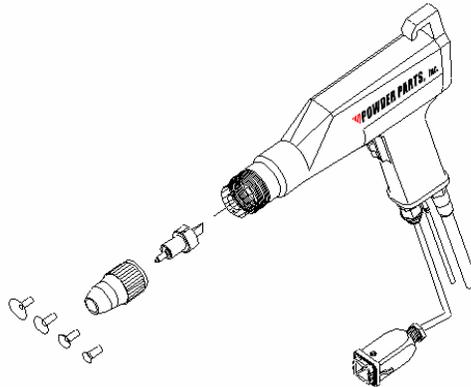


## NOZZLES

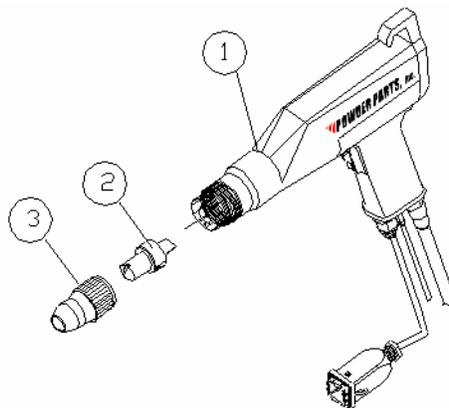
It is recommended to make a monthly maintenance of the nozzles, to assure a correct application and finishing of the work piece.

### ROUND SPRAY DEFLECTOR TYPE



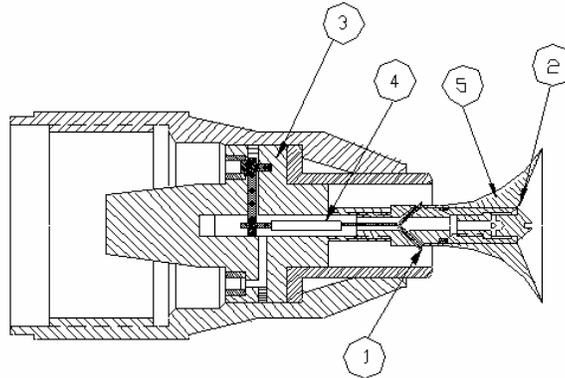
Nº	Description	Reference	Qty.
1	MP3 Gun Barrel	MP3-1-00-A	1
2	Round Head	MP3-30-00	1
3	Fastening Nut	MP3-29-A	1
4	Cone deflector 30 mm	MP3-30-9	1
5	Cone deflector 25 mm	MP3-30-10	1
6	Cone deflector 20 mm	MP3-30-11	1
7	Cone deflector 15mm	MP3-30-12	1

### FLAT FAN SPRAY TYPE



Nº	Description	Reference	Qty.
1	MP3 Gun Barrel	MP3-1-00-A	1
2	Flat Spray Nozzle	AP3-30-00-A	1
3	Fastening Nut	MP3-29-A	1

**ROUND PATTERN NOZZLE**

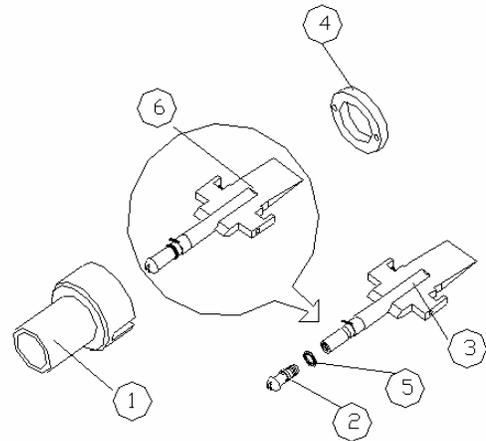
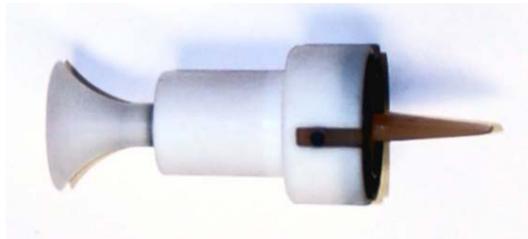


The round pattern nozzle sprays the powder with a donut round pattern while creating an electric field where the powder is charged.

The powder flows through the gun and is split by the support wedge and charged by the dual-electrodes (1) on each side of the cone support stem that holds the special design deflector cone (5). The electrical tension generated by the integral cascade within the gun barrel passes through the high tension resistor (4) and the electrodes to create an electric field, where the powder is efficiently charged within the nozzle body. This dual charging method within the nozzle assures better first time pass efficiency and greater powder deposition as compared with single electrode designs.

