
Operating instructions and spare parts list

OptiSelect

Manual powder gun

(for OptiSpray DPP01
Dense phase pump)



Translation of the original operating instructions

Documentation OptiSelect Manual powder gun for DPP01

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Table of contents

General safety regulations	3
Safety symbols (pictograms).....	3
Conformity of use.....	3
Product specific security measures	4
OptiSelect Manual powder gun for DPP01	4
About this manual	5
General information	5
Function description	7
Field of application	7
Typical characteristics.....	7
Scope of delivery	8
OptiSelect Manual powder gun for DPP01	8
OptiSelect Manual powder gun for DPP01	8
Structure.....	8
High voltage generation	9
Circuit.....	9
Powder flow and rinsing air.....	9
Remote control by gun	9
Spray nozzles.....	10
Standard set.....	10
Nozzle 150 mm	10
Nozzle 300 mm	10
Flat jet nozzle with vented central electrode.....	11
Round jet nozzle with vented deflector and vented central electrode	11
SuperCorona set.....	12
Field of application	12
Scope of delivery	12
SuperCorona assembly	13
Technical data	15
OptiSelect Manual powder gun for DPP01	15
Electrical data	15
Start-up and operation	17
Connecting guide	17
Connection with manual gun.....	18
Connection with automatic gun.....	18
Start-up	19
Maintenance and cleaning	21
Daily maintenance	21
Weekly maintenance.....	21
Cleaning.....	21

Cleaning the OptiSelect Manual powder gun	21
Cleaning the spray nozzles	22
Dismantle the gun.....	23
Dismantle the gun.....	23
Replacing the powder gun cable	25
Assembling the gun	26
Replacing parts.....	26
Troubleshooting	27
General information	27
Spare parts list	29
Ordering spare parts.....	29
OptiSelect Manual powder gun for DPP01 - spare parts list.....	30
Remarks	30
OptiSelect Manual powder gun for DPP01 - spare parts	31
OptiSelect Manual powder gun for DPP01 - spare parts list (cont.).....	32
OptiSelect Manual powder gun for DPP01 - nozzle combinations.....	33
OptiSelect Manual powder gun for DPP01 - SuperCorona	34
OptiSelect Manual powder gun for DPP01 - diffuser	35
OptiSelect Manual powder gun for DPP01 - accessory	36
OptiSelect flat jet nozzles - overview.....	36
OptiSelect round jet nozzles - overview	37
OptiSelect gun extensions and SuperCorona	38
Powder hoses - overview	39
Powder hose connectors - overview	40
Miscellaneous parts.....	41

General safety regulations

This chapter specifies the fundamental safety regulations that must be followed by the user and third parties using the OptiSelect Manual powder gun for DPP01.

These safety regulations must be read and understood before the OptiSelect Manual powder gun for DPP01 is used.

Safety symbols (pictograms)

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

**DANGER!**

Danger due to live electricity or moving parts. Possible consequences: Death or serious injury

**WARNING!**

Improper use of the equipment could damage the machine or cause it to malfunction. Possible consequences: minor injuries or damage to equipment



**INFORMATION!**

Useful tips and other information

Conformity of use

1. The OptiSelect Manual powder gun for DPP01 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 OptiSelect Manual powder gun for DPP01 is to be used for other purposes or other substances outside of our guidelines then ITW Gema GmbH should be consulted.

3. Observance of the operating, service and maintenance instructions specified by the manufacturer is also part of conformity of use. The OptiSelect Manual powder gun for DPP01 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 (i.e. the execution of a particular operation) is forbidden until it has been established that the OptiSelect Manual powder gun for DPP01 has been set up and wired according to the guidelines for machinery (98/37 EG). EN 60204-1 (machine safety) must also be observed.
5. Unauthorized modifications to the OptiSelect Manual powder gun for DPP01 exempts the manufacturer from any liability from resulting damage.
6. The relevant accident prevention regulations, as well as other generally recognized safety regulations, occupational health and structural regulations are to be observed.
7. Furthermore the country-specific safety regulations must be observed.

Explosion protection	Protection type	Temperature class
 	IP64	T6 (Powder gun)

Product specific security measures

- The installation work, to be done by the customer, must be carried out according to local regulations
- Before starting up the plant a check must be made that no foreign objects are in the booth or in the ducting (input and exhaust air)
- It must be observed, that all components are grounded according to the local regulations, before start-up

OptiSelect Manual powder gun for DPP01

The OptiSelect Manual powder gun for DPP01 is a component of the system and is thus integrated into the safety system of the plant.

For the use outside of the safety concept, corresponding measures must be taken.

About this manual

General information

This operating manual contains all the important information which you require for the working with the OptiSelect Manual powder gun for DPP01. It will safely guide you through the start-up process and give you references and tips for the optimal use of your new powder coating system.

Information about the function mode of the individual system components - reciprocators, booths, powder gun control units, powder guns etc. - should be referenced to their corresponding documents.

Function description

Field of application

The OptiSelect Manual powder gun for DPP01 is built exclusively for the electrostatic coating with organic powders. Any other use is considered as non-conform. The manufacturer is not responsible for any incorrect use, the risk for this is assumed by the user alone!

The extremely light OptiSelect Manual powder gun for DPP01 with integrated high voltage generation can produce optimum penetration and high charging efficiency. The gun is detachable, therefore easy for maintenance and repair.

Typical characteristics

- Ergonomic constructed
- Weight-optimized (520 gr.) with solid construction
- Gun balanced to reduce hand fatigue during coating operation
- Hermetically sealed construction, no powder penetration
- Powder tube integrated in the gun body with knee piece resistant to wear and powder depositions
- The remote control increases the coating flexibility by an independent adjustment of the application parameters
- Diffuser for the spraying of the powder
- Integrated high voltage cascade
- Integrated electrode rinsing air
- Grounded, ergonomic gun handle
- Easy one finger guided trigger
- Nozzles and extensions are compatible with the OptiGun Automatic gun
- Optional extension with SuperCorona kit

Scope of delivery

OptiSelect Manual powder gun for DPP01

- An OptiSelect Manual powder gun for DPP01 with gun cable, 2 m
- Rinsing air hose, 14 m
- Flat jet nozzle, complete
- Round jet nozzle with deflector kit (Ø 16, 24 and 32 mm)
- Cable tie with Velcro closure
- Gun cleaning brush
- Spare parts kit

OptiSelect Manual powder gun for DPP01

Structure



- | | |
|--------------------------------|--------------------------------------|
| 1 Spray nozzle system | 9 Gun handle |
| 2 Threaded sleeve | 11 Gun cable |
| 3 Shaft | 15 Diffuser |
| 5 Mounting hook (exchangeable) | 16 Rinsing air connection |
| 6 Cover with remote control | 17 Trigger |
| 7 Remote control keys | 19 Diffuser quick release connection |

