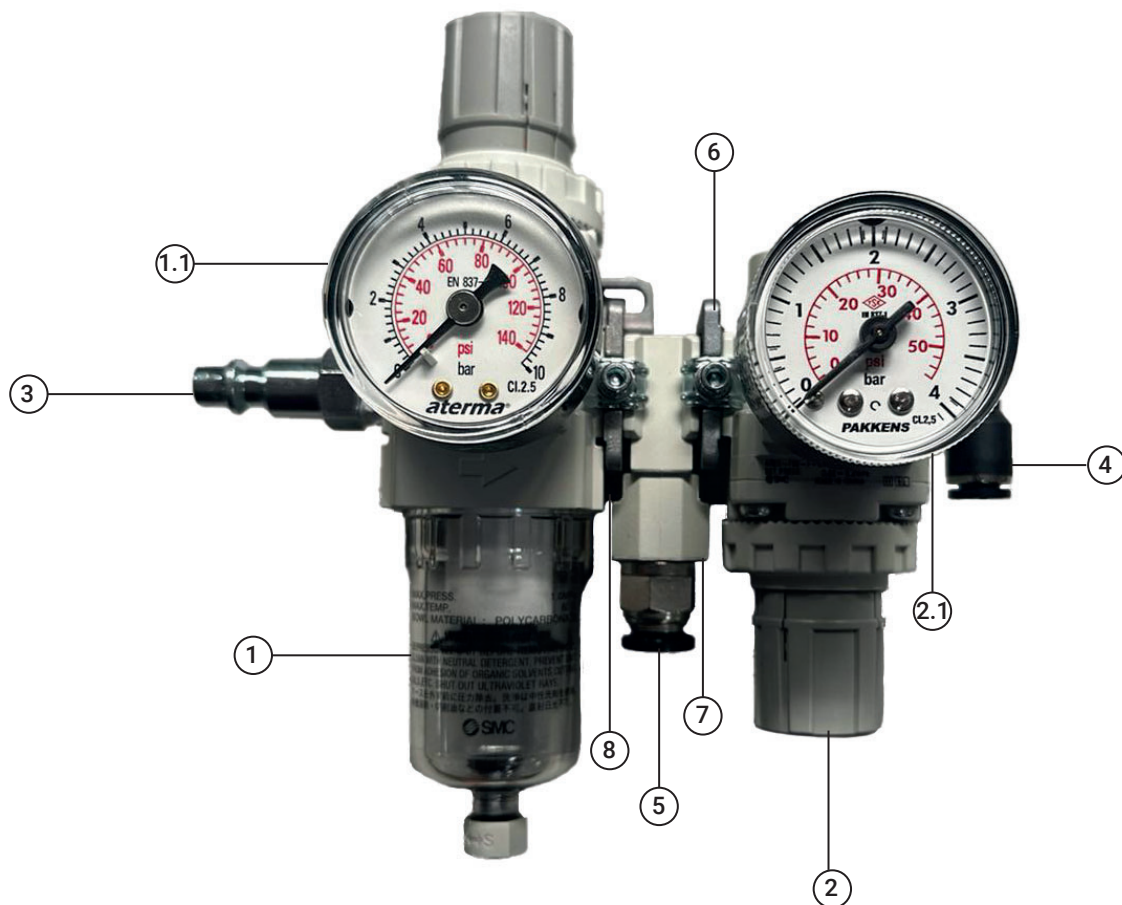
Part #	Order Code	Part Name
1	B07FEED+3	E-FEED+3 INJ INJECTOR
2	PNBE01005	SPRING BODY QUICK CONNECTION 8X6 MM *** Sold as 1 piece.



E-FEED+3 INJECTOR NOZZLE W/O-RING

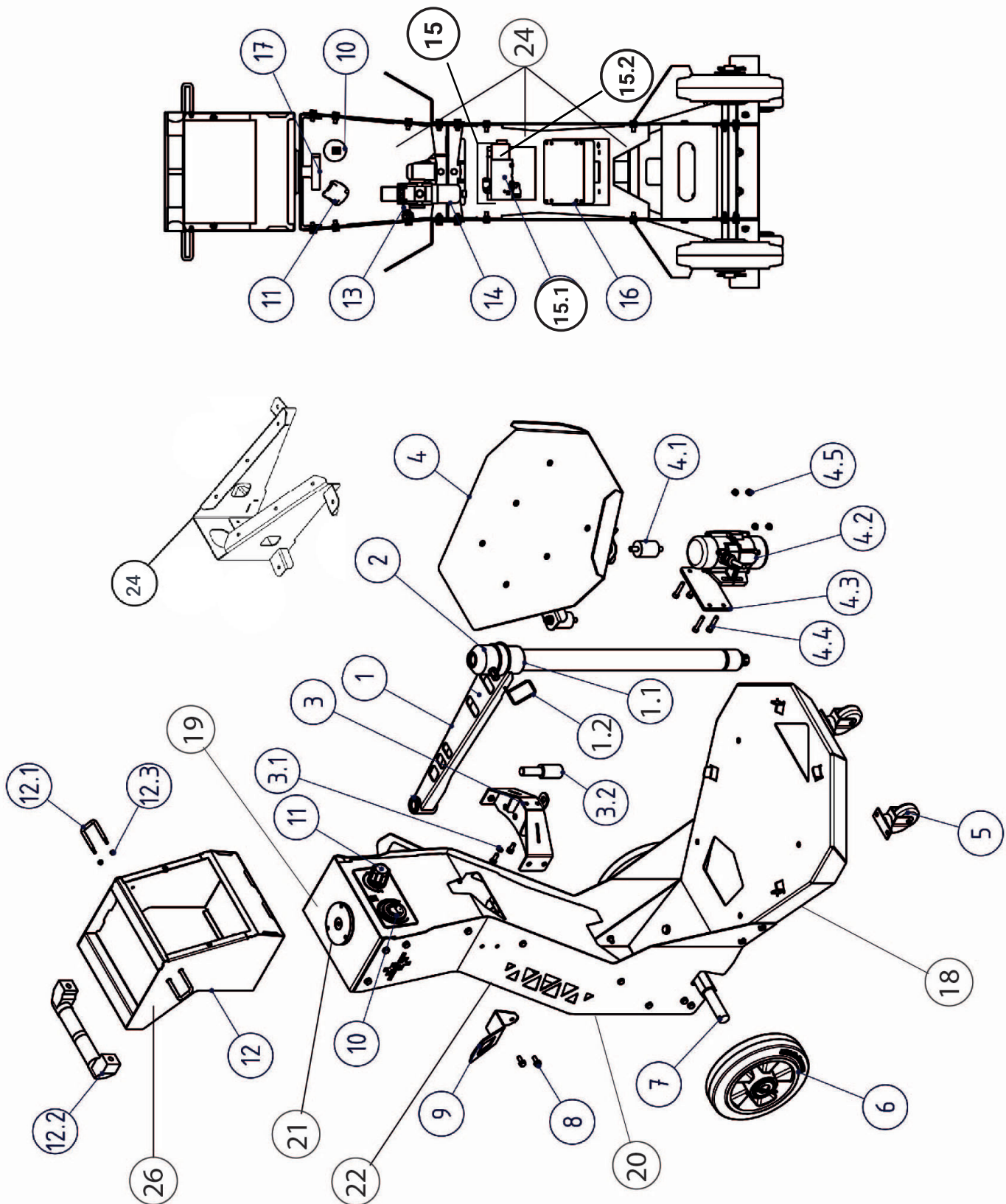
Part #	Order Code	Part Name	Wearing Part	RECOMMENDED STOCK PARTS
1	TRTM05035	E-FEED+3 QUICK DISCONNECTOR ADAPTER	N/A	N/A
2	B10540005	E-FEED+3 INJECTOR NUT	N/A	✓
3	B07610032	E-FEED+3 INJECTOR HOSE CONNECT COUPLING W/O-RING	✓	✓
3.1	B07EC5020	E-FEED+3 INJECTOR HOSE CONNECT COUPLING	✓	✓
3.2	IZOR01107	O-RING Ø 13x2 VITON(FKM) 70-75 SHORE (A) BROWN	✓	✓
4	B07610031	E-FEED+3 INJECTOR NOZZLE W/ O-RING	✓	✓
4.1	B10640033	E-FEED+3 INJECTOR NOZZLE	✓	✓
4.2	IZOR02016	O-RING SILICONE (YELLOW) Ø9,20X1,78	✓	✓
4.3	IZOR02008	O-RING SILICONE (YELLOW) Ø6,70X1,78	✓	✓
5	TRTM05037	E-FEED+3 HOSE COUPLING WASHER Ø19 T1.5 (BLACK)	N/A	N/A
6	B10650000	E-FEED+3 INJECTOR BODY	N/A	N/A
7	IZOR01105	O-RING Ø16X2 VITON(FKM) 70-75 SHORE (A) BROWN	✓	✓
8	TRTM05036	E-FEED+3 HOSE COUPLING WASHER Ø19 T1.5 (RED)	N/A	N/A
9	B07ENJ135	E-FEED+3 INJECTOR FILTER - COMPLETE	✓	✓
10	B07610030	E-FEED+3 TEFLON BUSHING W/O-RING	✓	✓
10.1	B07610000	E-FEED+3 TEFLON BUSHING	✓	✓
10.2	IZOR01003	O-RING Ø7X1,5	✓	✓
11	B10540005	E-FEED V2-V3 INJECTOR TIGHTENING NUT	✓	✓

