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3MBM / 3MBH PARAMETERS

Argon
US Units

9MC Control Unit

Coating Material	Hardware			Pressure	Flow		Electric		Air Jets		9MP Powder Feeder						
	Nozzle	Electrode	Powder Injector	Argon Pressure (psig)	Flowmeter Reading (FMR)	Flow (scfh)	DC Amps	DC Volts	Distance Setting (inch)	Air Pressure (psig)	Pickup Shaft	Carrier Pressure (psig)	Carrier Flow (FMR)	Carrier Flow (scfh)	Air Vibrator (psig)	Spray Rate (lb/h)	Spray Distance (inch)
43F	704	9MB63	5	75	112	112	1000	40-50			C	60	20.5	20.5	20	6	2.5
43VF	704	9MB63	5	75	225	225	1000	45-55	4	40	C	60	20.5	20.5	20	6	2.5
45VF	704	9MB63	5	75	225	225	1000	45-55	5	40	B	60	20.5	20.5	20	6	2.5
51F	707	9MB63	1	75	126	126	400	65-70			C	60	13.5	13.5	20	9	4
66F	704	9MB63	3	75	43	43	1000	32-37	Parallel	40	C	60	10.5	10.5	20	6	4
68F	704	9MB63	3	75	43	43	1000	32-37			C	60	10.5	10.5	20	6	4
	707	9MB63	3	75	43	43	1000	32-37			C	60	13.5	13.5	20	6	4
71VF	704	9MB63	5	75	225	225	1000	45-55			C	60	20.5	20.5	20	6	2.5
71VFNS-1	704	9MB63	5	75	212	212	1000	45-50	Parallel	75	C	60	20.5	20.5	20	6	3.5
73F	704	9MB63	5	75	225	225	1000	45-55			C	60	20.5	20.5	20	6	2.5
73SF	704	9MB63	5	75	290	290	800	45-55			C	60	20.5	20.5	20	6	2.5
81VF	704	9MB63	5	75	112	112	1000	45-55	4	50	C	60	20.5	20.5	20	6	2.5
83VF	704	9MB63	5	75	112	112	1000	45-55	Parallel	50	C	60	13.5	13.5	20	6	3

Notes :

1. Install Argon gas ring.
2. Voltage shown is taken at the JAM box or Distribution Unit using 5 meter (15 ft) cables. Voltage will vary with cable length and condition.
3. The allowable range for all voltage is +/- 5 volts from the published value. Voltage will decrease as the nozzle and electrode become worn from use.
4. FMR = FlowMeter Reading

PAR 40924 EN 03 Released on: 10/16/2014

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3MBM / 3MBH PARAMETERS

Argon
Metric Units

9MC Control Unit

Coating Material	Hardware			Pressure	Flow		Electric		Air Jets		9MP Powder Feeder						
	Nozzle	Electrode	Powder Injector	Argon Pressure (bar)	Flowmeter Reading (FMR)	Flow (nlpm)	DC Amps	DC Volts	Distance Setting (mm)	Air Pressure (bar)	Pickup Shaft	Carrier Pressure (bar)	Carrier Flow (FMR)	Carrier Flow (nlpm)	Air Vibrator (bar)	Spray Rate (g/m)	Spray Distance (mm)
43F	704	9MB63	5	5.2	49	49	1000	40-50			C	4.1	20.5	9.0	1.4	45	64
43VF	704	9MB63	5	5.2	99	99	1000	45-55	102	2.8	C	4.1	20.5	9.0	1.4	45	64
45VF	704	9MB63	5	5.2	99	99	1000	45-55	127	2.8	B	4.1	20.5	9.0	1.4	45	64
51F	707	9MB63	1	5.2	55	55	400	65-70			C	4.1	13.5	5.9	1.4	68	102
66F	704	9MB63	3	5.2	19	19	1000	32-37	Parallel	2.8	C	4.1	10.5	4.6	1.4	45	102
68F	704	9MB63	3	5.2	19	19	1000	32-37			C	4.1	10.5	4.6	1.4	45	102
	707	9MB63	3	5.2	19	19	1000	32-37			C	4.1	13.5	5.9	1.4	45	102
71VF	704	9MB63	5	5.2	99	99	1000	45-55			C	4.1	20.5	9.0	1.4	45	64
71VFNS-1	704	9MB63	5	5.2	93	93	1000	45-50	Parallel	5.2	C	4.1	20.5	9.0	1.4	45	89
73F	704	9MB63	5	5.2	99	99	1000	45-55			C	4.1	20.5	9.0	1.4	45	64
73SF	704	9MB63	5	5.2	127	127	800	45-55			C	4.1	20.5	9.0	1.4	45	64
81VF	704	9MB63	5	5.2	49	49	1000	45-55	102	3.4	C	4.1	20.5	9.0	1.4	45	64
83VF	704	9MB63	5	5.2	49	49	1000	45-55	Parallel	3.4	C	4.1	13.5	5.9	1.4	45	76

Notes :

1. Install Argon gas ring.
2. Voltage shown is taken at the JAM box or Distribution Unit using 5 meter (15 ft) cables. Voltage will vary with cable length and condition.
3. The allowable range for all voltage is +/- 5 volts from the published value. Voltage will decrease as the nozzle and electrode become worn from use.
4. FMR = FlowMeter Reading

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9MC Control Unit

Coating Material	Hardware			Argon			Hydrogen			Electric		Air Jets		9MP Powder Feeder						
	Nozzle	Electrode	Powder Injector	Argon Pressure (psig)	Argon (FMR)	Argon Flow (scfh)	H2 Pressure (psig)	H2 (FMR)	H2 Flow (scfh)	DC Amps	DC Volts	Distance Setting (inch)	Air Pressure (psig)	Pickup Shaft	Carrier Pressure (psig)	Carrier Flow (FMR)	Carrier Flow (scfh)	Air Vibrator (psig)	Spray Rate (lb/h)	Spray Distance (inch)
34F	GP	9MB63	2	75	111	111	50	17	17	500	70-80			B	60	13.5	13.5	20	8.5	6
41F-NS	GE	9MB63	2	75	111	111	50	6	6	500	50-60	4	35/50	B	60	13.5	13.5	20	9.5	2.25
	707	9MB63	2	75	111	111	50	11	11	600	45-50	4	35	A	60	13.5	13.5	20	20	2.25
43C-NS	GH	9MB63	2	75	111	111	50	5	5	400	55-65			B	60	13.5	13.5	20	14	5
43F-NS	GH	9MB63	2	75	167	167	50	5	5	500	60-70			A	60	13.5	13.5	20	16	5
43VF-NS	GE	9MB63	2	75	167	167	50	7	7	500	45-55	4	40	B	60	20.5	20.5	20	7	2.5
44	GH	9MB63	2	75	111	111	50	5	5	500	55-65			A	60	13.5	13.5	20	20	5
45C-NS	GE	9MB63	2	75	111	111	50	17	17	400	65-70			B	60	13.5	13.5	20	7	5
45VF-NS	GE	9MB63	2	75	167	167	50	7	7	500	45-55	5	35/50	B	60	20.5	20.5	20	6.5	2.25
51NS	GH	9MB63	2	75	167	167	50	5	5	500	60-70			A	60	13.5	13.5	20	14.5	5
51F-NS	GE	9MB63	1	75	167	167	50	19	19	450	65-75			B	60	13.5	13.5	20	7	4
52C-NS	GH	9MB63	1	75	89	89	50	15	15	500	64-70			B	60	13.5	13.5	20	10	5
54NS	GH	9MB63	1	75	167	167	50	10	10	500	70-75			B	60	13.5	13.5	20	6.5	5
	700	9MB63	2	75	89	89	50	10	10	600	65-70			B	60	13.5	13.5	20	7.9	5
55	GH	9MB63	1	75	167	167	50	5	5	500	60-70			B	60	13.5	13.5	20	15	5
56C-NS	GH	9MB63	2	75	89	89	50	10	10	500	55-65			B	60	13.5	13.5	20	14	5
56F-NS	GH	9MB63	2	75	167	167	50	5	5	500	60-70			B	60	13.5	13.5	20	15	5
57NS	GH	9MB63	2	75	84	84	50	15	15	500	60-70	4.5	35	B	60	13.5	13.5	20	6	2.5
58NS	GH	9MB63	2	75	84	84	50	15	15	500	60-70	4.5	35	B	60	13.5	13.5	20	6	2.5
63NS	GE	9MB63	2	75	111	111	50	17	17	700	60-70			B	60	13.5	13.5	20	9.5	4
	GH	9MB63	2	75	90	90	50	15	15	500	64-70			B	60	13.5	13.5	20	9.5	4
	GH	9MB63	2	75	90	90	50	15	15	500	64-70			A	60	13.5	13.5	20	22	4
64	GH	9MB63	2	75	90	90	50	15	15	400	65-70	Parallel	50	B	60	13.5	13.5	20	10	4
	GH	9MB63	2	75	90	90	50	15	15	500	64-70	Parallel	50	A	60	13.5	13.5	20	22	4
66F-NS	GH	9MB63	2	75	167	167	50	10	10	500	70-75			B	60	13.5	13.5	20	6	4
68F-NS-1	GH	9MB63	2	75	167	167	50	10	10	500	70-75			B	60	13.5	13.5	20	6	4
70C-NS	GH	9MB63	2	75	90	90	50	15	15	500	60-70			B	60	13.5	13.5	20	10	4
71NS	GH	9MB63	2	75	111	111	50	10	10	500	60-70			C	60	13.5	13.5	20	6	4
	GP	9MB63	2	75	138	138	50	17	17	500	74-80			C	60	13.5	13.5	20	4	3
71VF-NS	GE	9MB63	2	75	111	111	50	11	11	400	55-60			C	60	13.5	13.5	20	5	3
73F-NS-1	GE	9MB63	2	75	178	178	50	9	9	400	50-55			C	60	20.5	20.5	20	6	3
73F-NS-2	GE	9MB63	2	75	178	178	50	9	9	400	50-55			C	60	20.5	20.5	20	6	3
81NS	GH	9MB63	2	75	90	90	50	15	15	600	64-70			C	60	13.5	13.5	20	5	4
	GP	9MB63	2	75	99	99	50	17	17	300	75-80			C	60	13.5	13.5	20	5	4
81VF-NS	GH	9MB63	2	75	111	111	50	10	10	500	60-70			C	60	13.5	13.5	20	5.5	2.25
	700	9MB63	2	75	90	90	50	15	15	600	60-70			C	60	13.5	13.5	20	6	2.5
101NS	GH	9MB63	2	75	90	90	50	15	15	500	64-70			B	60	13.5	13.5	20	7	3
101B-NS	GH	9MB63	2	75	90	90	50	25	25	500	70-80			B	60	13.5	13.5	20	7	4