High voltage generation

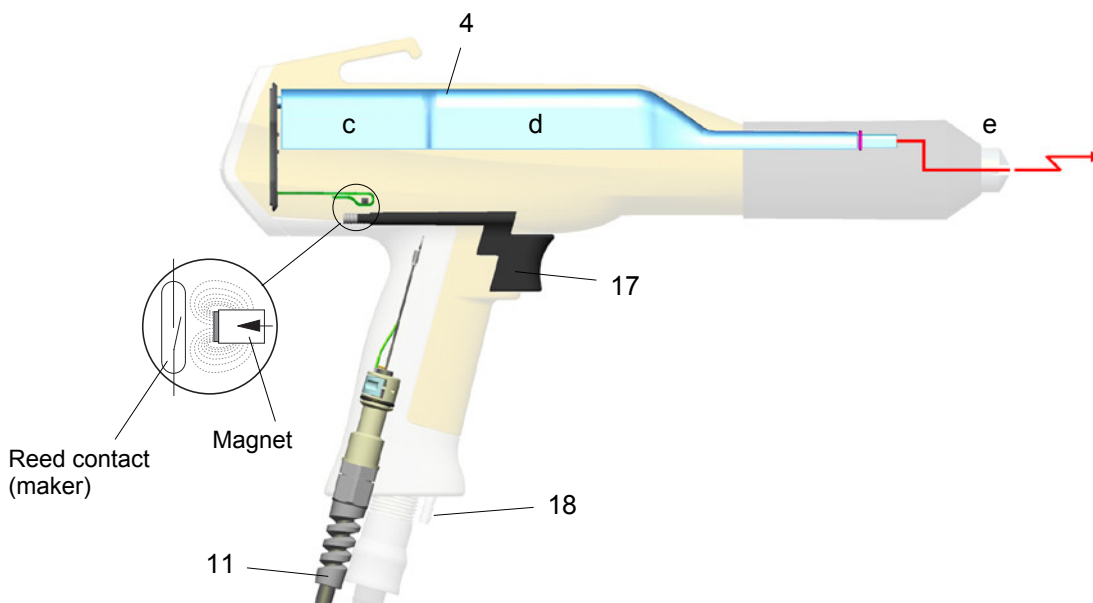
The control unit supplies a high-frequency low voltage signal of approx. 10 V eff. This voltage is fed through the gun cable (11) to the high voltage cascade (4) in the gun body.

In the high voltage cascade (4), the low voltage is high-transformed in a first step (c). This primary high voltage is subsequently rectified and multiplied in the high voltage cascade in a second step (d), until the required high voltage is obtained at the end (approx. 100 kV). The high voltage is now fed to the electrode (e) within the spray nozzle.

Circuit

In addition to the modulated low voltage needed for high voltage generation, there are signal lines fed through the gun cable. The control signals are used for monitoring gun trigger status and gun remote control functions.

The gun is released by a reed switch, which is operated by a magnet in the trigger (17). The gun control unit switches on the modulated low voltage, the powder transport and the rinsing air.



OptiSelect Manual powder gun for DPP01 - circuit

Powder flow and rinsing air

The rinsing air (18), used by vented spray nozzles, is connected with its designated connection on the rear side of the gun control unit (see the operating manual of the gun control unit). The functions of the spray nozzles are described in the corresponding section of this manual.



Remote control by gun

Various functions are remotely controlled with the + and - keys on the rear side of the gun:



- Modify the powder output (press the + or - key on the gun)
The powder output will be increased or decreased accordingly
- Change application modes (preset and program) by pressing the + and - keys on the gun at the same time. The change takes place counterclockwise. Check by observing the key LEDs on the control unit



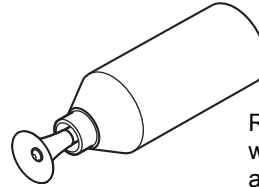
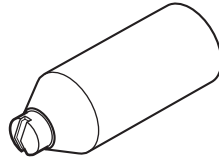
Note:

By pressing one of the keys, the preset values will be displayed versus the actual values!

Spray nozzles

Standard set

Flat jet nozzle with vented central electrode

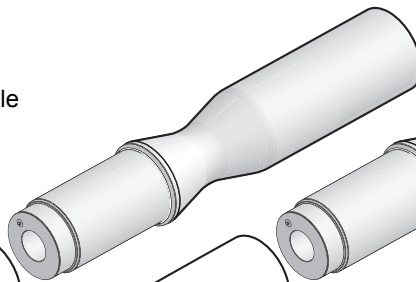
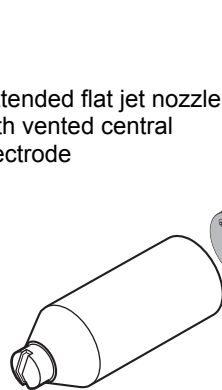


Round jet nozzle with vented deflector and vented central electrode

Nozzle 150 mm

(Not part of the standard set, available separately, see spare parts list)

Extended flat jet nozzle with vented central electrode



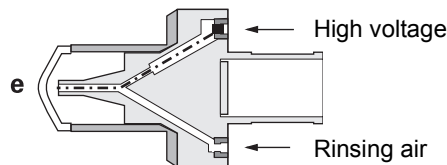
Extended round jet nozzle with vented deflector and vented central electrode

Nozzle 300 mm

Not shown (not part of the standard set, available separately, see spare parts list)!

Flat jet nozzle with vented central electrode

The vented flat jet nozzle serves for the spraying and the charging of the powder. The powder cloud obtains an oval spray pattern by the slot-shaped opening. The powder is charged by the central electrode. The high voltage, which is created in the gun cascade, is conducted through the black contact ring of the nozzle holder to the central electrode.

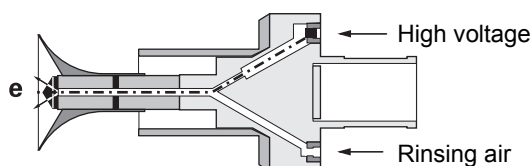


In order to prevent powder from sintering on the electrode, compressed air is used during the spray process. Therefore, the rinsing air is fed through the small hole in the black contact ring of the nozzle holder, and into the electrode holder.

The rinsing air adjustment on the gun control unit is described in the corresponding operating manual.

Round jet nozzle with vented deflector and vented central electrode

The vented deflector is used, to give the powder stream emerging from the gun, a cloud formation. The powder is charged by the central electrode. The high voltage, which is created in the gun cascade, is conducted through the black contact ring of the nozzle holder to the central electrode.



Since powder can accumulate on the rear side of the deflector, this must be rinsed with compressed air. The rinsing air is fed through the small hole in the black contact ring of the nozzle holder into the electrode holder, and is driven in such a way, that it flows over the surface of the deflector rear side. The rinsing air cleaning ability depends on the powder and its sintering ability.

The rinsing air adjustment on the gun control unit is described in the corresponding operating manual.

SuperCorona set

Field of application

The SuperCorona is an optional extension for the OptiSelect Manual powder gun, which allows a better surface quality when coating with the powder coating equipment.