(B07BK0004) E-COAT+3 BASIC BARE KIT PNEUMATIC SET-COMplete (USA - PSI)



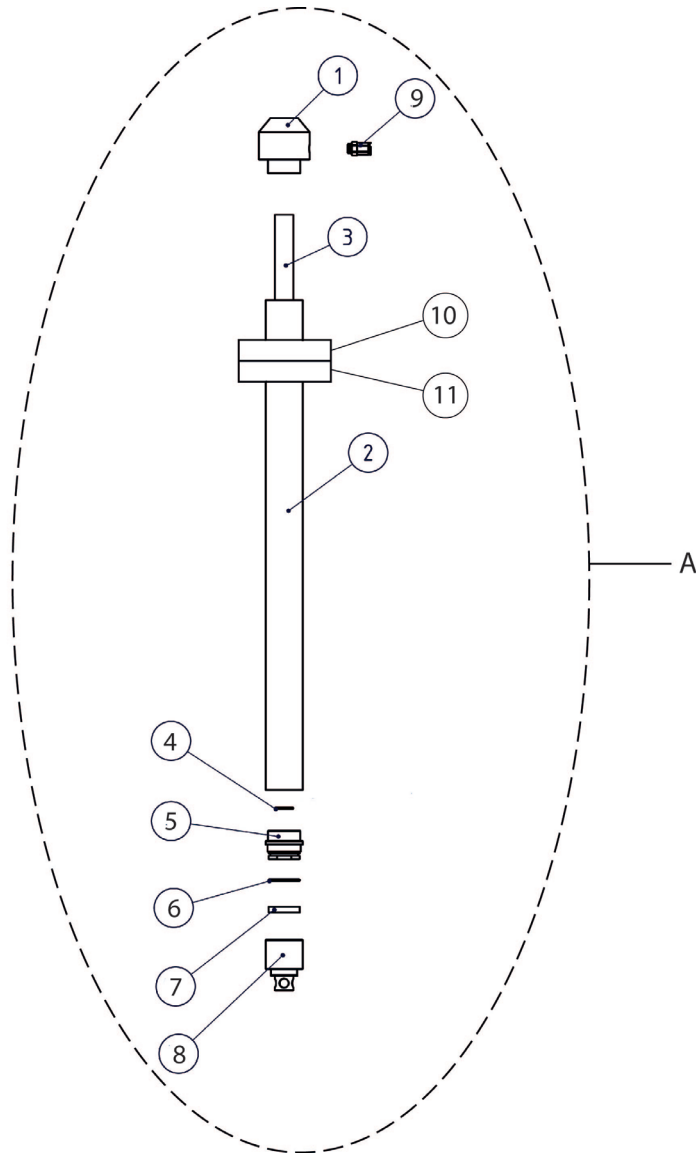
Part No	Order Code	Part Name	Wearing Part
1	PNPE02012	REGULATOR SMC AW20-F02H-B 1/4" (main reg., common)	N/A
1.1	PNPE07009	MANOMETER 1/8" 0-10 BAR (BAR-PSI SCALE) Ø40 CL2.5 (for main reg., common)	N/A
2	PNPE02015	REGULATOR SMC AR20-F02H-1-B 1/4" (flu reg., common)	N/A
2.1	PNPE07024	MANOMETER Ø40 G1/8" MALE. 0-60 PSI (for flu reg, common)	N/A
3	PNBE01039	QD NPT1/4 IND HCP14-14M-J NITRA (inlet, common)	N/A
4	PNRD01034	FITTING ROTARY ELBOW 1/4"-Ø6 MALE (for flu air, common)	N/A
5	PNRD01014	FITTING 1/4" X Ø8 MALE (for device air, common)	N/A
6	PNPE02018	ADAPTER MODULAR SMC Y200-A (BARE PNEUMATIC)	N/A
7	PNPE02016	SPACER T TYPE SMC Y210-F02-A (BARE PNEUMATIC)	N/A
8	PNPE02019	ADAPTER MODULAR BRAKET SMC Y200T-A (BARE PNEUMATIC)	N/A

a. (B07ECT109) E-MULTICOLOR+3 DEVICE CART (A-110V)



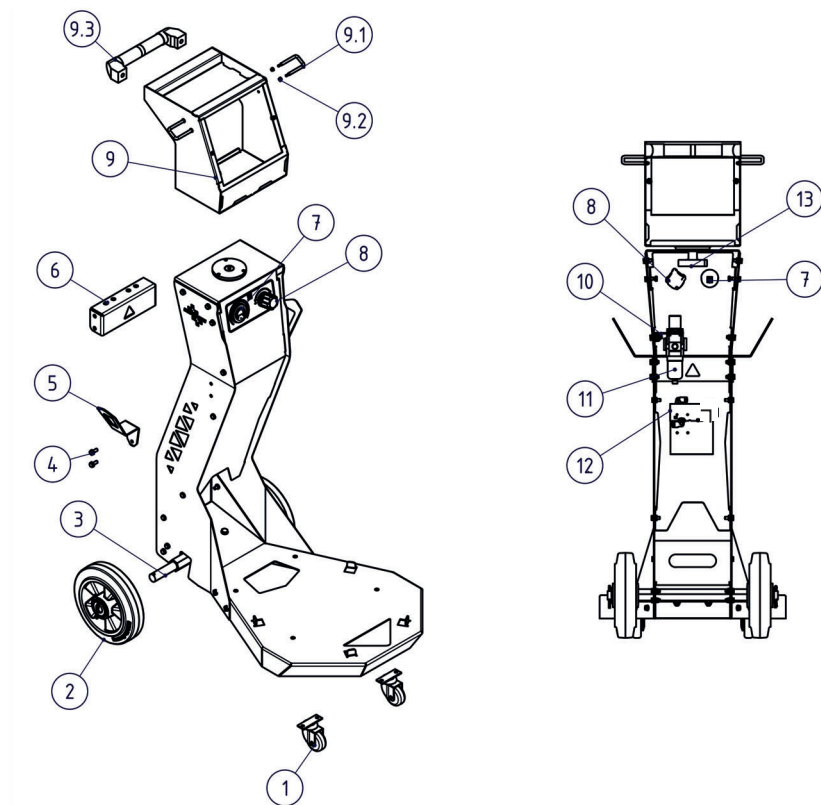
Part No	Order Code	Part Name	Wearing Part
1	B07ECCA011	E-COAT+3 MULTICOLOR SUCTION TUBE ASSEMBLY	N/A
1.1	TRTM03067	E-COAT+3 MULTICOLOR SUCTION TUBE HOLDER BUSHING	N/A
1.2	BEDH13024	E-COAT+3 MULTICOLOR SUCTION TUBE LOCK	N/A
2	B07ECM003+3	E-COAT+3 MULTICOLOR SUCTION TUBE	N/A
3	B07ECCA007	E-COAT+3 MULTICOLOR SUCTION TUBE BRACKET ASSEMBLY	N/A
3.1	BEPL04009	LOCK WASHER	N/A
3.2	TRTM04185	E-COAT+3 MULTICOLOR TUBE ARM HANGER	N/A
4	B06CE20014	E-COAT+3 MULTICOLOR VIBRATION STAND ASSEMBLY	N/A
4.1	AKUA03026	E-COAT+3 MULTICOLOR VIBRATION INSULATOR	N/A
4.2	MPMT03061	VIBRATION MOTOR (115V-60HZ) For hazardous area Class II Division 2	N/A
4.3	TRTM03037	E-COAT+3 MULTICOLOR VIBRATION MOTOR PATCH BLOCK	N/A
4.4	BECV03030	BOLT M6X30 YHB	N/A
5	AKUA08006	E-COAT+3 MOBILE FRONT WHEEL	N/A
6	AKUA08005	E-COAT+3 MOBILE BACK WHEEL 200X50	N/A
7	TRTM04048	E-COAT+3 MOBILE BACK WHEEL SHAFT	N/A
8	BECV06005	BOLT M6X20 YHB	N/A
9	B06CE20025	E-COAT+3 MOBILE TROLLEY HOSE CABLE HANGER	N/A
10	PNPE07002	MANOMETER Ø40 2,5 BAR	N/A
11	PNPE01002	REGULATOR ¼" 0-3,5 BAR	N/A
12	B07560005	E-COAT+3 MOBILE TROLLEY HEAD	N/A
12.1	AKUA04002	E-COAT+3 MOBILE TROLLEY HEAD GUN HANGER	N/A
12.2	AKUA02001	E-COAT+3 MOBILE TROLLEY HEAD HANDLE	N/A
12.3	BESM02001	NUT M4 FIBER TIGHT	N/A
13	B06CE20017	E-COAT+3 MOBILE TROLLEY REGULATOR BRACKET	N/A
14	PNPE02001	REGULATOR ¼" 0,5-8,5 BAR	N/A
15	B07FLUV002	E-COAT+3 DEVICE CART FLUIDIZATION VALVE SET (FM-CSA)	N/A
15.1	PNPE04091	VALVE 3/2 1/4" N.C AIRON (w/o coil)	N/A
15.2	PNPE04094	COIL 8029146 FOR HAZARDOUS AREA CLASS II DIVISION 2 FM3053936 CSA265489	N/A
16	B07EMC001A	E-MULTICOLOR RELAY BOX (FM-US-CSA)	N/A
17	AKUA07011	BAKELITE SCREW KNOBS	N/A
18	B07ECCA001	E-COAT+3 MOBILE TROLLEY BASE ASSEMB	N/A
19	B07ECCA002	E-COAT+3 MOBILE TROLLEY TOP SHEET GROUP	N/A
20	B07ECCA003	E-COAT+3 MOBILE TROLLEY LEFT SHEET GROUP	N/A
21	B07ECCA004	E-COAT+3 DEVICE HEAD ROTATION SHEET GROUP	N/A
22	B07ECCA006	E-COAT+3 MOBILE TROLLEY BACK SUPPORT GROUP	N/A
23	B07ECCA009	E-COAT+3 MULTICOLOR BODY GROUP	N/A
23	B07ECCA009	E-COAT+3 MULTICOLO BODY GROUP	N/A
24	B07ECCA009	E-COAT+3 MULTICOLO BODY GROUP	N/A