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3MBM / 3MBH PARAMETERS

9MC Control Unit

Coating Material	Hardware			Argon			Hydrogen			Electric		Air Jets		9MP Powder Feeder						
	Nozzle	Electrode	Powder Injector	Argon Pressure (psig)	Argon (FMR)	Argon Flow (scfh)	H2 Pressure (psig)	H2 (FMR)	H2 Flow (scfh)	DC Amps	DC Volts	Distance Setting (inch)	Air Pressure (psig)	Pickup Shaft	Carrier Pressure (psig)	Carrier Flow (FMR)	Carrier Flow (scfh)	Air Vibrator (psig)	Spray Rate (lb/h)	Spray Distance (inch)
101SF	GH	9MB63	2	75	167	167	50	15	15	500	75-80	3.5	75	C	60	26	26	20	3	2
	GP	9MB63	2	75	147	147	50	19	19	500	75-80	3.5	75	C	60	26	26	20	3	2
	700	9MB63	2	75	90	90	50	15	15	600	65-75	3.5	75	B	60	26	26	20	7	3
102	GH	9MB63	2	75	90	90	50	15	15	500	64-70			B	60	13.5	13.5	20	7	3.5
105NS-1	GH	9MB63	2	75	90	90	50	15	15	500	64-70			C	60	13.5	13.5	20	5.5	3
105SF	GH	9MB63	2	75	167	167	50	15	15	500	75-80	3.5	75	C	60	26	26	20	3	2.25
	GP	9MB63	2	75	167	167	50	19	19	500	75-80	3.5	75	C	60	26	26	20	3	2.25
	700	9MB63	2	75	90	90	50	15	15	600	60-70	3.5	75	C	60	26	26	20	6	3
105SFP	GH	9MB63	2	75	167	167	50	10	10	500	75-80	3.5	75	C	60	26	26	20	3	2.5
	700	9MB63	2	75	90	90	50	15	15	600	60-70	3.5	75	B	60	26	26	20	6	2.5
	GP	9MB63	2	75	167	167	50	10	10	500	75-80	3.5	75	C	60	26	26	20	3	2.5
106	GH	9MB63	2	75	80	80	50	15	15	500	64-70			C	60	13.5	13.5	20	5	2.5
106F	GH	9MB63	2	75	80	80	50	15	15	500	60-70	6	50	C	60	13.5	13.5	20	5	2.5
111	GH	9MB63	2	75	90	90	50	15	15	500	64-70			B	60	13.5	13.5	20	6	3.5
130	GH	9MB63	2	75	90	90	50	15	15	500	70-80			C	60	13.5	13.5	20	5	4.5
130SF	GH	9MB63	2	75	80	80	50	20	20	500	60-70	3.5	50	C	60	20.5	20.5	20	3	2.5
131VF	G	9MB63	2	75	111	111	50	15	15	500	60-70	Parallel	50	C	60	20.5	20.5	20	3	3
	700	9MB63	2	75	90	90	50	15	15	600	60-70	3.5	75	C	60	20.5	20.5	20	5	3
	GP	9MB63	2	75	111	111	50	20	20	500	75-80	7.5	50	C	60	20.5	20.5	20	3	6
	GP	9MB63	2	75	111	111	50	20	20	500	75-80	Parallel	50	C	60	20.5	20.5	20	3	3
136F	GH	9MB63	2	75	80	80	50	15	15	500	64-70	6	50	C	60	13.5	13.5	20	5	2.5
143	GE	9MB63	2	75	84	84	50	17	17	600	60-70	3	70	C	60	13.5	13.5	20	5	3
	GE	9MB63	2	75	64	64	50	15	15	700	60-70	3	70	B	60	13.5	13.5	20	10	3
201NS	GH	9MB63	2	75	90	90	50	15	15	500	60-70			C	60	13.5	13.5	20	6	3
201B-NS	GH	9MB63	2	75	90	90	50	15	15	500	60-75			C	60	13.5	13.5	20	6.5	3
201BNS-1	GH	9MB63	2	75	90	90	50	25	25	500	70-80			B	60	13.5	13.5	20	12	2.25
	GH	9MB63	2	75	90	90	50	25	25	500	70-80			C	60	13.5	13.5	20	6	2.25
202NS	GH	9MB63	2	75	90	90	50	15	15	500	64-70			B	60	13.5	13.5	20	12	2.5
	GH	9MB63	2	75	90	90	50	15	15	500	64-70			C	60	13.5	13.5	20	6	2.5
204NS	GH	9MB63	2	75	90	90	50	15	15	600	64-70			C	60	13.5	13.5	20	6	2.5
	GH	9MB63	2	75	90	90	50	15	15	600	64-70			B	60	13.5	13.5	20	12	2.5
204B-NS	G	9MB63	2	75	90	90	50	15	15	500	60-70			C	60	13.5	13.5	20	6	2.5
205NS	GH	9MB63	2	75	80	80	50	15	15	400	65-75	Parallel	50	C	60	13.5	13.5	20	6	4
210NS-1	GH	9MB63	2	75	80	80	50	15	15	500	64-70			C	60	13.5	13.5	20	5	3

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Coating Material	Hardware			Argon			Hydrogen			Electric		Air Jets		9MP Powder Feeder						
	Nozzle	Electrode	Powder Injector	Argon Pressure (psig)	Argon (FMR)	Argon Flow (scfh)	H2 Pressure (psig)	H2 (FMR)	H2 Flow (scfh)	DC Amps	DC Volts	Distance Setting (inch)	Air Pressure (psig)	Pickup Shaft	Carrier Pressure (psig)	Carrier Flow (FMR)	Carrier Flow (scfh)	Air Vibrator (psig)	Spray Rate (lb/h)	Spray Distance (inch)
303NS-1	GH	9MB63	2	75	90	90	50	15	15	500	64-70			C	60	13.5	13.5	20	6	4
311NS	GH	9MB63	6	75	111	111	50	15	15	500	60-70	Parallel	75	B	60	13.5	13.5	20	8	4
313NS	GH	9MB63	1	75	212	212	50	10	10	500	75-85			B	60	20.5	20.5	20	8	5
320NS	GH	9MB63	1	75	212	212	50	6	6	500	70-80	Parallel	25-30	B	60	18	18	20	7	6
350NS	GH	9MB63	1	75	111	111	50	17	17	500	65-70	Parallel	70	B	60	13.5	13.5	20	10	4
404NS	GH	9MB63	1	75	111	111	50	17	17	500	64-70			B	60	13.5	13.5	20	9.9	5
410NS	GH	9MB63	1	75	90	90	50	15	15	500	64-70			C	60	13.5	13.5	20	5	4
430NS	GE	9MB63	2	75	111	111	50	28	28	500	60-70			B	60	20.5	20.5	20	10	4
439NS	G	9MB63	1	75	80	80	50	20	20	500	60-65			C	60	13.5	13.5	20	6	6
439NS-2	GP	9MB63	2	75	111	111	50	17	17	400	75-80			B	60	13.5	13.5	20	10	5.5
	700	9MB63	2	75	90	90	50	15	15	600	60-70			A	60	13.5	13.5	20	19	6
443NS	GH	9MB63	2	75	90	90	50	20	20	500	70-80			B	60	13.5	13.5	20	8	5.5
444	GH	9MB63	2	75	90	90	50	15	15	500	64-70			A	60	13.5	13.5	20	25	5
445	GH	9MB63	2	75	90	90	50	15	15	500	64-70			A	60	13.5	13.5	20	20	2.5
447NS	GH	9MB63	4	75	111	111	50	15	15	500	65-75			A	60	13.5	13.5	20	25	6
449P	GE	9MB63	2	75	90	90	50	17	17	500	60-70			A	60	13.5	13.5	20	18	6
450P	GH	9MB63	2	75	90	90	50	15	15	400	65-75			B	60	13.5	13.5	20	9	4
450NS	GH	9MB63	2	75	90	90	50	15	15	500	64-70			B	60	13.5	13.5	20	9	5.5
	GH	9MB63	2	75	90	90	50	15	15	500	64-70			B	60	13.5	13.5	20	10	6
451	GH	9MB63	2	75	90	90	50	20	20	500	70-80			A	60	13.5	13.5	20	15	4.5
452	GH	9MB63	2	75	90	90	50	15	15	500	60-70			B	60	13.5	13.5	20	9	5.5
453	GH	9MB63	2	75	90	90	50	15	15	500	60-70			B	60	10.5	10.5	20	8	5
461NS	GH	9MB63	2	75	90	90	50	20	20	500	70-80			C	60	13.5	13.5	20	4	9
	GH	9MB63	2	75	90	90	50	20	20	500	70-80			B	60	13.5	13.5	20	8	5.5
480NS	GH	9MB63	2	75	90	90	50	15	15	500	65-70			B	60	13.5	13.5	20	9	6
600NS	GP	9MB63	2	75	212	212	50	6	6	500	65-75	Parallel	70	C	60	26	26	20	3.5	3.25
601NS	GP	9MB63	2	75	212	212	50	6	6	500	65-75	Parallel	75	C	60	20.5	20.5	20	3.5	3.5
	GP	9MB63	2	75	212	212	50	6	6	500	65-75	Parallel	75	B	60	20.5	20.5	20	10	3.5
605NS	GH	9MB63	2	75	167	167	50	5	5	400	60-70			B	60	13.5	13.5	20	7	3.25
610NS	GH	9MB63	4	75	167	167	50	15	15	400	75			A	60	20.5	20.5	20	15	5
700	GH	9MB63	2	75	90	90	50	10	10	500	65	4	50	B	60	13.5	13.5	20	7	4
	GP	9MB63	2	75	140	140	50	17	17	500	80	Parallel	50	B	60	13.5	13.5	20	7	6
	GP	9MB63	2 [6]	75	140	140	50	17	17	500	80	Parallel	50	B	60	13.5	13.5	20	20	6
1123	GE	9MB63	2	75	90	90	50	11	11	500	55-60			B	60	13.5	13.5	20	12	5
2043	GH	9MB63	1	75	100	100	50	10	10	450	60-65	Parallel	20-25	C	60	12	12	20	6	5