When coating wheel rims, drawers, radiators, lamps etc. the surface quality is exceptional, also in places with higher coating layer requirements. By coating with several powder types, an "orange peel" finish can be completely avoided. By coating with structure powder, the "picture frame effect" is hardly visible.

The performance of the OptiSelect Manual powder gun for DPP01 with SuperCorona is convincing due to its very good charging and very high deposition rate as well as an improved penetration in Faraday cages. The distance between nozzle and workpiece can be reduced to 100 mm without influencing the surface finish.

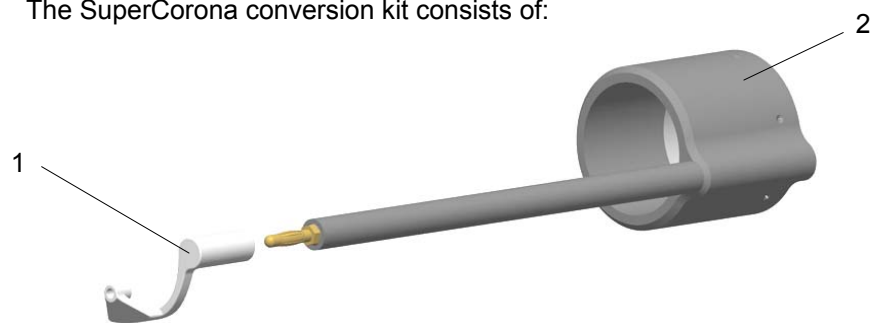


SuperCorona - retrofit

Due to its modular structure, the OptiSelect Manual powder gun for DPP01 can be fast and easily extended with the light SuperCorona (approx. 60 g). With the additional SuperCorona ring attached to the OptiSelect gun, it remains repair-friendly and easy for maintenance.

Scope of delivery

The SuperCorona conversion kit consists of:

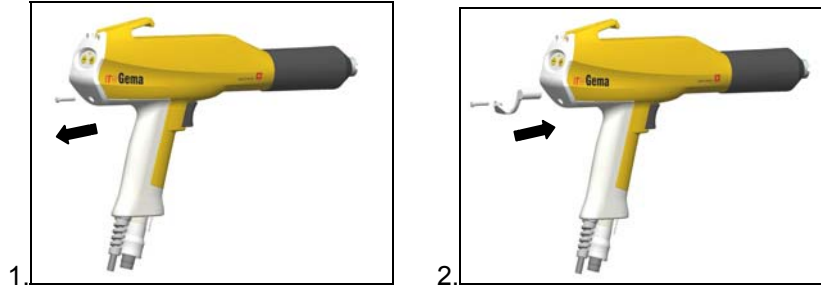


1 SuperCorona connection

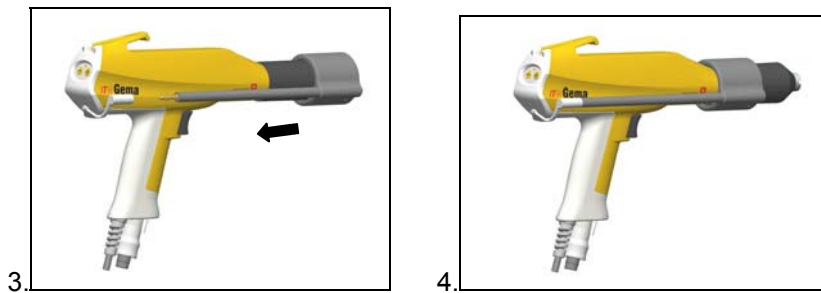
2 SuperCorona ring

SuperCorona assembly

Before fitting the SuperCorona ring, make sure that the connection and the plug-in connector are free from grease and powder, otherwise the electric contact cannot be guaranteed.



Fasten the SuperCorona connection with the existing screw on the rear side of the gun (1 and 2).





Insert the SuperCorona ring on the threaded sleeve (3) and connect it to the SuperCorona connection (4).

Technical data

OptiSelect Manual powder gun for DPP01

Electrical data

OptiSelect Manual powder gun for DPP01	
Nominal input voltage	10 V eff.
Frequency	approx. 18 kHz
Nominal output voltage	100 kV
Polarity	negative
Max. output current	100 μ A
High voltage display	with LED
Ignition protection	Ex 2 mJ T6
Temperature range	0 °C - +40 °C (+32 °F - +104 °F)
Max. operating temperature	85 °C (+185°F)
Approvals	  II 2 D PTB05 ATEX 5007



Attention:

The OptiSelect Manual powder gun for DPP01 can be connected only to the OptiStar CG06-CP and CG07-P control units!

Start-up and operation

Connecting guide



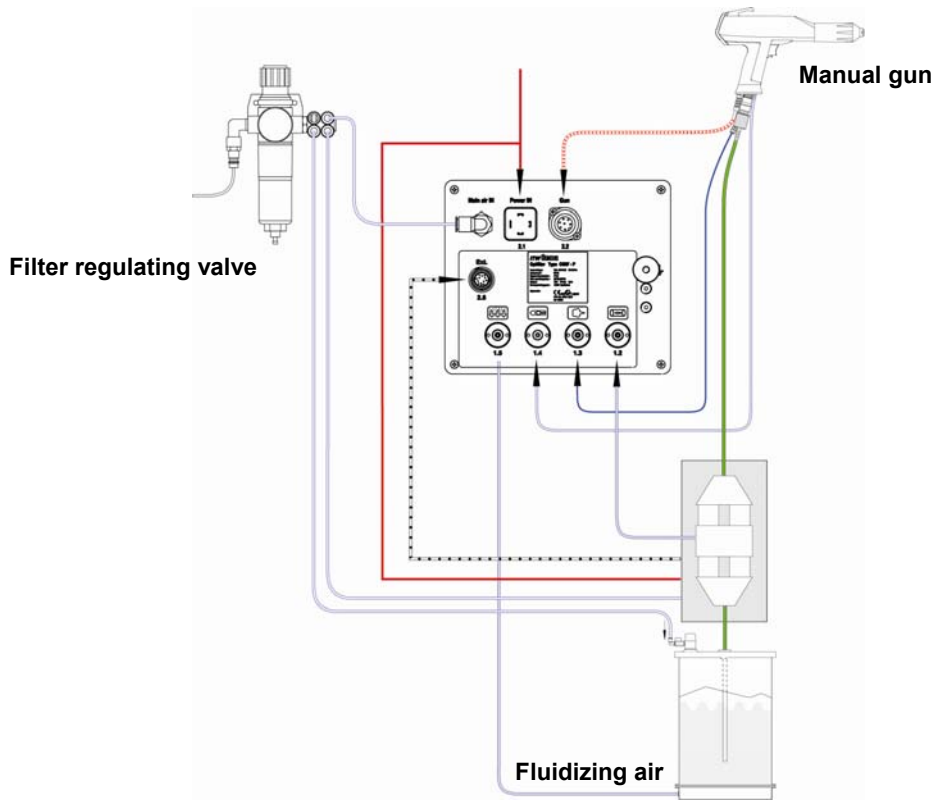
1. Check the compressed air connection from the filter regulating valve to the control unit, the dense phase pump and the Airmover. Connect the compressed air supply hose from the compressed air circuit directly to the main connection of the filter regulating valve

Note:

The compressed air must be free of oil and water!