Note: The E-COAT+3 Multicolor Suction Tube seen in number 2 is both the Wearing and Recommended Stock Part.

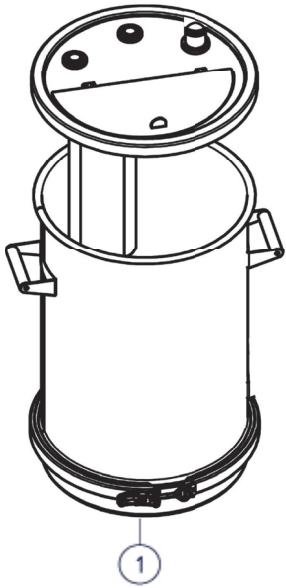


Part No	Order Code	Part Name
*	B07ECM003+3	E-COAT+3 MULTICOLOR SUCTION TUBE
1	TRTM03022	E-COAT+3 MULTICOLOR SUCTION TUBE TOP LID
2	SCBR08002	E-COAT+3 MULTICOLOR SUCTION TUBE (1) Li560
3	SCBR06006	E-COAT+3 MULTICOLOR SUCTION TUBE (2) Li560
4	IZOR01105	O-RING Ø16X2 VITON(FKM) 70-75 SHORE (A) BROWN
5	TRTM03024	E-COAT+3 MULTICOLOR SUCTION TUBE ADAPTER BOTTOM BODY
6	IZOR01027	ORING Ø30X2
7	FRFL08007	E-COAT+3 MULTICOLOR SUCTION TUBE SINTER FILTER
8	TRTM03023	E-COAT+3 MULTICOLOR SUCTION TUBE BOTTOM LID
9	PNBE01003	QUICK COUPLING 1/8" MALE
10	TRTM03117	E-COAT+3 MULTICOLOR LOCKING NUT
11	TRTM03116	E-COAT+3 MULTICOLOR LOCKING BODY

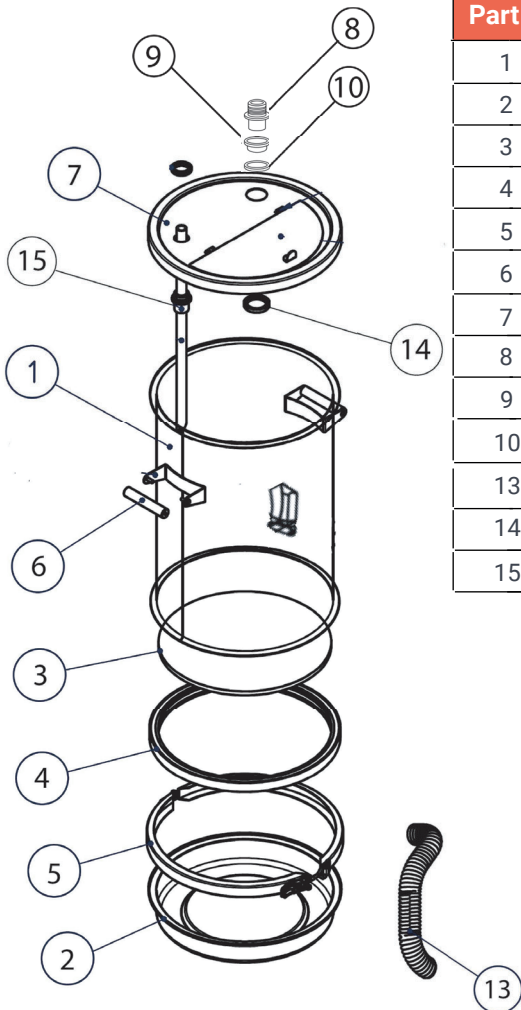
b. (B07ECT119) E-COAT+3 DEVICE CART HOPPER (PRO)



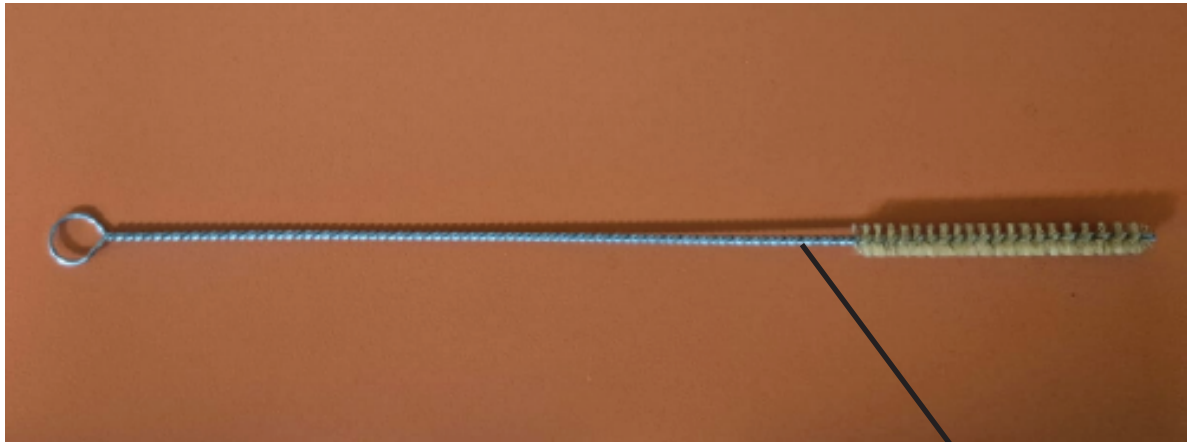
Part No	OrderCode	Pat Name	WearingPart
1	AKUA08006	E-COAT+3 MOBILE TROLLEY FRONT WHEEL	N/A
2	AKUA08005	E-COAT+3 MOBILE TROLLE BACK WHEEL 200X50	N/A
3	TRTM04048	E-COAT+3 MOBILE TROLLE BACK WHEEL SHAFT	N/A
4	BECV06005	BOLT M6X20 YHB	N/A
5	B06CE20025	E-COAT+3 MOBILE TROLLE HOSE CABLE HANGER	N/A
6	B06CE20034	E-COAT+3 MOBILE TROLLEY HOPPER PATCH BLOCK	N/A
7	PNPE07002	MANOMETER Ø40 2,5 BAR	N/A
8	PNPE01002	REGULATOR ¼" 0-3,5 BAR	N/A
9	B07560005	E-COAT+3 MOBILE TROLLEY HEAD	N/A
9.1	AKUA04002	E-COAT+3 MOBILE TROLLEY HEAD GUN HANGER	N/A
9.2	BESM02001	NUT M4 FIBER TIGHT	N/A
9.3	AKUA02001	E-COAT+3 MOBILE TROLLEY HEAD HANDLE	N/A
10	B06CE20017	E-COAT+3 MOBILE TROLLEY REGULATOR BRACKET	N/A
11	PNPE02001	REGULATOR ¼" 0,5-8,5 BAR	N/A
			N/A
13	AKUA07011	BAKELITE SCREW KNOBS	N/A