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3MBM / 3MBH PARAMETERS

9MC Control Unit

Coating Material	Hardware			Argon			Hydrogen			Electric		Air Jets		9MP Powder Feeder						
	Nozzle	Electrode	Powder Injector	Argon Pressure (psig)	Argon (FMR)	Argon Flow (scfh)	H2 Pressure (psig)	H2 (FMR)	H2 Flow (scfh)	DC Amps	DC Volts	Distance Setting (inch)	Air Pressure (psig)	Pickup Shaft	Carrier Pressure (psig)	Carrier Flow (FMR)	Carrier Flow (scfh)	Air Vibrator (psig)	Spray Rate (lb/h)	Spray Distance (inch)
A 387	GH	9MB63	2	75	90	90	50	15	15	500	65-70	parallel	50	B	60	13.5	13.5	20	9	6
A 956	GH	9MB63	2	75	100	100	50	15	15	500	65-75	parallel	50	A	60	10	10	20	8	5
A 959	GH	9MB63	2	75	100	100	50	15	15	500	65-75	parallel	50	A	60	10	10	20	8	5
A 960	GH	9MB63	2	75	100	100	50	15	15	500	65-75	parallel	50	A	60	10	10	20	8	5
A 962	GH	9MB63	2	75	100	100	50	15	15	500	65-75	parallel	50	A	60	10	10	20	8	5
A 4300	GH	9MB63	2	75	84	84	50	15	15	500	60-70	4.5	35	B	60	10	10	20	6	2.5
A 5670	GE	9MB63	2	75	178	178	50	9	9	400	50-55			C	60	20.5	20.5	20	6	3
A 6417	700	9MB63	4	75	84	84	50	25	25	600	65-75	4	40	C	60	16	16	20	4.5	2.5
A 6420	700	9MB63	4	75	84	84	50	25	25	600	65-75	4	40	C	60	16	16	20	4.5	2.5

Notes :

1. Install Argon gas ring.
2. Voltage shown is taken at the JAM box or Distribution Unit using 5 meter (15 ft) cables. Voltage will vary with cable length and condition.
3. The allowable range for all voltage is +/- 5 volts from the published value. Voltage will decrease as the nozzle and electrode become worn from use.
4. FMR = FlowMeter Reading
5. Keep secondary Hydrogen flow constant. Do not adjust flow to obtain voltage.
6. Use two (2) powder injectors and divide the spray rate equally between them.

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3MBM / 3MBH PARAMETERS

9MC Control Unit

Argon/Hydrogen
Metric Units

Coating Material	Hardware			Argon			Hydrogen			Electric		Air Jets		9MP Powder Feeder						
	Nozzle	Electrode	Powder Injector	Argon Pressure (Bar)	Argon (FMR)	Argon Flow (nlpm)	H2 Pressure (Bar)	H2 (FMR)	H2 Flow (nlpm)	DC Amps	DC Volts	Distance Setting (mm)	Air Pressure (Bar)	Pickup Shaft	Carrier Pressure (Bar)	Carrier Flow (FMR)	Carrier Flow (nlpm)	Air Vibrator (Bar)	Spray Rate (g/min)	Spray Distance (mm)
34F	GP	9MB63	2	5.2	111	48.6	3.4	17	6.6	500	70-80			B	4.1	13.5	5.9	1.4	64	152
41F-NS	GE	9MB63	2	5.2	111	48.6	3.4	6	8.3	500	50-60	102	2.3/3.4	B	4.1	13.5	5.9	1.4	72	57
	707	9MB63	2	5.2	111	48.6	3.4	11	6.6	600	45-50	102	2.4	A	4.1	13.5	5.9	1.4	152	57
43C-NS	GH	9MB63	2	5.2	111	48.6	3.4	5	6.6	400	55-65			B	4.1	13.5	5.9	1.4	106	127
43F-NS	GH	9MB63	2	5.2	167	73.1	3.4	5	6.6	500	60-70			A	4.1	13.5	5.9	1.4	121	127
43VF-NS	GE	9MB63	2	5.2	167	73.1	3.4	7	6.6	500	45-55	102	2.8	B	4.1	20.5	9.0	1.4	53	64
44	GH	9MB63	2	5.2	111	48.6	3.4	5	8.3	500	55-65			A	4.1	13.5	5.9	1.4	152	127
45C-NS	GE	9MB63	2	5.2	111	48.6	3.4	17	6.6	400	65-70			B	4.1	13.5	5.9	1.4	53	127
45VF-NS	GE	9MB63	2	5.2	167	73.1	3.4	7	4.4	500	45-55	127	2.4/3.4	B	4.1	20.5	9.0	1.4	49	57
51NS	GH	9MB63	2	5.2	167	73.1	3.4	5	6.6	500	60-70			A	4.1	13.5	5.9	1.4	110	127
51F-NS	GE	9MB63	1	5.2	167	73.1	3.4	19	4.4	450	65-75			B	4.1	13.5	5.9	1.4	53	102
52C-NS	GH	9MB63	1	5.2	89	39.0	3.4	15	6.6	500	64-70			B	4.1	13.5	5.9	1.4	76	127
54NS	GH	9MB63	1	5.2	167	73.1	3.4	10	6.6	600	70-75			B	4.1	13.5	5.9	1.4	49	127
	700	9MB63	2	5.2	89	39.0	3.4	10	6.6	500	65-70			B	4.1	13.5	5.9	1.4	60	127
55	GH	9MB63	1	5.2	167	73.1	3.4	5	6.6	500	60-70			B	4.1	13.5	5.9	1.4	114	127
56C-NS	GH	9MB63	2	5.2	89	39.0	3.4	10	8.8	500	55-65			B	4.1	13.5	5.9	1.4	106	127
56F-NS	GH	9MB63	2	5.2	167	73.1	3.4	5	6.6	500	60-70			B	4.1	13.5	5.9	1.4	114	127
57NS	GH	9MB63	2	5.2	84	36.8	3.4	15	6.6	500	60-70	114	2.4	B	4.1	13.5	5.9	1.4	45	64
58NS	GH	9MB63	2	5.2	84	36.8	3.4	15	8.8	500	60-70	114	2.4	B	4.1	13.5	5.9	1.4	45	64
63NS	GE	9MB63	2	5.2	111	48.6	3.4	17	8.8	700	60-70			B	4.1	13.5	5.9	1.4	72	102
	GH	9MB63	2	5.2	90	39.4	3.4	15	6.6	500	64-70			B	4.1	13.5	5.9	1.4	72	102
	GH	9MB63	2	5.2	90	39.4	3.4	15	7.4	500	64-70			A	4.1	13.5	5.9	1.4	167	102
64	GH	9MB63	2	5.2	90	39.4	3.4	15	6.6	400	65-70	Parallel	3.4	B	4.1	13.5	5.9	1.4	76	102
	GH	9MB63	2	5.2	90	39.4	3.4	15	6.6	500	64-70	Parallel	3.4	A	4.1	13.5	5.9	1.4	167	102
66F-NS	GH	9MB63	2	5.2	167	73.1	3.4	10	6.6	500	70-75			B	4.1	13.5	5.9	1.4	45	102
68F-NS-1	GH	9MB63	2	5.2	167	73.1	3.4	10	11.0	500	70-75			B	4.1	13.5	5.9	1.4	45	102
70C-NS	GH	9MB63	2	5.2	90	39.4	3.4	15	11.0	500	60-70			B	4.1	13.5	5.9	1.4	76	102
71NS	GH	9MB63	2	5.2	111	48.6	3.4	10	6.6	500	60-70			C	4.1	13.5	5.9	1.4	45	102
	GP	9MB63	2	5.2	138	60.4	3.4	17	6.6	500	74-80			C	4.1	13.5	5.9	1.4	30	76
71VF-NS	GE	9MB63	2	5.2	111	48.6	3.4	11	6.6	400	55-60			C	4.1	13.5	5.9	1.4	38	76
73F-NS-1	GE	9MB63	2	5.2	178	78.0	3.4	9	6.6	400	50-55			C	4.1	20.5	9.0	1.4	45	76
73F-NS-2	GE	9MB63	2	5.2	178	78.0	3.4	9	6.6	400	50-55			C	4.1	20.5	9.0	1.4	45	76
81NS	GH	9MB63	2	5.2	90	39.4	3.4	15	6.6	500	64-70			C	4.1	13.5	5.9	1.4	38	102
	GP	9MB63	2	5.2	99	43.4	3.4	17	6.6	300	75-80			C	4.1	13.5	5.9	1.4	38	102
81VF-NS	GH	9MB63	2	5.2	111	48.6	3.4	10	6.6	500	60-70			C	4.1	13.5	5.9	1.4	42	57
	700	9MB63	2	5.2	90	39.4	3.4	15	4.4	600	60-70			C	4.1	13.5	5.9	1.4	45	64
101NS	GH	9MB63	2	5.2	90	39.4	3.4	15	2.6	500	64-70			B	4.1	13.5	5.9	1.4	53	76
101B-NS	GH	9MB63	2	5.2	90	39.4	3.4	25	7.4	500	70-80			B	4.1	13.5	5.9	1.4	53	102