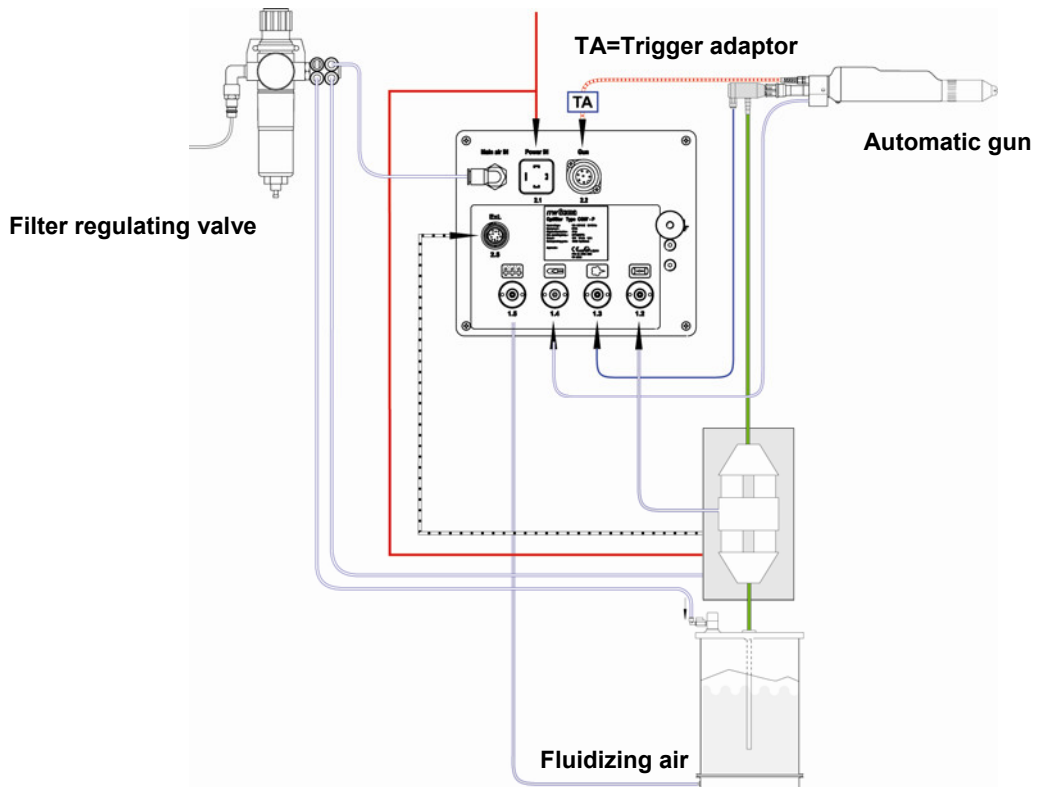
2. Connect the black hose for fluidizing air (electrically conductive) to the output **1.5** on the rear side of the control unit
3. Connect the grounding cable to the control unit with the grounding screw, and the 5 m long grounding cable with the clamping clip to the booth or the conveyor. Check ground connections with Ohm meter and ensure 1 MOhm or less
4. Connect the gun cable plug to the socket **2.2** on the rear side of the control unit
5. Connect the rinsing air hose to the electrode rinsing air output **1.4** and to the powder gun
6. Connect the spraying air hose to the output **1.3** and to the powder gun diffuser
7. Connect the powder hose to the dense phase pump and to the powder gun diffuser
8. Connect the mains cable to the **2.1 Power IN** plug and fasten it

Connection with manual gun



Connection with manual gun

Connection with automatic gun



Connection with automatic gun

Start-up



Note:

The further start-up procedure for the OptiSelect Manual powder gun for DPP01 is explicitly described in the OptiStar CG07-P Control unit operating instructions (chapter "Initial start-up" and "Daily start-up")!

Maintenance and cleaning



Note:

Regular and conscientious maintenance increases the service life of the unit and ensures a longer, more constant coating quality!

Daily maintenance

1. Clean the gun, see chapter "Cleaning"

Weekly maintenance

1. Clean the gun, see chapter "Cleaning"
2. Check the grounding connections of the coating booth, the suspension devices of the work pieces, or the conveyor chain

Cleaning

Cleaning the OptiSelect Manual powder gun

Frequent cleaning of the gun helps to guarantee the coating quality.



Note:

Before cleaning the powder gun, switch off the control unit. The compressed air used for cleaning must be free of oil and water!

Daily:

1. Blow off the outside of the gun and wipe, clean etc.

Weekly:

2. Remove the powder hose from the connection
3. Remove the spray nozzle from the gun and clean it with compressed air
4. Blow through the gun with compressed air, beginning from the connection in flow direction
5. Clean the integrated gun tube with the brush supplied, if necessary

6. Blow through the gun with compressed air again
7. Clean the powder hose
8. Reassemble the gun and connect it



Attention:

Cleaning the OptiSelect Manual gun for DPP01 with the following solvents is not allowed:

Ethylene chloride, acetone, ethyl acetate, methyl ethyl ketone, methylene chloride, premium gasoline, turpentine, tetrachloromethane, toluene, trichloroethylene, xylene!



Note:

Only cleaning agents with a flash point of a least 5 Kelvin above the ambient temperature, or cleaning places with technical ventilation are allowed!

Cleaning the spray nozzles

Daily or after every shift

- Clean the inside and outside of the spray nozzle with compressed air.
Never immerse the parts in solvents!
- Check the seating of the spray nozzles.
Make sure that the threaded sleeve is always tightened well. If the spray nozzle is just fitted loosely, there is danger of a flash-over of the gun high voltage, which leads inevitably to damaging the gun!

Weekly:

- Remove the spray nozzles and clean inside with compressed air. If sinterings should have formed, then they have to be removed!

Monthly

- Check the spray nozzles for wear

The flat jet nozzle is to be replaced, if:

- the spray pattern is no longer a regular oval
- deeper grooves are in the nozzle slot, or even the wall thickness is no longer recognizable
- the wedge of the electrode holder is worn

Nozzles with deflectors:

- if the wedge of the electrode holder is worn down, then the electrode holder is to be replaced

Dismantle the gun

The gun should only be dismantled when this is made necessary by a defect or contamination. It is only to be dismantled so far, as the desired part is accessible.