Part No	Order Code	Part Name
1	A05EH0050+3	E-HOPP50+3 50 LT STAINLESS POWDER COATING HOPPER



Part No	Order Code	Part Name	Wearing Part	
1	B06CE02001	E-HOPP50 HOPPER MAIN BODY	N/A	N/A
2	SCSC05003	E-HOPP50 BOTTOM LID	N/A	N/A
3	FRFL07003	E-HOPP50 FLUIDIZATION PLATE	✓	✓
4	IZCS02001	E-HOPP50 FLUIDIZATION PLATE GASKET	✓	✓
5	B07EH50901	E-HOPP50 BOTTOM LID LOCK	N/A	N/A
6	TRTM04041	E-HOPP50 BODY HOLDER Ø20 L110	N/A	N/A
7	B10C0003	E-HOPP50 TOP LID (BARE METAL PART)	N/A	N/A
8	TRTM4053	HOSE INLET CONNECTOR AA36 L54	N/A	N/A
9	TRTM04042	HOSE INLET CONNECTOR NUT Ø50 L8	N/A	N/A
10	TRTM04043	EXHAUST HOSE INLET CONNECTOR Ø50 L25	N/A	N/A
13	B07EH50903	E-HOPP50 EXHAUST HOSE	✓	✓
14	TRTM04193	EXHAUST HOSE ADAPTER CONNECTOR NUT Ø50	N/A	N/A
15	B07KEYT001	E-HOPP50 50 LT CHROME HOPPER SUCTION PIPE SET	N/A	N/A



1



Part No	Order Code	Part Name
1	AKUA03178	GUN BRUSH

Note: Optional part (used for cleaning the inside of the gun, ordered separately)

9. Service and Maintenance Table

DATE	MAINT. TYPE -Weekly -Yearly -Service	MAINT. OR SERVICE PERSONNEL	PROCEDURE CHANGED PARTS NOTES	CONTROL SUPERVISOR

10. Product Life and Warranty

10.1. Product Life

- The economic life of E-COAT+3 Pro is approximately 10 years.
- This product life is highly dependent on the periodic maintenances and spare part changes in a timely manner. Improper maintenance will lead to lower product life.
- SİSTEM TEKNİK A.Ş. warrants supplying the needed service and the spare parts for the entire product life.

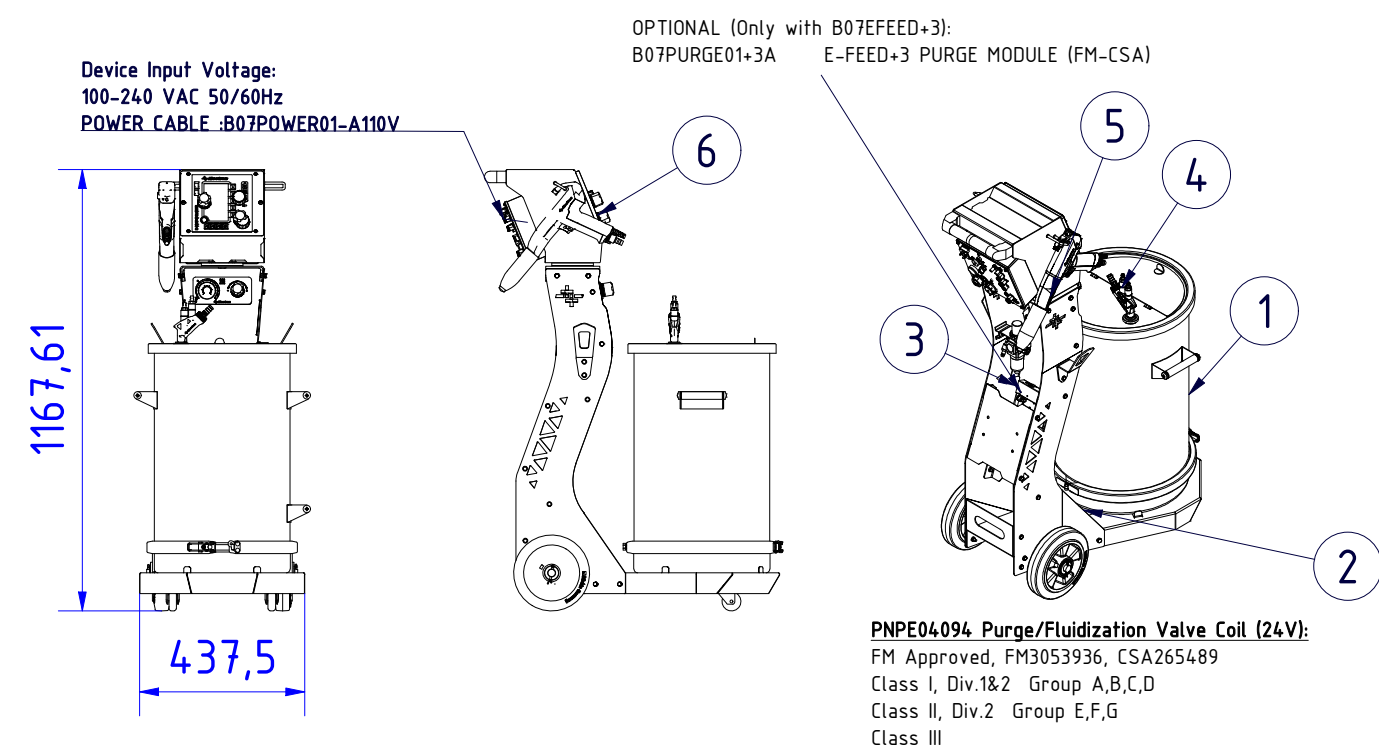
10.2. Warranty and Warranty Condi

- The control unit is warranted for production and parts failure for 2 (two) years.
- Spare parts that are changed from the warranty are free-of-charge.
- The parts that are supplied in the system which are not produced by SİSTEM TEKNİK A.Ş. are warranted with their own manufacturers and their own conditions.
- SİSTEM TEKNİK A.Ş. will not be held responsible for the improper usage of the machine or any unauthorized usage. These are not in the warranty.
- SİSTEM TEKNİK A.Ş. will not be held responsible for any malfunctions that may occur when grounding conditions are not met..