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3MBM / 3MBH PARAMETERS

9MC Control Unit

Argon/Hydrogen
Metric Units

Coating Material	Hardware			Argon			Hydrogen			Electric		Air Jets		9MP Powder Feeder						
	Nozzle	Electrode	Powder Injector	Argon Pressure (Bar)	Argon (FMR)	Argon Flow (nlpm)	H2 Pressure (Bar)	H2 (FMR)	H2 Flow (nlpm)	DC Amps	DC Volts	Distance Setting (mm)	Air Pressure (Bar)	Pickup Shaft	Carrier Pressure (Bar)	Carrier Flow (FMR)	Carrier Flow (nlpm)	Air Vibrator (Bar)	Spray Rate (g/min)	Spray Distance (mm)
101SF	GH	9MB63	2	5.2	167	73.1	3.4	15	6.6	500	75-80	89	5.2	C	4.1	26	11.4	1.4	23	51
	GP	9MB63	2	5.2	147	64.4	3.4	19	8.3	500	75-80	89	5.2	C	4.1	26	11.4	1.4	23	51
	700	9MB63	2	5.2	90	39.4	3.4	15	6.6	600	65-75	89	5.2	B	4.1	26	11.4	1.4	53	76
102	GH	9MB63	2	5.2	90	39.4	3.4	15	6.6	500	64-70			B	4.1	13.5	5.9	1.4	53	89
105NS-1	GH	9MB63	2	5.2	90	39.4	3.4	15	6.6	500	64-70			C	4.1	13.5	5.9	1.4	42	76
105SF	GH	9MB63	2	5.2	167	73.1	3.4	15	6.6	500	75-80	89	5.2	C	4.1	26	11.4	1.4	23	57
	GP	9MB63	2	5.2	167	73.1	3.4	19	8.3	500	75-80	89	5.2	C	4.1	26	11.4	1.4	23	57
	700	9MB63	2	5.2	90	39.4	3.4	15	6.6	600	60-70	89	5.2	C	4.1	26	11.4	1.4	45	76
105SFP	GH	9MB63	2	5.2	167	73.1	3.4	10	4.4	500	75-80	89	5.2	C	4.1	26	11.4	1.4	23	64
	700	9MB63	2	5.2	90	39.4	3.4	15	6.6	600	60-70	89	5.2	B	4.1	26	11.4	1.4	45	64
	GP	9MB63	2	5.2	167	73.1	3.4	10	4.4	500	75-80	89	5.2	C	4.1	26	11.4	1.4	23	64
106	GH	9MB63	2	5.2	80	35.0	3.4	15	6.6	500	64-70			C	4.1	13.5	5.9	1.4	38	64
106F	GH	9MB63	2	5.2	80	35.0	3.4	15	6.6	500	60-70	152	3.4	C	4.1	13.5	5.9	1.4	38	64
111	GH	9MB63	2	5.2	90	39.4	3.4	15	6.6	500	64-70			B	4.1	13.5	5.9	1.4	45	89
130	GH	9MB63	2	5.2	90	39.4	3.4	15	6.6	500	70-80			C	4.1	13.5	5.9	1.4	38	114
130SF	GH	9MB63	2	5.2	80	35.0	3.4	20	8.8	500	60-70	89	3.4	C	4.1	20.5	9.0	1.4	23	64
131VF	G	9MB63	2	5.2	111	48.6	3.4	15	6.6	500	60-70	Parallel	3.4	C	4.1	20.5	9.0	1.4	23	76
	700	9MB63	2	5.2	90	39.4	3.4	15	6.6	600	60-70	89	5.2	C	4.1	20.5	9.0	1.4	38	76
	GP	9MB63	2	5.2	111	48.6	3.4	20	8.8	500	75-80	191	3.4	C	4.1	20.5	9.0	1.4	23	152
	GP	9MB63	2	5.2	111	48.6	3.4	20	8.8	500	75-80	Parallel	3.4	C	4.1	20.5	9.0	1.4	23	76
136F	GH	9MB63	2	5.2	80	35.0	3.4	15	6.6	500	64-70	152	3.4	C	4.1	13.5	5.9	1.4	38	64
143	GE	9MB63	2	5.2	84	36.8	3.4	17	7.4	600	60-70	76	4.8	C	4.1	13.5	5.9	1.4	38	76
	GE	9MB63	2	5.2	64	28.0	3.4	15	6.6	700	60-70	76	4.8	B	4.1	13.5	5.9	1.4	76	76
201NS	GH	9MB63	2	5.2	90	39.4	3.4	15	6.6	500	60-70			C	4.1	13.5	5.9	1.4	45	76
201B-NS	GH	9MB63	2	5.2	90	39.4	3.4	15	6.6	500	60-75			C	4.1	13.5	5.9	1.4	49	76
201BNS-1	GH	9MB63	2	5.2	90	39.4	3.4	25	11.0	500	70-80			B	4.1	13.5	5.9	1.4	91	57
	GH	9MB63	2	5.2	90	39.4	3.4	25	11.0	500	70-80			C	4.1	13.5	5.9	1.4	45	57
202NS	GH	9MB63	2	5.2	90	39.4	3.4	15	6.6	500	64-70			B	4.1	13.5	5.9	1.4	91	64
	GH	9MB63	2	5.2	90	39.4	3.4	15	6.6	500	64-70			C	4.1	13.5	5.9	1.4	45	64
204NS	GH	9MB63	2	5.2	90	39.4	3.4	15	6.6	600	64-70			C	4.1	13.5	5.9	1.4	45	64
	GH	9MB63	2	5.2	90	39.4	3.4	15	6.6	600	64-70			B	4.1	13.5	5.9	1.4	91	64
204B-NS	G	9MB63	2	5.2	90	39.4	3.4	15	6.6	500	60-70			C	4.1	13.5	5.9	1.4	45	64
205NS	GH	9MB63	2	5.2	80	35.0	3.4	15	6.6	400	65-75	Parallel	3.4	C	4.1	13.5	5.9	1.4	45	102
210NS-1	GH	9MB63	2	5.2	80	35.0	3.4	15	6.6	500	64-70			C	4.1	13.5	5.9	1.4	38	76
303NS-1	GH	9MB63	2	5.2	90	39.4	3.4	15	6.6	500	64-70			C	4.1	13.5	5.9	1.4	45	102
311NS	GH	9MB63	6	5.2	111	48.6	3.4	15	6.6	500	60-70	Parallel	5.1	B	4.1	13.5	5.9	1.4	61	102
313NS	GH	9MB63	1	5.2	212	92.9	3.4	10	4.4	500	75-85			B	4.1	20.5	9.0	1.4	61	127
320NS	GH	9MB63	1	5.2	212	92.9	3.4	6	2.6	500	70-80	Parallel	1.7-2	B	4.1	18	7.9	1.4	53	152
350NS	GH	9MB63	1	5.2	111	48.6	3.4	17	7.4	500	65-70	Parallel	4.8	B	4.1	13.5	5.9	1.4	76	102

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9MC Control Unit

Coating Material	Hardware			Argon			Hydrogen			Electric		Air Jets		9MP Powder Feeder						
	Nozzle	Electrode	Powder Injector	Argon Pressure (Bar)	Argon (FMR)	Argon Flow (nlpm)	H2 Pressure (Bar)	H2 (FMR)	H2 Flow (nlpm)	DC Amps	DC Volts	Distance Setting (mm)	Air Pressure (Bar)	Pickup Shaft	Carrier Pressure (Bar)	Carrier Flow (FMR)	Carrier Flow (nlpm)	Air Vibrator (mm)	Spray Rate (g/min)	Spray Distance (mm)
404NS	GH	9M63	1	5.2	111	48.6	3.4	17	7.4	500	64-70			B	4.1	13.5	5.9	1.4	75	127
410NS	GH	9M63	1	5.2	90	39.4	3.4	15	6.6	500	64-70			C	4.1	13.5	5.9	1.4	38	102
430NS	GE	9M63	2	5.2	111	48.6	3.4	28	12.3	500	60-70			B	4.1	20.5	9.0	1.4	76	102
439NS	G	9M63	1	5.2	80	35.0	3.4	20	8.8	500	60-65			C	4.1	13.5	5.9	1.4	45	152
439NS-2	GP	9M63	2	5.2	111	48.6	3.4	17	7.4	400	75-80			B	4.1	13.5	5.9	1.4	76	140
	700	9M63	2	5.2	90	39.4	3.4	15	6.6	600	60-70			A	4.1	13.5	5.9	1.4	144	152
443NS	GH	9M63	2	5.2	90	39.4	3.4	20	8.8	500	70-80			B	4.1	13.5	5.9	1.4	61	140
444	GH	9M63	2	5.2	90	39.4	3.4	15	6.6	500	64-70			A	4.1	13.5	5.9	1.4	189	127
445	GH	9M63	2	5.2	90	39.4	3.4	15	6.6	500	64-70			A	4.1	13.5	5.9	1.4	152	64
447NS	GH	9M63	4	5.2	111	48.6	3.4	15	6.6	500	65-75			A	4.1	13.5	5.9	1.4	189	152
449P	GE	9M63	2	5.2	90	39.4	3.4	17	7.4	500	60-70			A	4.1	13.5	5.9	1.4	136	152
450P	GH	9M63	2	5.2	90	39.4	3.4	15	6.6	400	65-75			B	4.1	13.5	5.9	1.4	68	102
450NS	GH	9M63	2	5.2	90	39.4	3.4	15	6.6	500	64-70			B	4.1	13.5	5.9	1.4	68	140
	GH	9M63	2	5.2	90	39.4	3.4	15	6.6	500	64-70			B	4.1	13.5	5.9	1.4	76	152
451	GH	9M63	2	5.2	90	39.4	3.4	20	8.8	500	70-80			A	4.1	13.5	5.9	1.4	114	114
452	GH	9M63	2	5.2	90	39.4	3.4	15	6.6	500	60-70			B	4.1	13.5	5.9	1.4	68	140
453	GH	9M63	2	5.2	90	39.4	3.4	15	6.6	500	60-70			B	4.1	10.5	4.6	1.4	61	127
461NS	GH	9M63	2	5.2	90	39.4	3.4	20	8.8	500	70-80			C	4.1	13.5	5.9	1.4	30	229
	GH	9M63	2	5.2	90	39.4	3.4	20	8.8	500	70-80			B	4.1	13.5	5.9	1.4	61	140
480NS	GH	9M63	2	5.2	90	39.4	3.4	15	6.6	500	65-70			B	4.1	13.5	5.9	1.4	68	152
600NS	GP	9M63	2	5.2	212	92.9	3.4	6	2.6	500	65-75	Parallel	4.8	C	4.1	26	11.4	1.4	27	83
601NS	GP	9M63	2	5.2	212	92.9	3.4	6	2.6	500	65-75	Parallel	4.8	C	4.1	20.5	9.0	1.4	27	89
	GP	9M63	2	5.2	212	92.9	3.4	6	2.6	500	65-75	Parallel	5.2	B	4.1	20.5	9.0	1.4	76	89
605NS	GH	9M63	2	5.2	167	73.1	3.4	5	2.2	400	60-70			B	4.1	13.5	5.9	1.4	53	83
610NS	GH	9M63	4	5.2	167	73.1	3.4	15	6.6	400	75			A	4.1	20.5	9.0	1.4	114	127
700	GH	9M63	2	5.2	90	39.4	3.4	10	4.4	500	65	100	3.4	B	4.1	13.5	5.9	1.4	53	102
	GP	9M63	2	5.2	140	61.3	3.4	17	7.4	500	80	Parallel	3.4	B	4.1	13.5	5.9	1.4	53	152
	GP	9M63	2 [6]	5.2	140	61.3	3.4	17	7.4	500	80	Parallel	3.4	B	4.1	13.5	5.9	1.4	152	152
1123	GE	9M63	2	5.2	90	39.4	3.4	11	4.8	500	55-60			B	4.1	13.5	5.9	1.4	91	127
2043	GH	9M63	1	5.2	100	43.8	3.4	10	4.4	450	60-65	Parallel	1.4-1.7	C	4.1	12	5.3	1.4	45	127