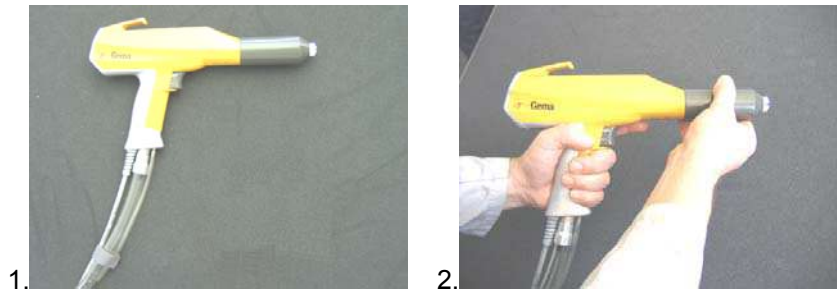


Attention:

Before cleaning the gun, switch off the control unit and disconnect the gun plug!

If the cascade is defective or the shaft is broken, send the complete shaft to an authorized ITW Gema service center!

Dismantle the gun



1.



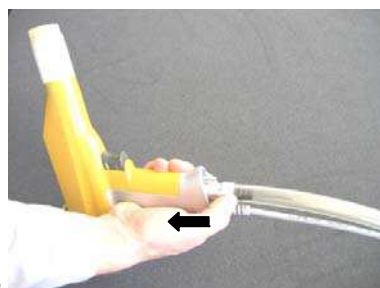
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3.



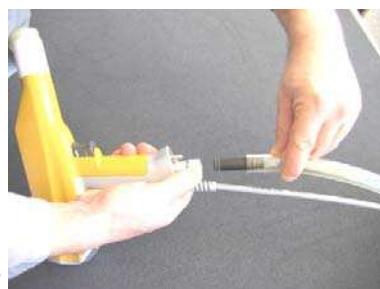
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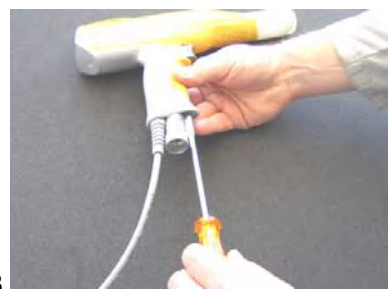
5.



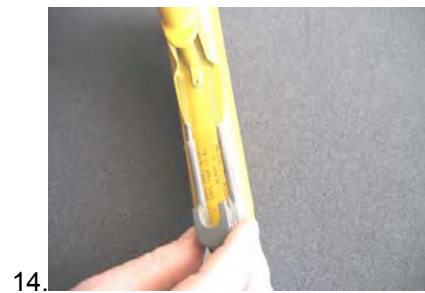
6.



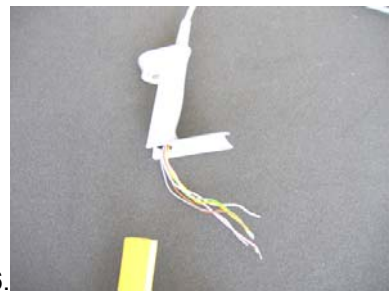
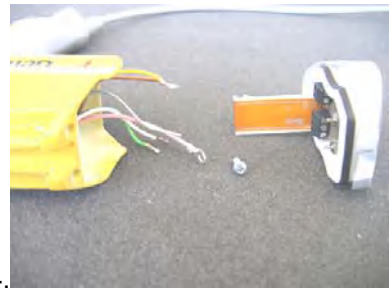
7.



8.

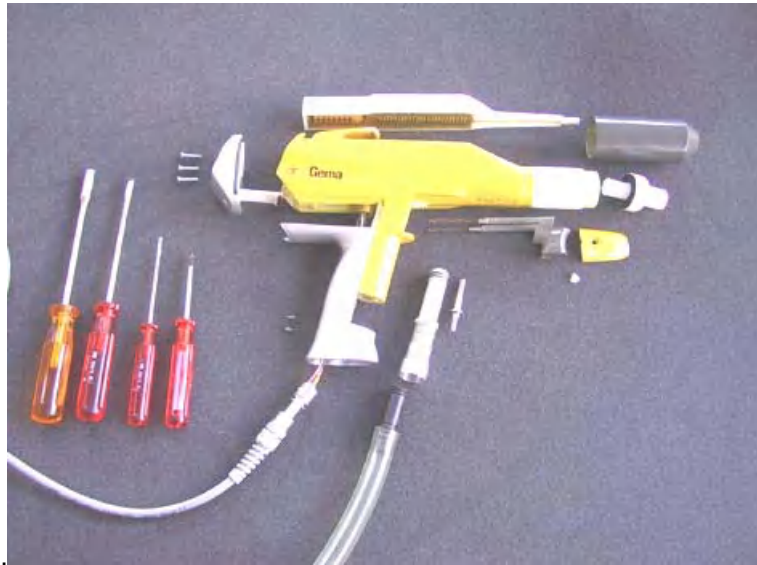


Replacing the powder gun cable



Assembling the gun

The assembly of the gun is carried out in the reverse order to that shown above.



Replacing parts

Except for the replacement of possible defective parts, there are very few repairs to be made.

The replacement of the cascade and the repair of the powder gun cable connection is only permitted by an authorized ITW Gema Service center! Contact your ITW Gema representative for details!

Troubleshooting

General information

Fault	Causes	Troubleshooting
H11 (error message on control unit)	Gun not connected Gun plug or gun cable defective Remote control on powder gun defective	Connect the gun Replace the corresponding part, or send in for repair Replace the remote control (gun back cover)
Gun LED remains dark, although the gun is triggered	High voltage adjustment is set too low Gun plug or gun cable defective LED on gun defective	Increase high voltage Replace corresponding part or send in for repair Replace gun back cover
Powder does not adhere to object, although the gun is triggered and sprays powder	High voltage and current deactivated High voltage cascade defective The objects are not properly grounded	Check the high voltage and current setting Send in the gun for repair Check the grounding
The manual gun does not spray powder, although the control unit is switched on and the gun trigger is pressed	Compressed air not present	Check the compressed air supply
	Transport air not present	Connect the control unit and the dense phase pump to the compressed air Check the hose connection of the control unit to the dense phase pump
	Fluidization not running	(see above)
The automatic gun does not spray powder although the control unit is switched on	(see above) No external signal at the trigger adaptor	(see above) Check the external signal

Spare parts list

Ordering spare parts

When ordering spare parts for powder coating equipment, please indicate the following specifications:

- Type and serial number of your powder coating equipment
- Order number, quantity and description of each spare part

Example:

- **Type** OptiSelect Manual powder gun for DPP01
Serial number 1234 5678
- **Order no.** 203 386, 1 piece, Clamp - Ø 18/15 mm

When ordering cable or hose material, the required length must also be indicated. The spare part numbers of this yard/meter ware is always marked with an *.

The wear parts are always marked with a #.

All dimensions of plastic hoses are specified with the external and internal diameter:

Example:

Ø 8/6 mm, 8 mm outside diameter (o/d) / 6 mm inside diameter (i/d)



WARNING!

Only original ITW Gema spare parts should be used, because the hazardous location approval will be preserved that way! The use of spare parts from other manufacturers will invalidate the ITW Gema guarantee conditions!