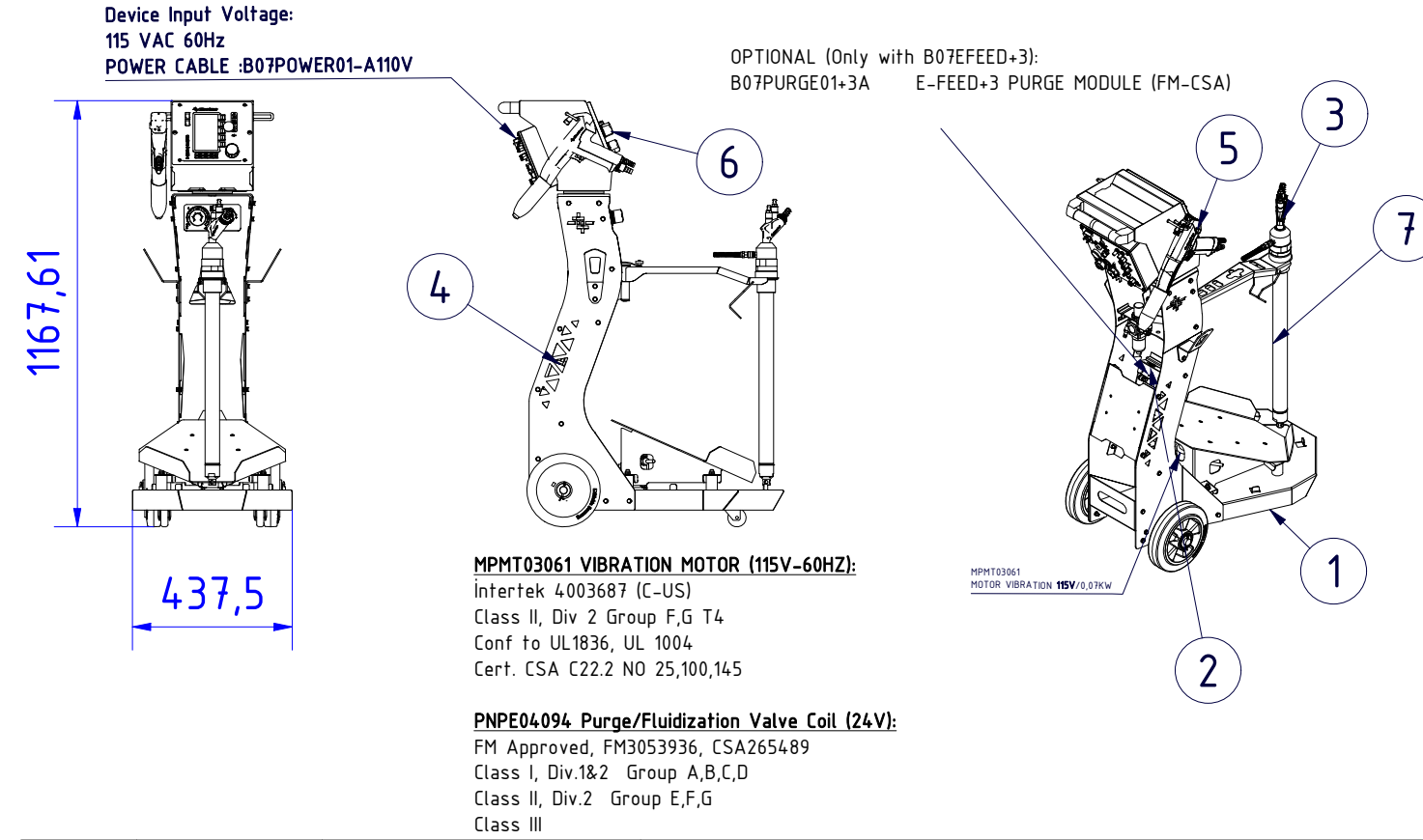
10.3. Operating Condi

- Read the user manual before using the gun.
- Only legally allowed people can operate E-COAT+3 Pro.
- Only trained and authorized people can operate E-COAT+3 Pro .
- SİSTEM TEKNİK A.Ş.'s suggested spare parts should be used at all times.
- Proper maintenance has to be done and the spare parts has to be changed in a timely manner
- The operational safety has to be assured by the customer; the operators who are not capable of working under safety rules shouldn't be operating the Control Unit.
- All the suggestions and warnings in this manual have to be carefully considered and applied.

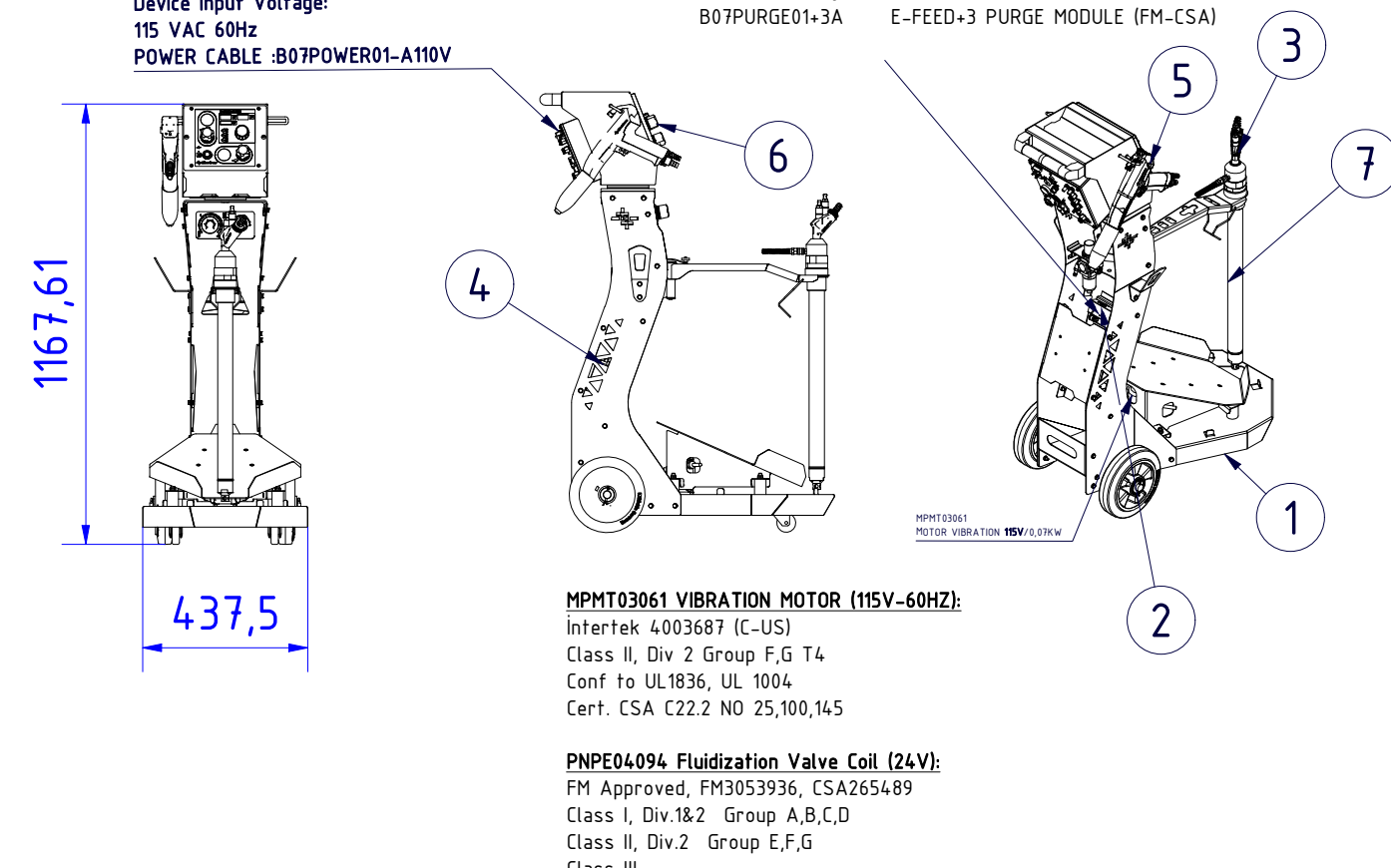
FM APPROVED DEVICES AND CRITICAL COMPONENTS

A06ECM01H+3-A110V
E-COAT+3 MASTER H MANUEL POWDER COATING DEVICE (A110V)