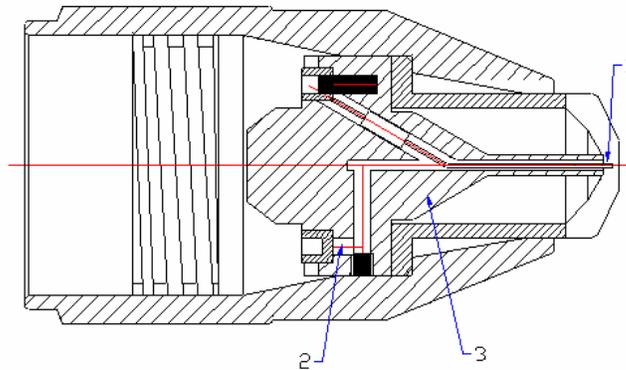
The Electrode Cleaning Air that is connected to the gun flows through the support guide and diffusing nozzle (2) to keep the cone deflector clean. In very humid environments it is recommended that the electrode tips be cleared of any fused powder accumulation regularly to maintain electrostatic efficiency.

**ROUND DEFLECTOR COMPONENTS CHART**



N°	Description	Reference	Qty.
1	Nozzle Body	MP3-30-2	1
2	Diffusing-nozzle	MP3-30-3	
3	Support stem	MP3-30-5-00	
4	Charging ring	MP3-30-8	1
5	O-Ring	MP3-30-4	
6	Support wedge	MP3-30-13	1

**FLAT PATTERN NOZZLE**

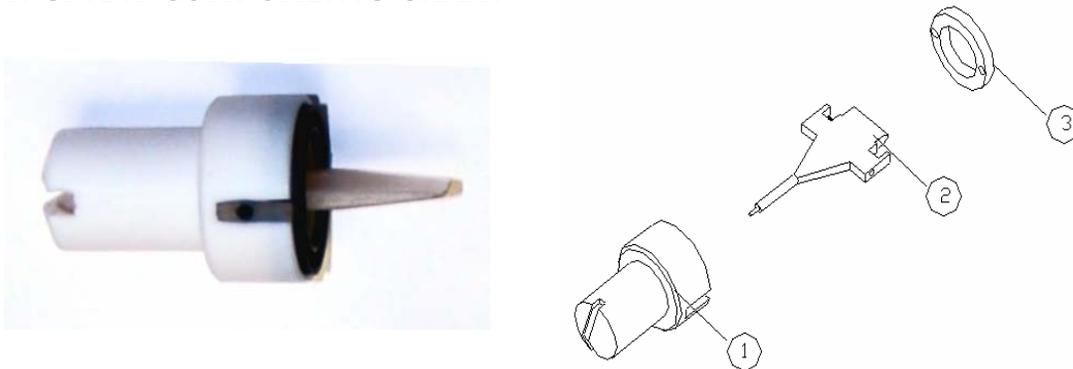


The Flat Spray Nozzle pattern sprays powder with a flat fan pattern while creates an electric field where the powder is charged.

The powder flows through the gun and is split by the electrode wedge and charged by the electrode (1) at the end of the stem. The electrical tension generated by the integral cascade within the gun barrel passes through the high tension resistor inside the wedge and the electrodes to create an electric field, where the powder is efficiently charged at the slot of the flat spray nozzle.

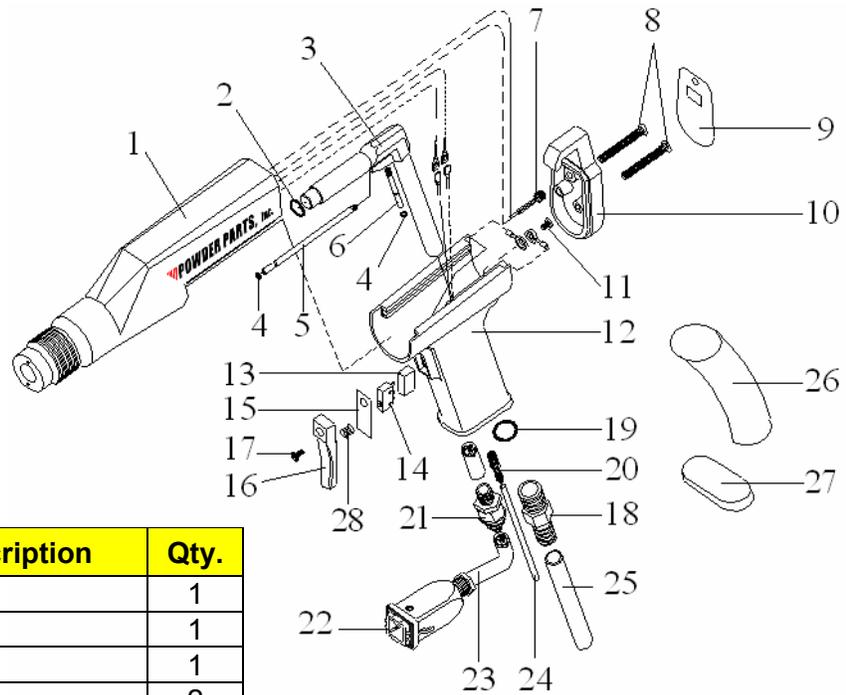
The Electrode Cleaning Air that is connected to the gun flows through the support guide and wedge stem to keep the electrode clean. In very humid environments it is recommended that the electrode be cleared of any fused powder accumulation regularly to maintain electrostatic efficiency. Too much electrode air will split the fan spray pattern and affect spray cloud pattern.