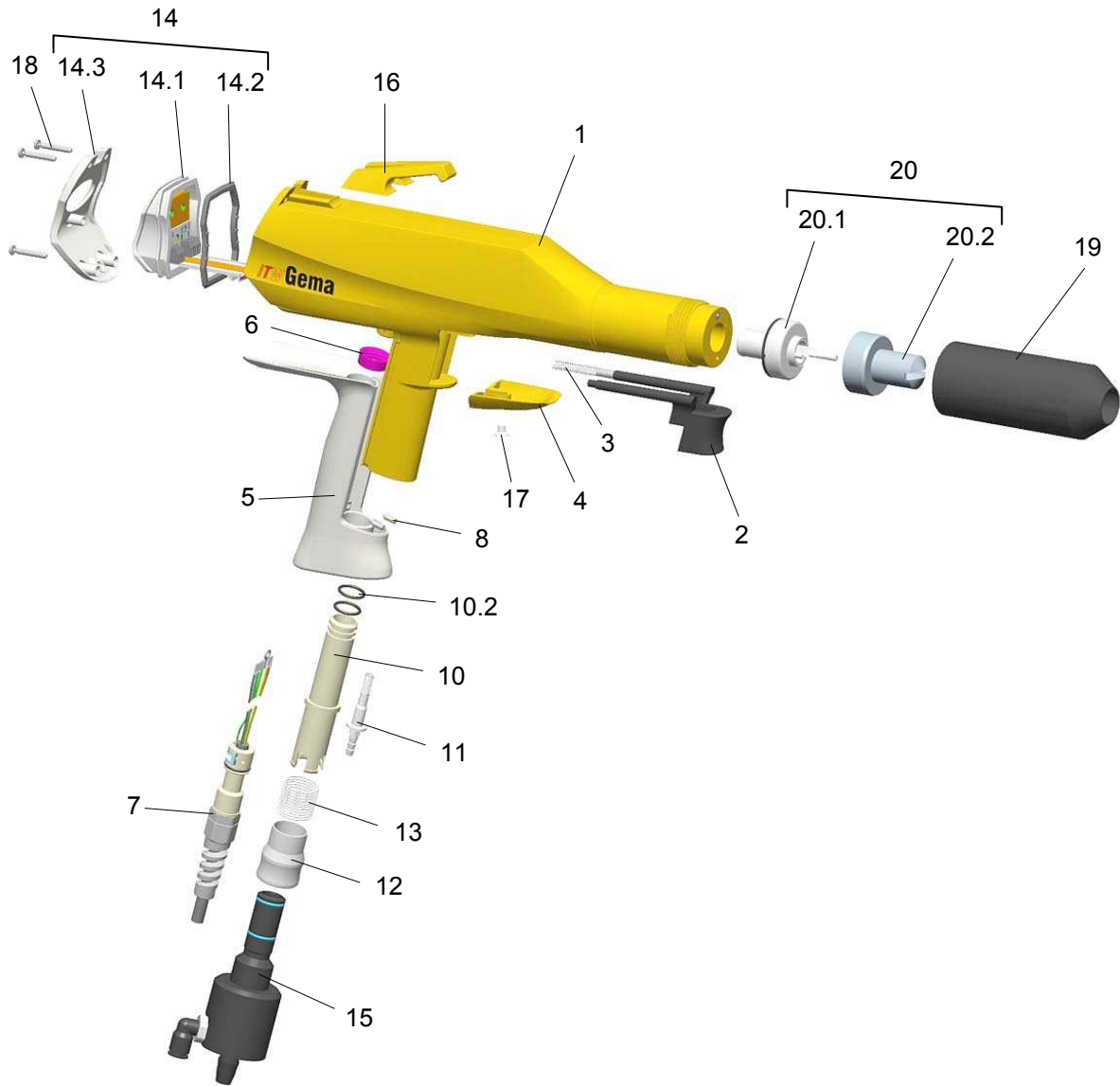
OptiSelect Manual powder gun for DPP01 - spare parts list

Remarks

1. If a part of the gun body should be broken, or the high voltage cascade in the gun body should be defective, then the whole gun body has to be sent in for repair!
2. If the powder gun cable is defective, it is to be completely sent in for repair!

A	OptiSelect Manual powder gun for DPP01 - complete negative polarity , incl. gun cable - 2 m, rinsing air hose - 14 m, flat jet nozzle, brush and parts kit, without powder hose	1006 100
B	OptiSelect Manual powder gun body (incl. cascade), negative polarity	1006 099
C	Cascade (negative polarity) - complete	1000 809
1	Gun body	1001 155
	Grip - complete set (pos. 5, 6, 7 and 8)	1000 807
2	Trigger - complete (incl. pos. 3)	1001 341
3	Compression spring - 0,36x4,2x49,4 mm	1001 487
4	Trigger cover	1000 801
5	Grip	1000 806
6	Radial gasket	1000 803
7	Gun cable - L=2 m, complete	1006 096
	Extension cable for gun cable - L=14m, incl. clamp	1002 162
	Cable clamp for extension cable	1002 064
8	Grub screw - M3x8 mm	1000 844
10	Powder tube - complete	1001 339
10.2	O-ring - Ø 12x1.5 mm	1000 822
11	Rinsing air connection	1000 804
12	Clip ring	1000 898
13	Compression spring	1001 488
14	Hopper cover - complete	1000 617
14.1	Print holder - complete (incl. pos. 14.2)	1002 029
14.2	Radial gasket	1000 795
14.3	Gun holder plate - complete	1002 028
14.4	Cap screw - M3x8 mm (not shown)	202 363
15	Diffuser - complete (see corresponding spare parts list)	