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9MC Control Unit

Coating	Hardware			Argon			Hydrogen			Electric		Air Jets		9MP Powder Feeder						
Material			Powder	Argon	Argon	Argon	H2	H2	H2	DC	DC	Distance	Air	Pickup	Carrier	Carrier	Carrier	Air	Spray	Spray
	Nozzle	Electrode	Injector	Pressure	(FMR)	Flow	Pressure	(FMR)	Flow	Amps	Volts	Setting	Pressure	Shaft	Pressure	Flow	Flow	Vibrator	Rate	Distance
				(bar)		(nlpm)	(Bar)		(nlpm)			(mm)	(Bar)		(Bar)	(FMR)	(nlpm)	(Bar)	(g/min)	(mm)
A 387	GH	9MB63	2	5.2	90	39.42	3.45	15	6.57	500	65-70	parallel	3.45	B	4.14	13.5	5.91	1.38	68	152
A 956	GH	9MB63	2	5.2	100	43.8	3.45	15	6.57	500	65-75	parallel	3.45	A	4.14	10	4.38	1.38	61	127
A 959	GH	9MB63	2	5.2	100	43.8	3.45	15	6.57	500	65-75	parallel	3.45	A	4.14	10	4.38	1.38	61	127
A 960	GH	9MB63	2	5.2	100	43.8	3.45	15	6.57	500	65-75	parallel	3.45	A	4.14	10	4.38	1.38	61	127
A 962	GH	9MB63	2	5.2	100	43.8	3.45	15	6.57	500	65-75	parallel	3.45	A	4.14	10	4.38	1.38	61	127
A 4300	GH	9MB63	2	5.2	84	36.8	3.45	15	6.57	500	60-70	114	2.41	B	4.14	10	4.38	1.38	45	64
A 5670	GE	9MB63	2	5.2	178	78.0	3.45	9	3.942	400	50-55	0		C	4.14	20.5	8.98	1.38	45	76
A 6417	700	9MB63	4	5.2	84	36.8	3.45	25	10.95	600	65-75	102	2.76	C	4.14	16	7.01	1.38	34	64
A 6420	700	9MB63	4	5.2	84	36.8	3.45	25	10.95	600	65-75	102	2.76	C	4.14	16	7.01	1.38	34	64

Notes :

1. Install Argon gas ring.
2. Voltage shown is taken at the JAM box or Distribution Unit using 5 meter (15 ft) cables. Voltage will vary with cable length and condition.
3. The allowable range for all voltage is +/- 5 volts from the published value. Voltage will decrease as the nozzle and electrode become worn from use.
4. FMR = FlowMeter Reading
5. Keep secondary Hydrogen flow constant. Do not adjust flow to obtain voltage.
6. Use two (2) powder injectors and divide the spray rate equally between them.

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3MBM / 3MBH PARAMETERS

9MC Control Unit

Coating Material	Hardware			Argon			Helium			Electric		Air Jets		9MP Powder Feeder						
	Nozzle	Electrode	Powder Injector	Argon Pressure (psig)	Argon (FMR)	Argon Flow (scfh)	He Pressure (psig)	He (FMR)	He Flow (scfh)	DC Amps	DC Volts	Distance Setting (inch)	Air Pressure (psig)	Pickup Shaft	Carrier Pressure (psig)	Carrier Flow (FMR)	Carrier Flow (scfh)	Air Vibrator (psig)	Spray Rate (lb/h)	Spray Distance (inch)
45C-NS	GP	9MB63	3	75	39	39	75	176	176	700	42-47			C	60	13.5	13.5	20	4	3
63NS	GP	9MB63	3	75	35	35	75	109	109	750	45-50			C	60	13.5	13.5	20	3.5	5
71NS	GP	9MB63	1	75	35	35	75	137	137	900	40-45			B	60	17.5	17.5	20	15	5
71VF-NS	GP	9MB63	3	75	35	35	75	137	137	500	45-50			C	60	13.5	13.5	20	4	3.25
	704	9MB63	5	75	224	224	75	88	88	600	60-70			C	60	20.5	20.5	20	6	2.5
72F-NS	GP	9MB63	3	75	180	180	75	140	140	500	70-75			C	60	26	26	20	8	3
73F-NS-1/ 73F-NS-2	704	9MB63	5	75	224	224	75	53	53	1000	58			C	60	20.5	20.5	20	6	3.5
73SF-NS	704	9MB63	5	75	258	258	75	53	53	600	60-70			C	60	20.5	20.5	20	6	2.5
81NS	GP	9MB63	3	75	35	35	75	137	137	900	40-45			C	60	20.5	20.5	20	2.5	4
81VF-NS	GP	9MB63	3	75	35	35	75	137	137	800	40-50	3	45	C	60	20.5	20.5	20	5.5	2.25
82VF-NS	GE	9MB63	5	75	50	50	75	62	62	800	40-45	Parallel	50	C	60	13.5	13.5	20	6	2
404NS	GH	9MB63	3	75	30	30	75	137	137	750	42-47			C	60	20.5	20.5	20	3	6
450NS	GH	9MB63	3	75	30	30	75	137	137	500	42-47			C	60	20.5	20.5	20	3	4
600NS	GP	9MB63	2	75	134	134	75	106	106	500	55-60	Parallel	75	C	60	26	26	20	3.25	3.25
601NS	GP	9MB63	2	75	167	167	75	26	26	500	45-50	Parallel	75	C	60	20.5	20.5	20	3.25	3.5
605NS	GH	9MB63	2	75	111	111	75	88	88	500	45-50			B	60	13.5	13.5	20	7	3.25

Notes :

1. Install Argon gas ring.
2. Voltage shown is taken at the JAM box or Distribution Unit using 5 meter (15 ft) cables. Voltage will vary with cable length and condition.
3. The allowable range for all voltage is +/- 5 volts from the published value. Voltage will decrease as the nozzle and electrode become worn from use.
4. FMR = FlowMeter Reading
5. Keep secondary Helium flow constant. Do not adjust flow to obtain voltage.

Released on: 10/16/2014
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3MBM / 3MBH PARAMETERS

9MC Control Unit

Argon/Helium
Metric Units

Coating Material	Hardware			Argon			Helium			Electric		Air Jets		9MP Powder Feeder						
	Nozzle	Electrode	Powder Injector	Argon Pressure (Bar)	Argon FMR	Argon Flow (nlpm)	He Pressure (Bar)	He FMR	He Flow (nlpm)	DC Amps	DC Volts	Distance Setting (mm)	Air Pressure (Bar)	Pickup Shaft	Carrier Pressure (Bar)	Carrier Flow (FMR)	Carrier Flow (nlpm)	Air Vibrator (Bar)	Spray Rate (g/min)	Spray Distance (mm)
45C-NS	GP	9MB63	3	5.2	39	17.1	5.2	176	77.1	700	42-47			C	4.1	5.9	5.9	1.4	30	76
63NS	GP	9MB63	3	5.2	35	15.3	5.2	109	47.7	750	45-50			C	4.1	5.9	5.9	1.4	27	127
71NS	GP	9MB63	1	5.2	35	15.3	5.2	137	60.0	900	40-45			B	4.1	7.7	7.7	1.4	114	127
71VF-NS	GP	9MB63	3	5.2	35	15.3	5.2	137	60.0	500	45-50			C	4.1	5.9	5.9	1.4	30	83
	704	9MB63	5	5.2	224	98.1	5.2	88	38.5	600	60-70			C	4.1	9.0	9.0	1.4	45	64
72F-NS	GP	9MB63	3	5.2	180	78.8	5.2	140	61.3	500	70-75			C	4.1	11.4	11.4	1.4	61	76
73F-NS-1/ 73F-NS-2	704	9MB63	5	5.2	224	98.1	5.2	53	23.2	1000	58			C	4.1	9.0	9.0	1.4	45	89
73SF-NS	704	9MB63	5	5.2	258	113.0	5.2	53	23.2	600	60-70			C	4.1	9.0	9.0	1.4	45	64
81NS	GP	9MB63	3	5.2	35	15.3	5.2	137	60.0	900	40-45			C	4.1	9.0	9.0	1.4	19	102
81VF-NS	GP	9MB63	3	5.2	35	15.3	5.2	137	60.0	800	40-50	76	3.1	C	4.1	9.0	9.0	1.4	42	57
82VF-NS	GE	9MB63	5	5.2	50	21.9	5.2	62	27.2	800	40-45	Parallel	3.4	C	4.1	5.9	5.9	1.4	45	51
404NS	GH	9MB63	3	5.2	30	13.1	5.2	137	60.0	750	42-47			C	4.1	9.0	9.0	1.4	23	152
450NS	GH	9MB63	3	5.2	30	13.1	5.2	137	60.0	500	42-47			C	4.1	9.0	9.0	1.4	23	102
600NS	GP	9MB63	2	5.2	134	58.7	5.2	106	46.4	500	55-60	Parallel	5.2	C	4.1	11.4	11.4	1.4	25	83
601NS	GP	9MB63	2	5.2	167	73.1	5.2	26	11.4	500	45-50	Parallel	5.2	C	4.1	9.0	9.0	1.4	25	89
605NS	GH	9MB63	2	5.2	111	48.6	5.2	88	38.5	500	45-50			B	4.1	5.9	5.9	1.4	53	83

Notes :

1. Install Argon gas ring.
2. Voltage shown is taken at the JAM box or Distribution Unit using 5 meter (15 ft) cables. Voltage will vary with cable length and condition.
3. The allowable range for all voltage is +/- 5 volts from the published value. Voltage will decrease as the nozzle and electrode become worn from use.
4. FMR = FlowMeter Reading
5. Keep secondary Helium flow constant. Do not adjust flow to obtain voltage.