**FLAT SPRAY COMPONENTS CHART**



N°	Description	Reference	Qty.
1	Flat spray nozzle	AP3-30-2-A-	1
2	Electrode Wedge	AP3-30-5-00-A	1
3	Contact Ring	MP3-30-8	1

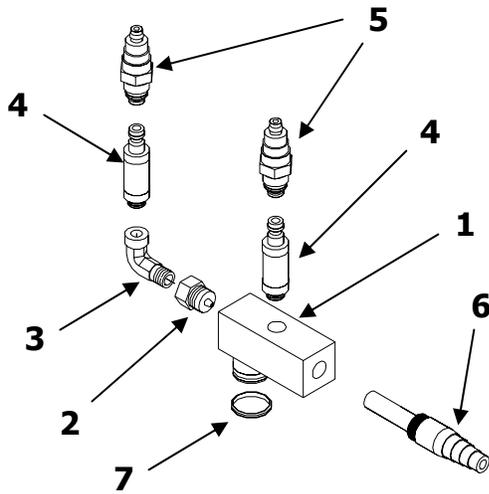
## GUN COMPONENTS CHART



N°	Reference	Description	Qty.
1	MP3-1-00-A	Body	1
2	MP3-6	O-Ring	1
3	MP3-C-00	Elbow	1
4	MP3-7	O-Ring	2
5	MP3-5-1	Horizontal Air tube	1
6	MP3-5-2	Vertical Air tube	1
7	MP3-24	Red LED	1
8	MP3-14	Screw	2
9	MP3-25-00	Label	1
10	MP3-3-00	Rear Cover	1
11	MP3-23	Ground terminal	1
12	MP3-2-00	Conductive handle	1
13	MP3-18	Insulator	1
14	MP3-13-A	Microswitch	1
15	MP3-17	Plate	1
16	MP3-8-1	Trigger	1
17	MP3-16	Sleeve	1
18	MP3-11	Inlet Adapter	1
19	MP3-10	O-Ring	1
20	AP3-12	Air Connector	1
21	MP3-15	Cable Connector	1
22	MP3-31-00	Gun Connector	1
23	GS-196	Electric Cable	7 m.
24	SP 060135	Air Tube: 6mm dia.	7 m.
25	SP-040114	Powder Tube	5 m.
26	SP 099539	Cover	6 m.
27	SP 040105	Wire ties	10
28	ML3-8-2	Trigger Spring	1

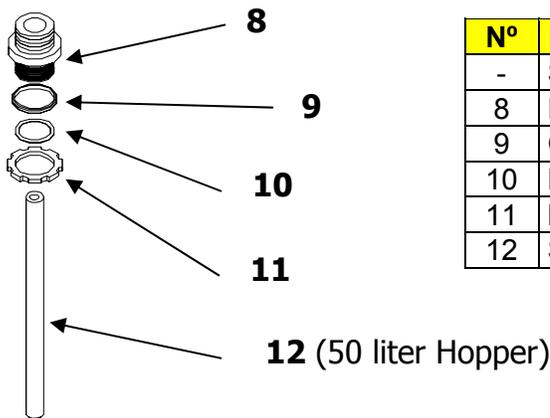


**POWDER PUMP COMPONENTS CHART**



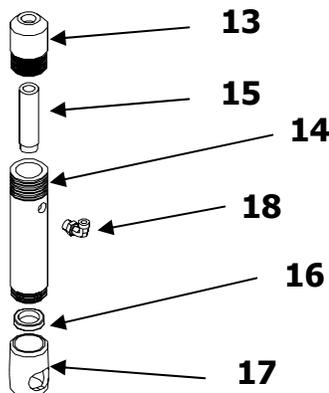
Nº	Description	Reference	Qty.
-	Complete Pump	SP060250	1
1	Pump Body	SP060251	1
2	Nozzle Injector	SP060252	1
3	Elbow Connector	SP060260	1
4	Check Valve	SP060067-18	2
5	Q-D Coupler	SP060163	2
6	Hose Connector	SP060255	1
7	O-Ring	SP060259	1

**HOPPER SUCTION TUBE COMPONENTS CHART**



Nº	Description	Reference	Qty.
-	Suction Tube Kit	P600012XX	1
8	Pump Adapter	P114255NX	1
9	O-Ring	P942161NX	1
10	Fiber Washer	P95601XX	1
11	Nut	P142382N0	1
12	Suction Tube	P180778NX	1

**BOX FEEDER INTAKE TUBE COMPONENTS CHART**



Nº	Description	Reference	Qty.
-	Intake Tube Asm.	BFI0500A	1
13	Pump Mount	BFI0501	1
14	Outer Tube	BFI0525	1
15	Inner Tube	BFI0526	1
16	Fluidizing Ring	BFI0502	1
17	Suction Inlet	BFI0527	1
18	Plastic Fitting	BFI 0503	1