OptiSelect Manual powder gun for DPP01 - spare parts



OptiSelect Manual powder gun for DPP01 - spare parts

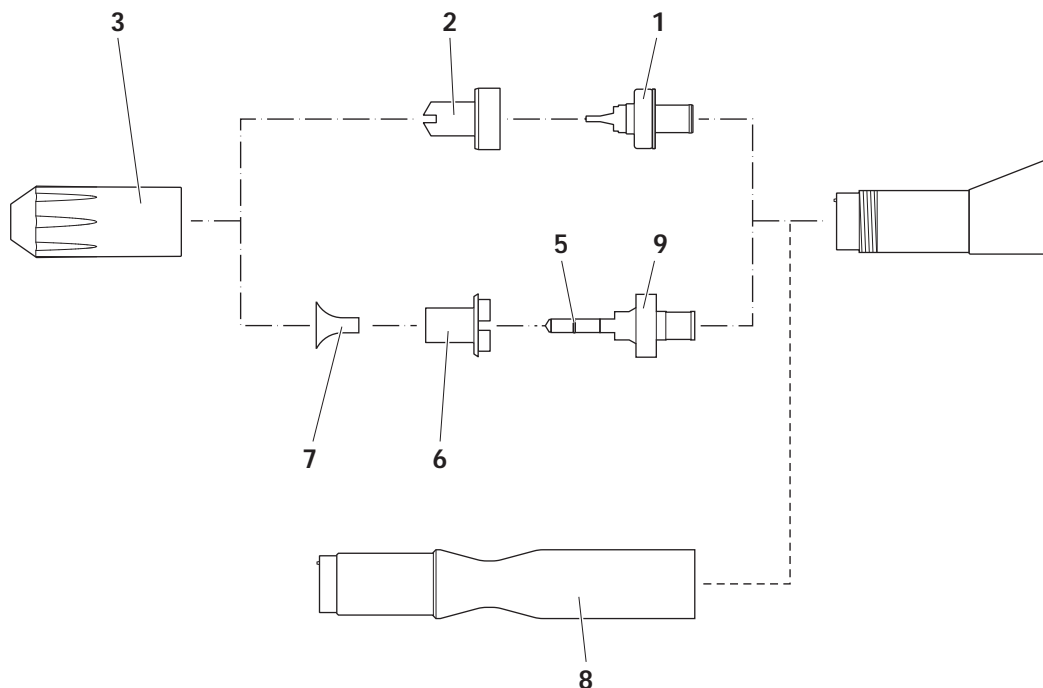
OptiSelect Manual powder gun for DPP01 - spare parts list (cont.)

16	Mounting hook (exchangeable)	1000 877
17	Countersunk head screw - M 4x8 mm, plastic	263 516
18	PT-screw	1000 843
19	Threaded sleeve - complete	1000 948
20	Flat jet nozzle - complete	1000 047
20.1	Electrode holder - complete	1000 055
20.2	Flat jet nozzle	1000 049
	Cleaning brush - Ø 12 mm	389 765
	Parts set (not shown), consisting of:	1002 359
	Round jet nozzle - NS02, complete	382 922
	Cable clamp	303 070
	Deflector - Ø 16 mm	331 341
	Deflector - Ø 24 mm	331 333
	Deflector - Ø 32 mm	331 325
	O-ring - Ø 12x1.5 mm	1000 822
	Countersunk head screw - M 4x8 mm, plastic	263 516
	Powder hose - Ø 7 mm (not shown)	1005 097

OptiSelect Manual powder gun for DPP01 - nozzle combinations

	Nozzle set - flat jet, NF08, pos. 1, 2	1000 047#
	Nozzle set - round jet, pos. 5, 6, 9	382 922
1	Electrode holder (flat jet nozzle)	1000 055#
2	Flat jet nozzle	1000 049#
3	Threaded sleeve	1000 948
5	O-ring - Ø 5x1 mm	231 606#
6	Round jet nozzle	378 518#
7	Deflector - Ø 16 mm	331 341#
7.1	Deflector - Ø 24 mm	331 333#
7.2	Deflector - Ø 32 mm	331 325#
8	Extension - 150 mm	378 852#
8.1	Extension - 300 mm	378 860#
9	Electrode holder, incl. pos. 5 (round jet central electrode)	382 914#