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3MBM / 3MBH PARAMETERS

Nitrogen
US Units

9MC Control Unit

Coating Material	Hardware			Pressure	Flow		Electric		Air Jets		9MP Powder Feeder						
	Nozzle	Electrode	Powder Injector	Nitrogen Pressure (psig)	Flowmeter Reading (FMR)	Flow (scfh)	DC Amps	DC Volts	Distance Setting (inch)	Air Pressure (psig)	Pickup Shaft	Carrier Pressure (psig)	Carrier Flow (FMR)	Carrier Flow (scfh)	Air Vibrator (psig)	Spray Rate (lb/h)	Spray Distance (inch)
44	707	9MB63	1	50	75	75	400	65-70			A	40	14	14	20	25	5
51NS	707	9MB63	2	50	150	150	600	65-70			A	40	14	14	20	25	5
54NS	707	9MB63	1	50	150	150	600	65-70			B	40	14	14	20	15	5
63NS	700	9MB63	1	50	150	150	600	65-70			A	40	14	14	20	22	6
101NS	700	9MB63	2	50	90	90	700	65-70			A	40	14	14	20	15	3
101SF	700	9MB63	2	50	120	120	700	60-70			C	40	27	27	20	6	2.5
105NS	700	9MB63	2	50	90	90	700	65-70			B	40	14	14	20	15	2.5
105SF	700	9MB63	2	50	120	120	700	60-70			B	40	27	27	20	6	2.5
105SFP	700	9MB63	2	50	120	120	700	60-70	6.5	50	B	40	27	27	20	6	2.5
106F	700	9MB63	2	50	90	90	700	65-70	6	50	B	40	9	9	20	15	2.5
130	700	9MB63	2	50	71	71	700	60-70			C	40	9	9	20	10	4
130SF	700	9MB63	2	50	120	120	700	60-70	Parallel	50	C	40	21.5	21.5	20	5	2.5
	707	9MB63	2	50	90	90	600	65-70	Parallel	50	C	40	20.5	20.5	20	3	2.5
131VF	707	9MB63	2	50	90	90	600	65-70	Parallel	50	C	40	20.5	20.5	20	3	2.5
136F	700	9MB63	2	50	88	88	700	65-70	6	50	B	40	14	14	20	15	2.5
202NS	700	9MB63	2	50	71	71	700	65-70			B	40	14	14	20	15	3.5
442	707	9MB63	2	50	88	88	500	65-70			A	40	14	14	20	25	10
	707	9MB63	2	50	88	88	600	60-70			A	40	14	14	20	25	5
444	707	9MB63	2	50	88	88	600	60-70			A	40	14	14	20	25	5
445	707	9MB63	2	50	175	175	400	60-70			A	40	14	14	20	25	5
447NS	707	9MB63	2	50	88	88	600	60-70			A	40	14	14	20	25	5
450NS	700	9MB63	6	50	71	71	700	60-70			A	40	14	14	20	25	5
	700	9MB63	2	50	120	120	600	65-75			A	40	12	12	20	25	6
450P	700	9MB63	2	50	118	118	600	65-75			A	40	14	14	20	25	6
452	700	9MB63	6	50	118	118	600	65-75			A	40	14	14	20	25	6
700	G	9MB63	2	50	65	65	500	65	Parallel	50	C	40	14	14	20	10	4
1123	GE	9MB63	5	50	88	88	500	60-70			B	40	14	14	20	13	5

Notes :

1. Install Nitrogen gas ring.
2. Voltage shown is taken at the JAM box or Distribution Unit using 5 meter (15 ft) cables. Voltage will vary with cable length and condition.
3. The allowable range for all voltage is +/- 5 volts from the published value. Voltage will decrease as the nozzle and electrode become worn from use.
4. FMR = FlowMeter Reading

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3MBM / 3MBH PARAMETERS

9MC Control Unit

Coating Material	Hardware			Pressure	Flow		Electric		Air Jets		9MP Powder Feeder						
	Nozzle	Electrode	Powder Injector	Nitrogen Pressure (Bar)	Flowmeter Reading (FMR)	Flow (nlpm)	DC Amps	DC Volts	Distance Setting (mm)	Air Pressure (Bar)	Pickup Shaft	Carrier Pressure (Bar)	Carrier Flow (FMR)	Carrier Flow (nlpm)	Air Vibrator (Bar)	Spray Rate (g/min)	Spray Distance (mm)
44	707	9MB63	1	3.4	75	32.9	400	65-70			A	2.8	14	6.1	1.4	189	127
51NS	707	9MB63	2	3.4	150	65.7	600	65-70			A	2.8	14	6.1	1.4	189	127
54NS	707	9MB63	1	3.4	150	65.7	600	65-70			B	2.8	14	6.1	1.4	114	127
63NS	700	9MB63	1	3.4	150	65.7	600	65-70			A	2.8	14	6.1	1.4	167	152
101NS	700	9MB63	2	3.4	90	39.4	700	65-70			A	2.8	14	6.1	1.4	114	76
101SF	700	9MB63	2	3.4	120	52.6	700	60-70			C	2.8	27	11.8	1.4	45	64
105NS	700	9MB63	2	3.4	90	39.4	700	65-70			B	2.8	14	6.1	1.4	114	64
105SF	700	9MB63	2	3.4	120	52.6	700	60-70			B	2.8	27	11.8	1.4	45	64
105SFP	700	9MB63	2	3.4	120	52.6	700	60-70	165	3.4	B	2.8	27	11.8	1.4	45	64
106F	700	9MB63	2	3.4	90	39.4	700	65-70	152	3.4	B	2.8	9	3.9	1.4	114	64
130	700	9MB63	2	3.4	71	31.1	700	60-70			C	2.8	9	3.9	1.4	76	102
130SF	700	9MB63	2	3.4	120	52.6	700	60-70	Parallel	3.4	C	2.8	21.5	9.4	1.4	38	64
	707	9MB63	2	3.4	90	39.4	600	65-70	Parallel	3.4	C	2.8	20.5	9.0	1.4	23	64
131VF	707	9MB63	2	3.4	90	39.4	600	65-70	Parallel	3.4	C	2.8	20.5	9.0	1.4	23	64
136F	700	9MB63	2	3.4	88	38.5	700	65-70	152	3.4	B	2.8	14	6.1	1.4	114	64
202NS	700	9MB63	2	3.4	71	31.1	700	65-70			B	2.8	14	6.1	1.4	114	89
442	707	9MB63	2	3.4	88	38.5	500	65-70			A	2.8	14	6.1	1.4	189	254
	707	9MB63	2	3.4	88	38.5	600	60-70			A	2.8	14	6.1	1.4	189	127
444	707	9MB63	2	3.4	88	38.5	600	60-70			A	2.8	14	6.1	1.4	189	127
445	707	9MB63	2	3.4	175	76.7	400	60-70			A	2.8	14	6.1	1.4	189	127
447NS	707	9MB63	2	3.4	88	38.5	600	60-70			A	2.8	14	6.1	1.4	189	127
450NS	700	9MB63	6	3.4	71	31.1	700	60-70			A	2.8	14	6.1	1.4	189	127
	700	9MB63	2	3.4	120	52.6	600	65-75			A	2.8	12	5.3	1.4	189	152
450P	700	9MB63	2	3.4	118	51.7	600	65-75			A	2.8	14	6.1	1.4	189	152
452	700	9MB63	6	3.4	118	51.7	600	65-75			A	2.8	14	6.1	1.4	189	152
700	G	9MB63	2	3.4	65	28.5	500	65	Parallel	3.4	C	2.8	14	6.1	1.4	76	102
1123	GE	9MB63	5	3.4	88	38.5	500	60-70			B	2.8	14	6.1	1.4	98	127

Notes :

1. Install a Nitrogen gas ring.
2. Voltage shown is taken at the JAM box or Distribution Unit using 5 meter (15 ft) cables. Voltage will vary with cable length and condition.
3. The allowable range for all voltage is +/- 5 volts from the published value. Voltage will decrease as the nozzle and electrode become worn from use.
4. FMR = FlowMeter Reading