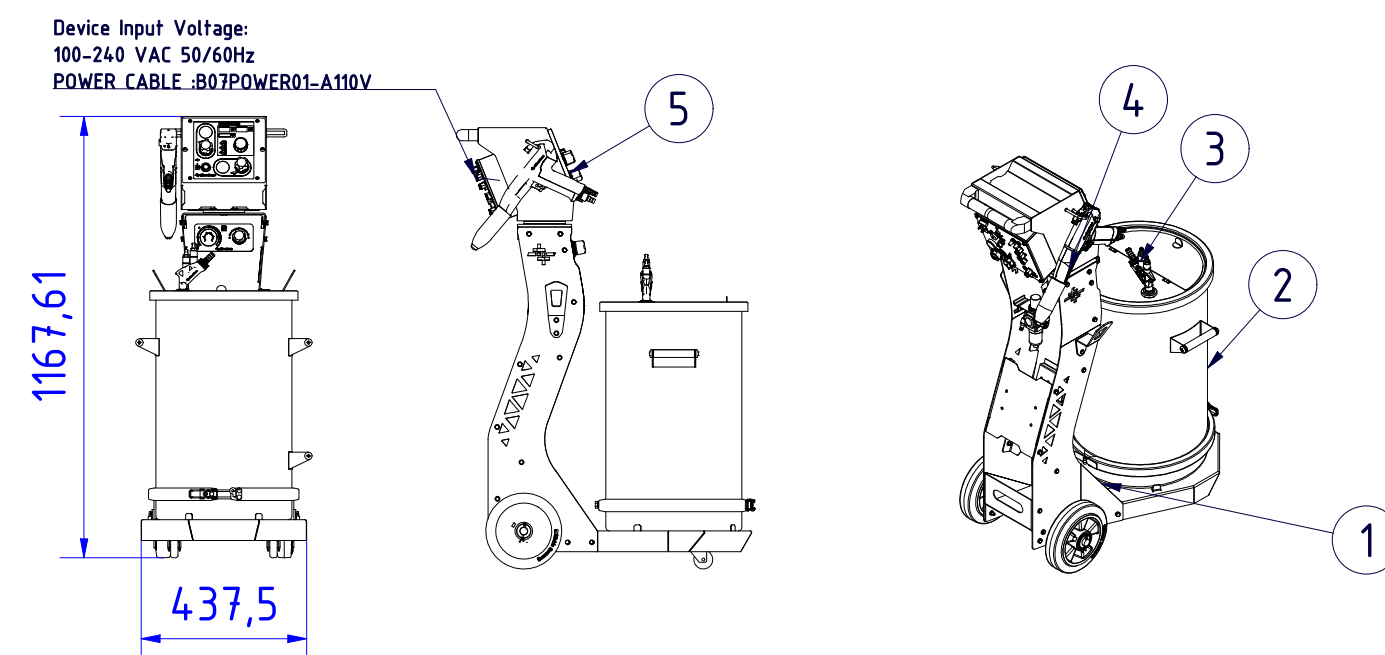
ITEM	QTY	STOCK NUMBER	DESCRIPTION
1	1	A05EH0050+3	E-HOPP50 50LT HOPPER
2	1	B07ECT118	E-COAT+3 DEVICE CART HOPPER (US VERSION)
3	1	B07FLUV002	E-COAT+3 DEVICE CART FLUIDIZATION VALVE SET (FM-CSA)
4	1	B07FEED+3	E-FEED+3 VENTURI PUMP INJECTOR
5	1	B07EGC100+3	E-GUN+3 C1 MANUAL POWDER COATING GUN
6	1	B07ECMU01+3	E-COAT+3 MASTER CONTROL UNIT

A06ECM01M+3-A110V
E-COAT+3 MASTER M MANUEL POWDER COATING DEVICE(A110V)

ITEM	QTY	STOCK NUMBER	DESCRIPTION
1	1	B07ECT109	E-MULTICOLOR+3 DEVICE CART (A-110V)
2	1	B07FLUV002	E-COAT+3 DEVICE CART FLUIDIZATION VALVE SET (FM-CSA)
3	1	B07FEED+3	E-FEED+3 VENTURI PUMP INJECTOR
4	1	B07EMC001A	E-MULTICOLOR RELAY BOX (FM-CSA)
5	1	B07EGC100+3	E-GUN+3 C1 MANUAL POWDER COATING GUN
6	1	B07ECMU01+3	E-COAT+3 MASTER CONTROL UNIT
7	1	B07ECM003+3	E-COAT+3 MULTICOLOR EMİŞ BORUSU

A06ECM04M+3-A110V
E-COAT+3 PRO M MANUEL POWDER COATING DEVICE (A110V)

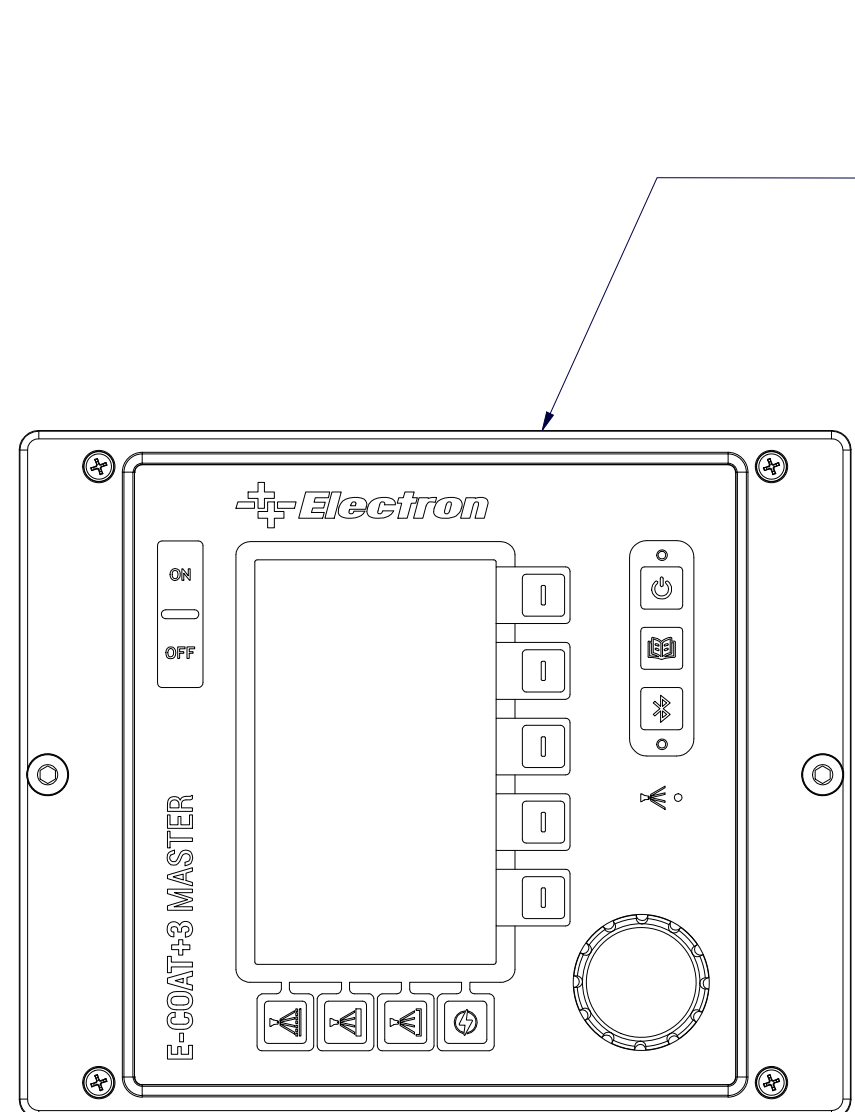
ITEM	QTY	STOCK NUMBER	DESCRIPTION
1	1	B07ECT109	E-MULTICOLOR+3 DEVICE CART (A-110V)
2	1	B07FLUV002	E-COAT+3 DEVICE CART FLUIDIZATION VALVE SET (FM-CSA)
3	1	B07FEED+3	E-FEED+3 VENTURI PUMP INJECTOR
4	1	B07EMC001A	E-MULTICOLOR RELAY BOX (FM-CSA)
5	1	B07EGC200+3	E-GUN+3 C2 MANUAL POWDER COATING GUN
6	1	B07ECPU03	E-COAT+3 PRO CONTROL UNIT
7	1	B07ECM003+3	E-COAT+3 MULTICOLOR EMİŞ BORUSU

A06ECM04H+3-A110V
E-COAT+3 PRO H MANUEL POWDER COATING DEVICE (A110V)