Wearing part

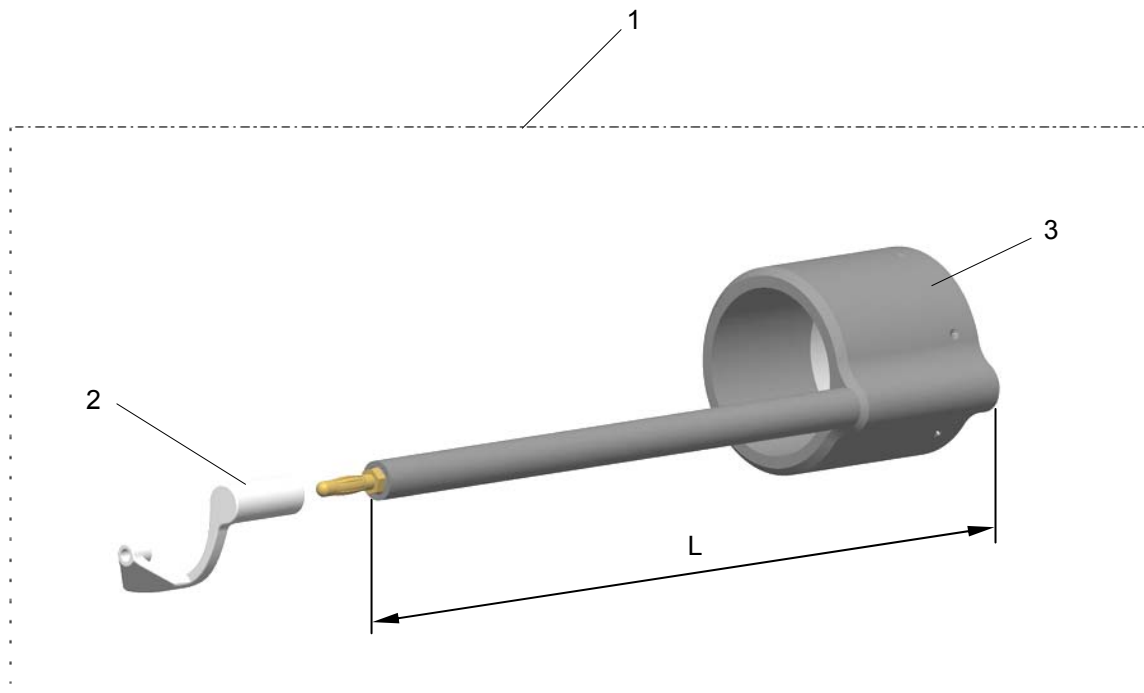


OptiSelect Manual powder gun for DPP01 - nozzle combinations

OptiSelect Manual powder gun for DPP01 - Super-Corona

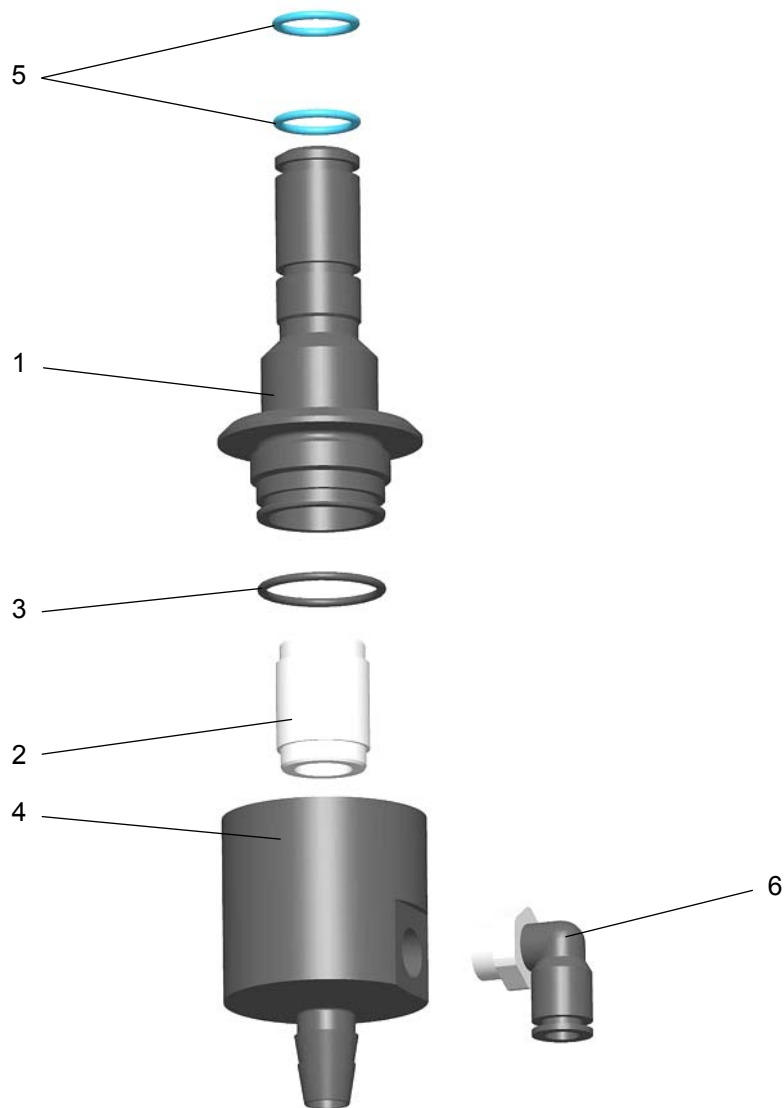
1	SuperCorona - complete set, without extension, L=215 mm	1002 066#
	SuperCorona - complete set, for extension 150, L=365 mm	1002 067#
	SuperCorona - complete set, for extension 300, L=515 mm	1002 068#
2	SuperCorona - connection	1001 466#
3	SuperCorona ring	391 980#
	SuperCorona ring, for version with extension 150 mm	394 173#
	SuperCorona ring, for version with extension 300 mm	394 203#

Wearing part



OptiSelect Manual powder gun for DPP01 - diffuser









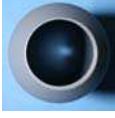


Diffuser - complete		1005 263
1	Adaptor piece	1005 260
2	Fluidizing tube	1005 262
3	O-ring - Ø 19x1.5 mm	1005 749
4	Connector	1005 261
5	O-ring - Ø 12x1.5 mm	1000 822
6	Elbow joint - 1/8"a, Ø 6 mm	254 061



OptiSelect Manual powder gun for DPP01 - diffuser





OptiSelect Manual powder gun for DPP01 - accessory

OptiSelect flat jet nozzles - overview
















Application	A	B	A + B	Threaded sleeves	Multispray adaptor			
Profiles (Standard nozzle)	 NF08 1000 049	 1000 055	NF08 1000 047	 1000 948	 1003 634*			
	 NF09* 1000 118		NF09 1000 119					
For custom design	 NF11 1000 122		NF11 1000 123					
	 NF12 1000 124		NF12 1000 125					
For recess openings and cavities	 NF10 1000 120					NF10 1000 121	 383 074	 1003 897*
Angled spray pattern (Boron Nitride)	 NF16-M* 1003 182							
Wide flat spray for large surface areas								
Flat jet nozzle for metallic powders								

* not type approved (ATEX)




OptiSelect round jet nozzles - overview

For large flat surface areas		NS02 378 518		382 914		NS02 382 922		Deflectors
						1000 948		Ø 16 mm 331 341
								Ø 24 mm 331 333
								Ø 32 mm 331 325
								Ø 50 mm 345 822


OptiSelect gun extensions and SuperCorona

		Gun extensions		SuperCorona	
	L = 150 mm	L = 300 mm	L = 150 mm	L = 300 mm	
Ø 40 mm	 378 852	 378 860	 1002 067	 1002 068	
			 394 173	 394 203	
Ø 25 mm Flat spray	 396 923	 396 931	 1003 519	 1003 520	 1001 466
	 396 940	 396 958	 1003 142	 1003 143	


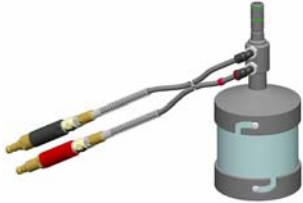



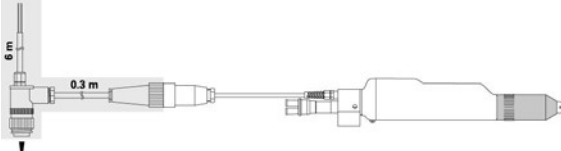


Powder hoses - overview

Powder hose	Application	Diameter	Part no.	Material	Type	Remarks
 <p> Ø 12/ 18 mm Typ 75 Material POE </p> <p> Ø 11/ 16 mm Typ 66 Material POE </p> <p> Ø 10/ 15 mm Typ 74 Material POE </p>	Fast color change (standard)	Ø 11/16 mm	105 139	POE	66	antistatic
	Fast color change - low powder flow	Ø 10/15 mm	1001 673	POE	74	antistatic
	Fast color change - high powder flow	Ø 12/18 mm	1001 674	POE	75	antistatic
 <p> Ø 11/ 16 mm Typ 1001 Material PUR </p> <p> Ø 9,5 / 12,5 mm Typ 1008 Material PUR </p>	DPP01 suction side	Ø 4,5/8,1 mm	1005 454	POE	83	
	DPP01 suction side / hot coating	Ø 6,0/9,6 mm	1001 102	POE	69	antistatic
	Standard hose for DDP01	Ø 7,0/11,5 mm	1005 097	POE	80	antistatic
	DDP01 powder hose for hot coating	Ø 8,0/12,5 mm	1005 098	POE	81	antistatic
 <p> Ø 11/ 16 mm Typ 1004 Material PVC </p>	Enamel powder	Ø 11/16 mm	103 128	PVC	1004	flexible powder hose
	Used on previous equipment	Ø 12/20 mm	100 080	PVC	1005	flexible powder hose

Powder hose connectors - overview

Powder hose connector	Application	Part no.	Remarks
	Hose connector for 7-8 mm hoses	1005 263	O-ring is included

Miscellaneous parts

Application cup	<p>150 ml</p>  <p>1004 552</p>	<p>500 ml</p>  <p>1002 069</p>	<p>Adaptor for EasySelect gun</p>  <p>1004 564</p>
PGC adaptor	<p>PGC control unit ←</p>  <p>→ OptiSelect gun</p> <p>1001 952</p>		
Tribo-Corona adaptor	 <p>1001 869</p>		
Trigger adaptor for automatic guns	 <p>OptiStar</p> <p>1002 772</p>		
Gun extension cable	 <p>L=6 m 1002 161</p> <p>L=14 m 1002 162</p>		
Gloves, antistatic (1 pair)	 <p>800 254</p>		