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3MBM / 3MBH PARAMETERS

9MC Control Unit

Coating Material	Hardware			Nitrogen			Hydrogen			Electric		Air Jets		9MP Powder Feeder						
	Nozzle	Electrode	Powder Injector	Nitrogen Pressure (psig)	Nitrogen (FMR)	Nitrogen Flow (scfh)	H2 Pressure (psig)	H2 (FMR)	H2 Flow (scfh)	DC Amps	DC Volts	Distance Setting (inch)	Air Pressure (psig)	Pickup Shaft	Carrier Pressure (psig)	Carrier Flow (FMR)	Carrier Flow (scfh)	Air Vibrator (psig)	Spray Rate (lb/h)	Spray Distance (inch)
31C-NS	G	9MB63	1	50	100	100	50	15	15	400	70-80			B	40	12	12	20	18	5
32C	G	9MB63	1	50	100	100	50	15	15	400	70-80			B	40	12	12	20	18	5
34F	GE	9MB63	2	50	150	150	50	18	18	400	75-85			C	40	12	12	20	9	6
34FP	G	9MB63	1	50	100	100	50	15	15	400	50-60			C	40	12	12	20	16	5
41C	G	9MB63	1	50	100	100	50	15	15	400	70-80			B	40	12	12	20	14.5	5
42C	G	9MB63	1	50	100	100	50	15	15	400	70-80			A	40	12	12	20	17	5
43C-NS	G	9MB63	1	50	100	100	50	15	15	400	70-80			A	40	12	12	20	19	5
43F-NS	G	9MB63	1	50	100	100	50	15	15	400	70-80			B	40	12	12	20	16	5
44	G	9MB63	1	50	100	100	50	15	15	400	70-80			A	40	12	12	20	20	5
45C-NS	G	9MB63	1	50	100	100	50	15	15	400	70-80			B	40	12	12	20	15	5
51NS	G	9MB63	1	50	150	150	50	5	5	400	65-75			A	40	12	12	20	18.5	5
51F-NS	GE	9MB63	1	50	150	150	50	13	13	350	65-75			C	40	12	12	20	8	4
52C-NS	G	9MB63	1	50	125	125	50	15	15	500	70-80			B	40	12	12	20	10	5
54NS-1	G	9MB63	1	50	150	150	50	10	10	400	65-70			C	40	12	12	20	6.5	5
55	G	9MB63	1	50	150	150	50	10	10	400	70-80			B	40	12	12	20	15	5
56C-NS	G	9MB63	2	50	100	100	50	5	5	500	65-75			B	40	12	12	20	16	5
56F-NS	G	9MB63	2	50	150	150	50	10	10	400	65-75			B	40	12	12	20	15	5
57NS	GE	9MB63	2	50	100	100	50	17	17	450	75-85	4.5	40	C	40	12	12	20	6	2.5
58NS	GE	9MB63	2	50	100	100	50	17	17	450	75-85	4.5	40	C	40	12	12	20	6	2.5
63NS	G	9MB63	1	50	100	100	50	15	15	400	70-80			B	40	12	12	20	9.5	4
	G	9MB63	1	50	100	100	50	15	15	400	70-80			A	40	12	12	20	22	4
64	GE	9MB63	2	50	100	100	50	17	17	400	75-85	Parallel	50	B	40	12	12	20	10	4
	G	9MB63	2	50	75	75	50	15	15	400	74-80	Parallel	50	A	40	12	12	20	22	4
70C-NS	G	9MB63	1	50	75	75	50	15	15	500	74-80			B	40	12	12	20	14	4
81NS	G	9MB63	2	50	75	75	50	15	15	500	74-80			B	40	12	12	20	15	4
81VF-NS	GE	9MB63	2	50	150	150	50	6	6	500	70-80	4	40	C	40	18	18	20	5.5	2.25
101NS	G	9MB63	2	50	75	75	50	15	15	500	74-80			B	40	12	12	20	7	3
	G	9MB63	2	50	75	75	50	15	15	500	74-80			B	40	14	14	20	12	3
101B-NS	G	9MB63	2	50	75	75	50	15	15	500	74-80			B	40	12	12	20	7	4
102	G	9MB63	2	50	75	75	50	15	15	500	74-80			B	40	12	12	20	7	3.5
105NS	G	9MB63	2	50	75	75	50	15	15	500	74-80			C	40	12	12	20	5.5	3
105NS-1	G	9MB63	2	50	75	75	50	15	15	500	74-80			B	40	14.5	14.5	20	10	3
106	G	9MB63	2	50	75	75	50	15	15	500	74-80			B	40	12	12	20	9	2.5
106F	G	9MB63	2	50	75	75	50	15	15	500	74-80	6	50	B	40	12	12	20	10	2.5
111	G	9MB63	2	50	75	75	50	15	15	500	74-80			C	40	12	12	20	6	3.5
130	G	9MB63	2	50	75	75	50	15	15	500	74-80			C	40	12	12	20	5	4.5
130SF	G	9MB63	2	50	100	100	50	15	15	500	74-80	3.5	50	C	40	18	18	20	3	2.5
131VF	G	9MB63	2	50	100	100	50	15	15	500	74-80	Parallel	50	C	40	18	18	20	3	3
	GE	9MB63	2	50	75	75	50	17	17	500	74-80	Parallel	50	C	40	18	18	20	3	3
136F	G	9MB63	2	50	75	75	50	15	15	500	74-80	6.5	50	C	40	12	12	20	9	3
136CP	G	9MB63	2	50	75	75	50	15	15	500	74-80	6.5	50	C	40	12	12	20	8.5	3

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3MBM / 3MBH PARAMETERS

9MC Control Unit

Coating Material	Hardware			Nitrogen			Hydrogen			Electric		Air Jets		9MP Powder Feeder						
	Nozzle	Electrode	Powder Injector	Nitrogen Pressure (psig)	Nitrogen (FMR)	Argon Flow (scfh)	H2 Pressure (psig)	H2 (FMR)	H2 Flow (scfh)	DC Amps	DC Volts	Distance Setting (inch)	Air Pressure (psig)	Pickup Shaft	Carrier Pressure (psig)	Carrier Flow (FMR)	Carrier Flow (scfh)	Air Vibrator (psig)	Spray Rate (lb/h)	Spray Distance (inch)
201NS	G	9MB63	2	50	75	75	50	15	15	500	74-80			B	40	12	12	20	12	3
201B-NS	G	9MB63	2	50	75	75	50	15	15	500	75-80			C	40	12	12	20	12	3
	G	9MB63	2	50	75	75	50	15	15	500	75-80			B	40	14	14	20	16	3
201B-NS-1	G	9MB63	2	50	75	75	50	15	15	500	74-80			C	40	12	12	20	6	2.25
	G	9MB63	2	50	75	75	50	15	15	500	74-80			B	40	12	12	20	12	2.25
202NS	G	9MB63	2	50	75	75	50	15	15	500	74-80			C	40	12	12	20	6	2.5
	G	9MB63	2	50	75	75	50	15	15	500	74-80			B	40	12	12	20	12	2.5
204NS	G	9MB63	2	50	75	75	50	15	15	500	74-80			C	40	12	12	20	6	2.5
	G	9MB63	2	50	75	75	50	15	15	500	74-80			B	40	12	12	20	12	2.5
204B-NS	G	9MB63	2	50	75	75	50	15	15	500	74-80			C	40	12	12	20	6	2.5
	G	9MB63	2	50	75	75	50	15	15	500	74-80			B	40	12	12	20	12	2.5
205NS	G	9MB63	2	50	75	75	50	15	15	500	75-80			C	40	12	12	20	6	4.5
210NS-1	G	9MB63	2	50	75	75	50	15	15	500	74-80			B	40	12	12	20	11	4
212F-NS	G	9MB63	2	50	75	75	50	15	15	500	74-80			C	40	12	12	20	6	7
303NS-1	GE	9MB63	2	50	75	75	50	17	17	500	74-80			B	40	12	12	20	8	5
350NS	GE	9MB63	1	50	100	100	50	17	17	400	75-85	Parallel	70	B	40	12	12	20	12	4
404NS	G	9MB63	1	50	75	75	50	15	15	500	74-80			B	40	12	12	20	15	5
410NS	G	9MB63	1	50	75	75	50	15	15	500	74-80			B	40	12	12	20	8	4
430NS	GE	9MB63	2	50	150	150	50	13	13	400	75-85			B	40	18	18	20	10	4
439NS	GE	9MB63	2	50	75	75	50	17	17	500	74-80			B	40	12	12	20	15	6.5
439NS-2	GE	9MB63	1	50	75	75	50	17	17	500	74-80			B	40	12	12	20	15	6.5
443NS	G	9MB63	2	50	150	150	50	15	15	500	74-80			B	40	12	12	20	8	5.5
445	G	9MB63	1	50	150	150	50	15	15	500	74-80			A	40	12	12	20	20	5
447NS	G	9MB63	2	50	150	150	50	10	10	500	70-80			B	40	12	12	20	9	5
450NS	G	9MB63	2	50	150	150	50	10	10	500	70-80			B	40	12	12	20	9	6
450P	G	9MB63	2	50	150	150	50	10	10	400	65-75			B	40	12	12	20	9	4
451	G	9MB63	1	50	100	100	50	15	15	500	74-80			B	40	12	12	20	16	4.5
452	G	9MB63	2	50	150	150	50	10	10	500	74-80			B	40	12	12	20	9	6
453	G	9MB63	2	50	150	150	50	10	10	500	70-80			B	40	12	12	20	8	5
	GE	9MB63	6	50	75	75	50	11	11	500	75-85			B	40	12	12	20	15	5.5
461NS	G	9MB63	2	50	150	150	50	15	15	500	75-80			B	40	12	12	20	8	5.5
605NS	GE	9MB63	2	50	150	150	50	6	6	350	65-75			B	40	12	12	20	10	3.25
700F	GE	9MB63	2	50	100	100	50	17	17	400	85	4	70	B	40	12	12	20	7	4

Notes :

1. Install a Nitrogen gas ring.
2. Voltage shown is taken at the JAM box or Distribution Unit using 5 meter (15 ft) cables. Voltage will vary with cable length and condition.
3. The allowable range for all voltage is +/- 5 volts from the published value. Voltage will decrease as the nozzle and electrode become worn from use.
4. FMR = FlowMeter Reading
5. Keep secondary Hydrogen flow constant. Do not adjust flow to obtain voltage.