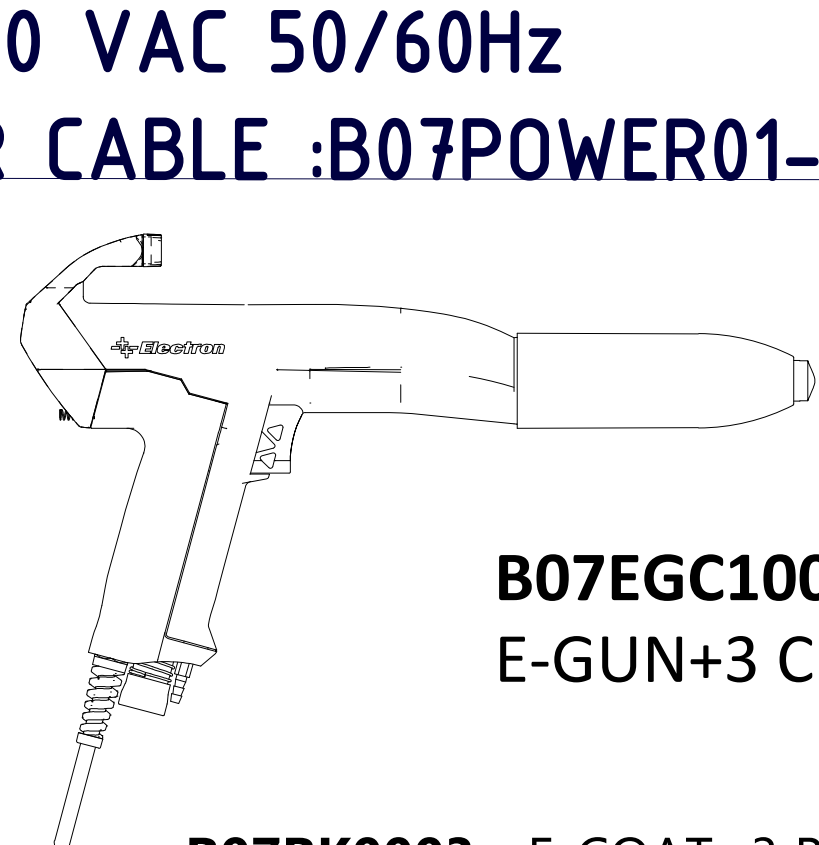
ITEM	QTY	STOCK NUMBER	DESCRIPTION
1	1	B07ECT119	E-MULTICOLOR+3 DEVICE CART HOPPER (PRO)
2	1	A05EH0050+3	E-HOPP50 50LT HOPPER
3	1	B07FEED+3	E-FEED+3 VENTURI PUMP INJECTOR
4	1	B07EGC200+3	E-GUN+3 C2 MANUAL POWDER COATING GUN
5	1	B07ECPU03	E-COAT+3 PRO CONTROL UNIT

A06ECM01B+3-A110V
E-COAT+3 MASTER B MANUEL POWDER COATING DEVICE (A-110V)

Device Input Voltage:
100-240 VAC 50/60Hz
POWER CABLE :B07POWER01-A110V

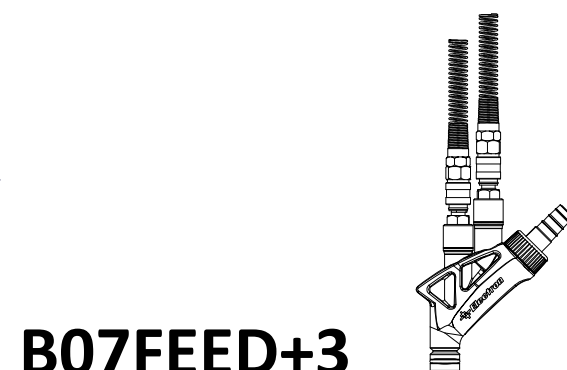


B07ECMU01+3
E-COAT+3 MASTER CONTROL UNIT

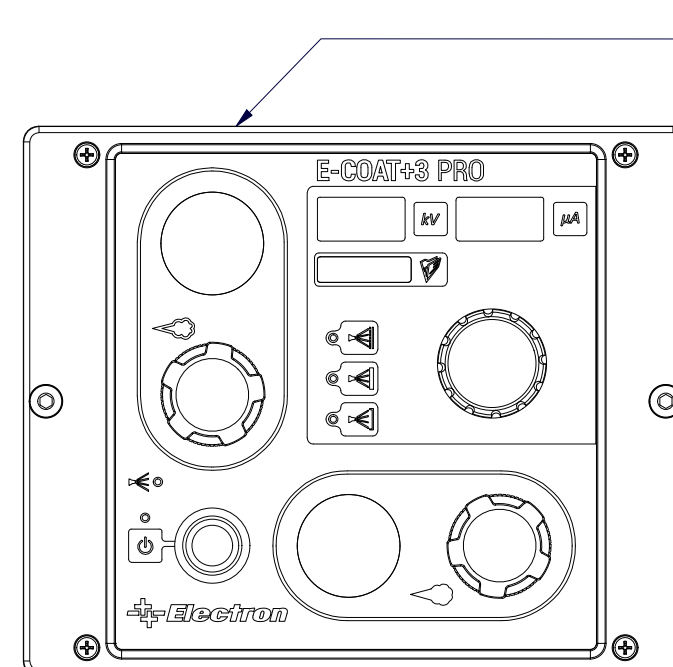


B07EGC100+3
E-GUN+3 C1 MANUEL POWDER COATING GUN

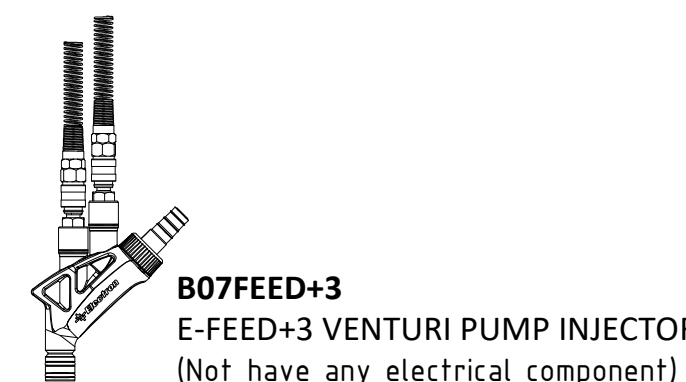
B07BK0003 - E-COAT+3 BARE KIT PNEUMATIC SET - COMPLETE include;
PNPE04094 Fluidization Valve Coil (24V):
FM Approved, FM3053936, CSA265489
Class I, Div.1&2 Group A,B,C,D
Class II, Div.2 Group E,F,G
Class III



B07FEED+3
E-FEED+3 VENTURI PUMP INJECTOR
(Not have any electrical component)

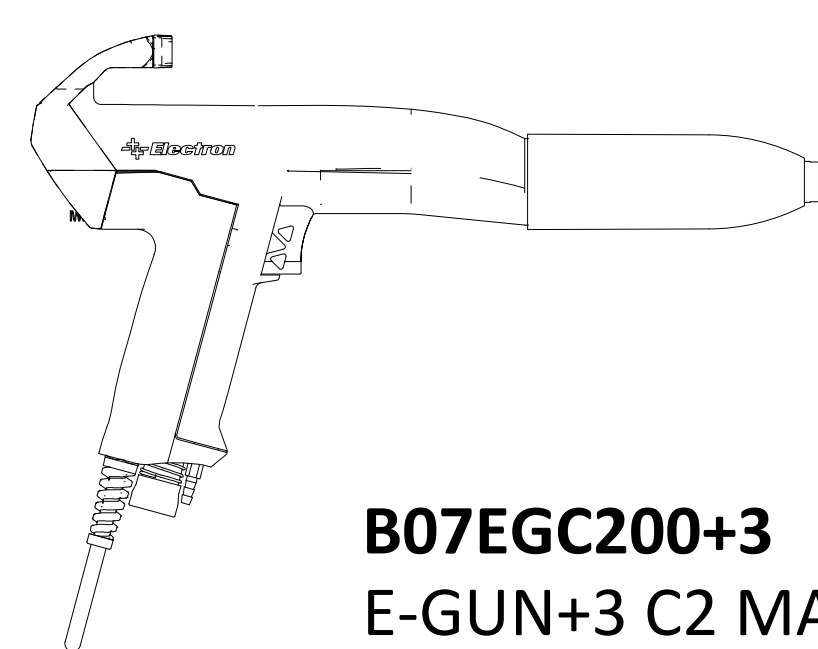
~~**A06ECM04B+3-A110V**~~
~~E-COAT+3 PRO B MANUEL POWDER COATING DEVICE (A-110V)~~

B07ECPU03
E-COAT+3 PRO CONTROL UNIT



B07FEED+3
E-FEED+3 VENTURI PUMP INJECTOR
(Not have any electrical component)