Issued May 2003 Rev. A

Printed on: 11/12/2015

PAR 40924 EN 03 Released on: 10/16/2014

3MBM / 3MBH PARAMETERS

9MC Control Unit

Coating Material	Hardware			Nitrogen			Hydrogen			Electric		Air Jets		9MP Powder Feeder						
	Nozzle	Electrode	Powder Injector	Nitrogen Pressure (Bar)	Nitrogen (FMR)	Nitrogen Flow (nlpm)	H2 Pressure (Bar)	H2 (FMR)	H2 Flow (nlpm)	DC Amps	DC Volts	Distance Setting (mm)	Air Pressure (Bar)	Pickup Shaft	Carrier Pressure (Bar)	Carrier Flow (FMR)	Carrier Flow (nlpm)	Air Vibrator (Bar)	Spray Rate (g/min)	Spray Distance (mm)
31C-NS	G	9MB63	1	3.4	100	43.8	3.4	15	6.6	400	70-80			B	2.8	12	5.3	1.4	136	127
32C	G	9MB63	1	3.4	100	43.8	3.4	15	6.6	400	70-80			B	2.8	12	5.3	1.4	136	127
34F	GE	9MB63	2	3.4	150	65.7	3.4	18	7.9	400	75-85			C	2.8	12	5.3	1.4	68	152
34FP	G	9MB63	1	3.4	100	43.8	3.4	15	6.6	400	50-60			C	2.8	12	5.3	1.4	121	127
41C	G	9MB63	1	3.4	100	43.8	3.4	15	6.6	400	70-80			B	2.8	12	5.3	1.4	110	127
42C	G	9MB63	1	3.4	100	43.8	3.4	15	6.6	400	70-80			A	2.8	12	5.3	1.4	129	127
43C-NS	G	9MB63	1	3.4	100	43.8	3.4	15	6.6	400	70-80			A	2.8	12	5.3	1.4	144	127
43F-NS	G	9MB63	1	3.4	100	43.8	3.4	15	6.6	400	70-80			B	2.8	12	5.3	1.4	121	127
44	G	9MB63	1	3.4	100	43.8	3.4	15	6.6	400	70-80			A	2.8	12	5.3	1.4	152	127
45C-NS	G	9MB63	1	3.4	100	43.8	3.4	15	6.6	400	70-80			B	2.8	12	5.3	1.4	114	127
51NS	G	9MB63	1	3.4	150	65.7	3.4	5	2.2	400	65-75			A	2.8	12	5.3	1.4	140	127
51F-NS	GE	9MB63	1	3.4	150	65.7	3.4	13	5.7	350	65-75			C	2.8	12	5.3	1.4	61	102
52C-NS	G	9MB63	1	3.4	125	54.8	3.4	15	6.6	500	70-80			B	2.8	12	5.3	1.4	76	127
54NS-1	G	9MB63	1	3.4	150	65.7	3.4	10	4.4	400	65-70			C	2.8	12	5.3	1.4	49	127
55	G	9MB63	1	3.4	150	65.7	3.4	10	4.4	400	70-80			B	2.8	12	5.3	1.4	114	127
56C-NS	G	9MB63	2	3.4	100	43.8	3.4	5	2.2	500	65-75			B	2.8	12	5.3	1.4	121	127
56F-NS	G	9MB63	2	3.4	150	65.7	3.4	10	4.4	400	65-75			B	2.8	12	5.3	1.4	114	127
57NS	GE	9MB63	2	3.4	100	43.8	3.4	17	7.4	450	75-85	114	2.8	C	2.8	12	5.3	1.4	45	64
58NS	GE	9MB63	2	3.4	100	43.8	3.4	17	7.4	450	75-85	114	2.8	C	2.8	12	5.3	1.4	45	64
63NS	G	9MB63	1	3.4	100	43.8	3.4	15	6.6	400	70-80			B	2.8	12	5.3	1.4	72	102
	G	9MB63	1	3.4	100	43.8	3.4	15	6.6	400	70-80			A	2.8	12	5.3	1.4	167	102
64	GE	9MB63	2	3.4	100	43.8	3.4	17	7.4	400	75-85	Parallel	3.4	B	2.8	12	5.3	1.4	76	102
	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	400	74-80	Parallel	3.4	A	2.8	12	5.3	1.4	167	102
70C-NS	G	9MB63	1	3.4	75	32.9	3.4	15	6.6	500	74-80			B	2.8	12	5.3	1.4	106	102
81NS	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	74-80			B	2.8	12	5.3	1.4	114	102
81VF-NS	GE	9MB63	2	3.4	150	65.7	3.4	6	2.6	500	70-80	102	2.8	C	2.8	18	7.9	1.4	42	57
101NS	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	74-80			B	2.8	12	5.3	1.4	53	76
	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	74-80			B	2.8	14	6.1	1.4	91	76
101B-NS	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	74-80			B	2.8	12	5.3	1.4	53	102
102	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	74-80			B	2.8	12	5.3	1.4	53	89
105NS	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	74-80			C	2.8	12	5.3	1.4	42	76
105NS-1	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	74-80			B	2.8	14.5	6.4	1.4	76	76
106	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	74-80			B	2.8	12	5.3	1.4	68	64
106F	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	74-80	152	3.4	B	2.8	12	5.3	1.4	76	64
111	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	74-80			C	2.8	12	5.3	1.4	45	89
130	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	74-80			C	2.8	12	5.3	1.4	38	114
130SF	G	9MB63	2	3.4	100	43.8	3.4	15	6.6	500	74-80	89	3.4	C	2.8	18	7.9	1.4	23	64
131VF	G	9MB63	2	3.4	100	43.8	3.4	15	6.6	500	74-80	Parallel	3.4	C	2.8	18	7.9	1.4	23	76
	GE	9MB63	2	3.4	75	32.9	3.4	17	7.4	500	74-80	Parallel	3.4	C	2.8	18	7.9	1.4	23	76
136F	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	74-80	165	3.4	C	2.8	12	5.3	1.4	68	76
136CP	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	74-80	165	3.4	C	2.8	12	5.3	1.4	64	76

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3MBM / 3MBH PARAMETERS

9MC Control Unit

Nitrogen/Hydrogen
Metric Units

Coating Material	Hardware			Nitrogen			Hydrogen			Electric		Air Jets		9MP Powder Feeder						
	Nozzle	Electrode	Powder Injector	Nitrogen Pressure (Bar)	Nitrogen (FMR)	Nitrogen Flow (nlpm)	H2 Pressure (Bar)	H2 (FMR)	H2 Flow (nlpm)	DC Amps	DC Volts	Distance Setting (mm)	Air Pressure (Bar)	Pickup Shaft	Carrier Pressure (Bar)	Carrier Flow (FMR)	Carrier Flow (nlpm)	Air Vibrator (Bar)	Spray Rate (g/min)	Spray Distance (mm)
201NS	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	74-80			B	2.8	12	5.3	1.4	91	76
201B-NS	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	75-80			C	2.8	12	5.3	1.4	91	76
	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	75-80			B	2.8	14	6.1	1.4	121	76
201B-NS-1	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	74-80			C	2.8	12	5.3	1.4	45	57
	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	74-80			B	2.8	12	5.3	1.4	91	57
202NS	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	74-80			C	2.8	12	5.3	1.4	45	64
	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	74-80			B	2.8	12	5.3	1.4	91	64
204NS	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	74-80			C	2.8	12	5.3	1.4	45	64
	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	74-80			B	2.8	12	5.3	1.4	91	64
204B-NS	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	74-80			C	2.8	12	5.3	1.4	45	64
	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	74-80			B	2.8	12	5.3	1.4	91	64
205NS	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	75-80			C	2.8	12	5.3	1.4	45	114
210NS-1	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	74-80			B	2.8	12	5.3	1.4	83	102
212F-NS	G	9MB63	2	3.4	75	32.9	3.4	15	6.6	500	74-80			C	2.8	12	5.3	1.4	45	178
303NS-1	GE	9MB63	2	3.4	75	32.9	3.4	17	7.4	500	74-80			B	2.8	12	5.3	1.4	61	127
350NS	GE	9MB63	1	3.4	100	43.8	3.4	17	7.4	400	75-85	Parallel	4.8	B	2.8	12	5.3	1.4	91	102
404NS	G	9MB63	1	3.4	75	32.9	3.4	15	6.6	500	74-80			B	2.8	12	5.3	1.4	114	127
410NS	G	9MB63	1	3.4	75	32.9	3.4	15	6.6	500	74-80			B	2.8	12	5.3	1.4	61	102
430NS	GE	9MB63	2	3.4	150	65.7	3.4	13	5.7	400	75-80			B	2.8	18	7.9	1.4	76	102
439NS	GE	9MB63	2	3.4	75	32.9	3.4	17	7.4	500	74-80			B	2.8	12	5.3	1.4	114	165
439NS-2	GE	9MB63	1	3.4	75	32.9	3.4	17	7.4	500	74-80			B	2.8	12	5.3	1.4	114	165
443NS	G	9MB63	2	3.4	150	65.7	3.4	15	6.6	500	74-80			B	2.8	12	5.3	1.4	61	140
445	G	9MB63	1	3.4	150	65.7	3.4	15	6.6	500	74-80			A	2.8	12	5.3	1.4	152	127
447NS	G	9MB63	2	3.4	150	65.7	3.4	10	4.4	500	70-80			B	2.8	12	5.3	1.4	68	127
450NS	G	9MB63	2	3.4	150	65.7	3.4	10	4.4	500	70-80			B	2.8	12	5.3	1.4	68	152
450P	G	9MB63	2	3.4	150	65.7	3.4	10	4.4	400	65-75			B	2.8	12	5.3	1.4	68	102
451	G	9MB63	1	3.4	100	43.8	3.4	15	6.6	500	70-80			B	2.8	12	5.3	1.4	121	114
452	G	9MB63	2	3.4	150	65.7	3.4	10	4.4	500	74-80			B	2.8	12	5.3	1.4	68	152
453	G	9MB63	2	3.4	150	65.7	3.4	10	4.4	500	70-80			B	2.8	12	5.3	1.4	61	127
	GE	9MB63	6	3.4	75	32.9	3.4	11	4.8	500	75-85			B	2.8	12	5.3	1.4	114	140
461NS	G	9MB63	2	3.4	150	65.7	3.4	15	6.6	500	75-80			B	2.8	12	5.3	1.4	61	140
605NS	GE	9MB63	2	3.4	150	65.7	3.4	6	2.6	350	65-75			B	2.8	12	5.3	1.4	76	0
700F	GE	9MB63	2	3.4	100	43.8	3.4	17	7.4	400	85	102	4.8	B	2.8	12	5.3	1.4	53	0

Notes :

1. Install a Nitrogen gas ring.
2. Voltage shown is taken at the JAM box or Distribution Unit using 5 meter (15 ft) cables. Voltage will vary with cable length and condition.
3. The allowable range for all voltage is +/- 5 volts from the published value. Voltage will decrease as the nozzle and electrode become worn from use.
4. FMR = FlowMeter Reading
5. Keep secondary hydrogen gas flow constant. Do not adjust flow to obtain voltage.

PAR 40924 EN 03 Released on: 10/16/2014