Device Input Voltage:
100-240 VAC 50/60Hz
~~POWER CABLE :B07POWER01-A110V~~

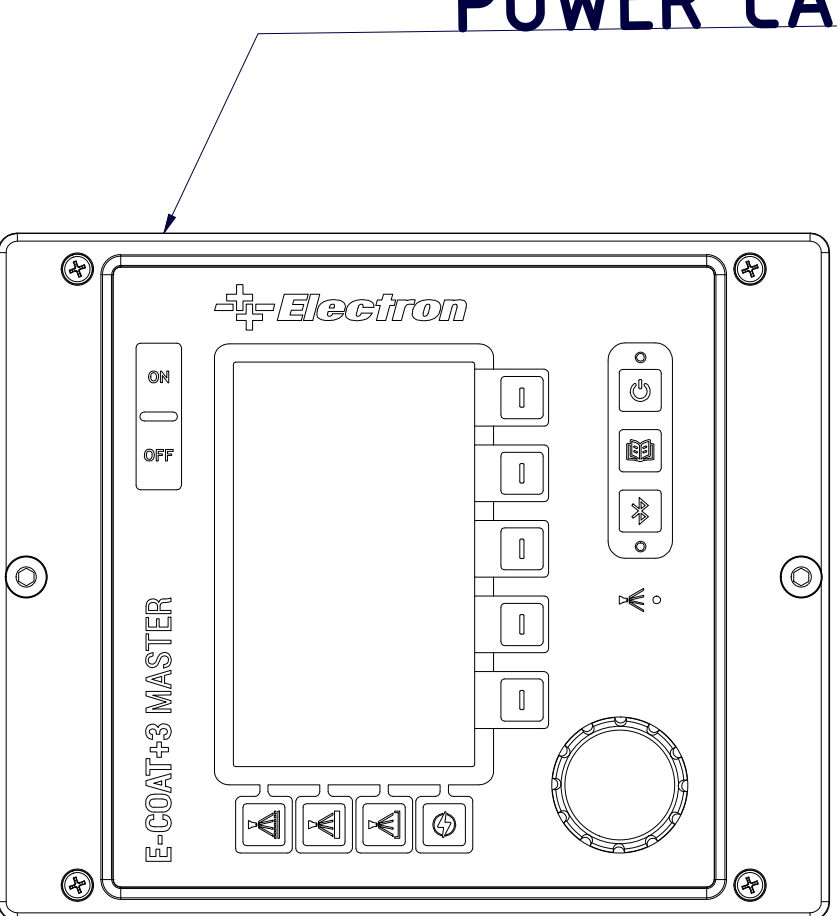


B07EGC200+3
E-GUN+3 C2 MANUEL POWDER COATING GUN

B07ECSP52-A110V
include fluidization valve set
B07BK0004 - E-COAT+3 BASIC BARE KIT PNEUMATIC SET - COMPLETE
(Not have any electrical component)

A06ECA01A+3
E-COAT+3 MASTER A AUTOMATIC POWDER COATING DEVICE

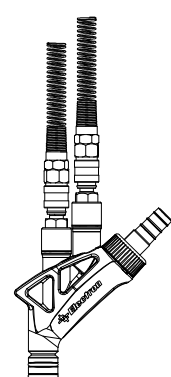
Device Input Voltage:
100-240 VAC 50/60Hz
POWER CABLE :B07POWER02



B07ECMU01+3
E-COAT+3 MASTER CONTROL UNIT



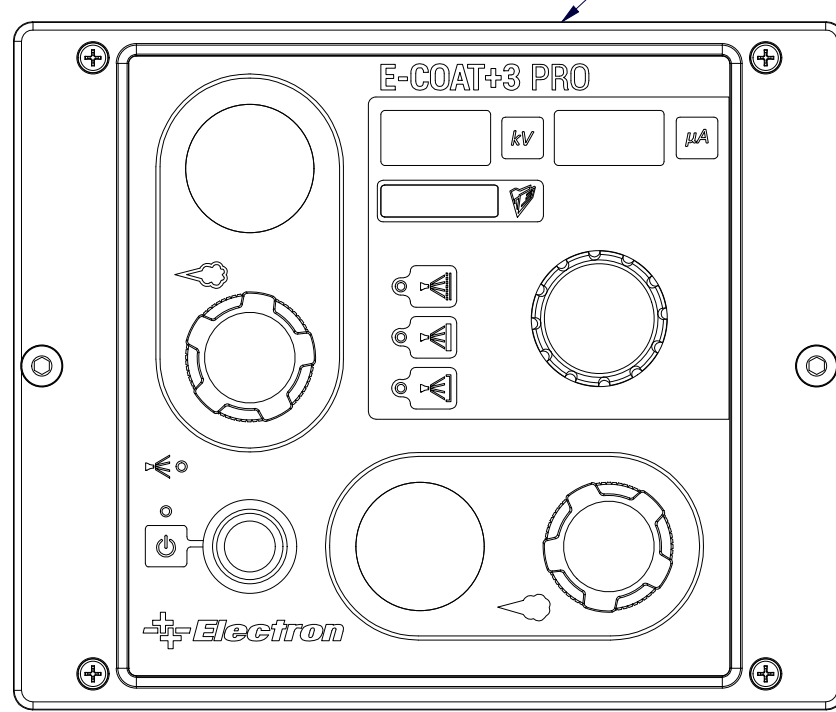
B07EGC300+3
E-GUN+3 C3 AUTOMATIC POWDER COATING GUN



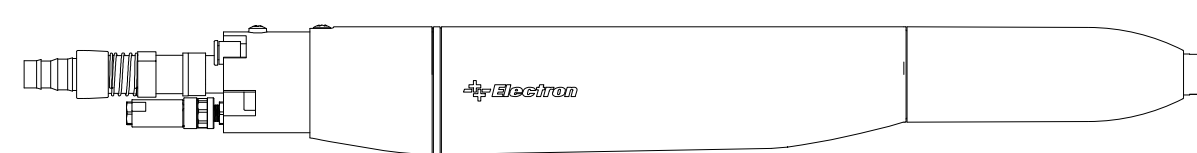
B07FEED+3
E-FEED+3 VENTURI PUMP INJECTOR
(Not have any electrical component)

A06ECA04A+3
E-COAT+3 PRO A AUTOMATIC POWDER COATING DEVICE

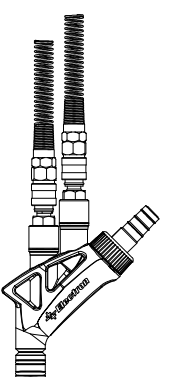
Device Input Voltage:
100-240 VAC 50/60Hz
POWER CABLE :B07POWER02



B07ECPU03
E-COAT+3 PRO CONTROL UNIT



B07EGC300+3
E-GUN+3 C3 AUTOMATIC POWDER COATING GUN



B07FEED+3
E-FEED+3 VENTURI PUMP INJECTOR
(Not have any electrical component)

Product Code	Description	Classification
B07EGC100+3	E-GUN+3 C1 MANUEL POWDER COATING GUN	For Electrostatic Finishing Applications using Class II Spray Material
B07EGC200+3	E-GUN+3 C2 MANUEL POWDER COATING GUN	For Electrostatic Finishing Applications using Class II Spray Material
B07EGC300+3	E-GUN+3 C3 AUTOMATIC POWDER COATING GUN	For Electrostatic Finishing Applications using Class II Spray Material
B07ECMU01+3	E-COAT+3 MASTER CONTROL UNIT	Class II, Division 2, Groups F, G
B07ECPU03	E-COAT+3 PRO CONTROL UNIT	Class II, Division 2, Groups F, G
B07EMC001A	E-MULTICOLOR RELAY BOX (FM-CSA)	Class II, Division 2, Groups F, G
B07ECT109	E-MULTICOLOR+3 DEVICE CART (A-110V)	For Electrostatic Finishing Applications using Class II Spray Material when configured according to control drawing E-FM-2025-001
B07ECT118	E-COAT+3 DEVICE CART HOPPER (US VERSION)	For Electrostatic Finishing Applications using Class II Spray Material when configured according to control drawing E-FM-2025-001
B07ECT119	E-COAT+3 DEVICE CART HOPPER (PRO)	Not have any electrical component

CRITICAL
No revisions permitted without approval of the proper agency

REVISION HISTORY				E-Coat+ 3 Manual and Automatic Powder Coating Spray Systems			
ZONE	REV	DESCRIPTION	DATE	APPROVED	Client	Issued	Revision No
ALL	250829 (00)	INITIAL RELEASE	29.08.2025	S.KAYA	S.KAYA	01	02
	250830 (01)	MINOR TYPO CORRECTED	30.08.2025	S.KAYA			
NOTICE	02	ADDED	9.03.2026	S.KAYA			

Project FM APPROVAL

Revision No 02

Month Number: E-FM-2025-001

Month Name: E-Coat+ 3 Manual and Automatic Powder Coating Spray Systems

1 / 1



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