

SULZER METCO

DIAMOND JET PARAMETERS

DJ1050 HARDWARE

PROPANE (C3H8) FUEL GAS

AIR COOLED

J.S. UNITS

Coating Material	HARDWARE	PRESSURE			FLOWMETER READING			FLOW ₁			POWDER FEEDER (DJP) ₂							
		AIR CAP	OXYGEN PRESS. (psig)	FUEL PRESS. (psig)	AIR PRESS. (psig)	OXYGEN F.M.R.	FUEL F.M.R.	AIR F.M.R.	OXYGEN FLOW (SCFH)	FUEL FLOW (SCFH)	AIR FLOW (SCFH)	N2 F.M.R.	N2 FLOW (SCFH)	AIR VIB (psig)	SPRAY RATE (lbs./hr.)	SPRAY DIST. (in.)	DEPOSIT EFF. (%)	COVERAGE (ft ² /hr./001)
1003	MVG4	150	70	75	52	42	66	751	155	1042	70	35.2	20	10	12	85	213	0.047
1004	MVG4	150	70	75	48	46	50	693	170	790	70	35.2	30	20	10	78	406	0.049
1005	MVG4	150	70	75	50	44	60	722	163	948	70	35.2	20	20	12	74	356	0.056
1006	MVG4	150	70	75	50	48	66	722	178	1042	70	35.2	20	20	11	75	369	0.054
1007	MVG4	150	70	75	52	50	48	751	185	758	70	35.2	35	20	10	74	331	0.061
1008	MVG4	150	70	75	46	48	56	664	178	884	70	35.2	20	20	10	75	418	0.048
2001	MVG4	150	70	75	50	50	58	722	185	916	70	35.2	20	20	10	70	336	0.059
2002	MVG4	150	70	75	52	48	60	751	178	948	70	35.2	20	20	10	68	278	0.072
2003	MVG4	150	70	75	50	50	60	722	185	948	70	35.2	20	15	7	75	157	0.096
2004	MVG4	150	70	75	50	50	60	722	185	948	70	35.2	20	15	7	80	160	0.094
2005	MVG4	150	70	75	50	50	50	722	185	790	70	35.2	20	20	8	58	186	0.108
2006	MVG4	150	70	75	50	50	50	722	185	790	70	35.2	40	20	8	62	194	0.103
3001	MVG4	150	70	75	50	50	50	722	185	790	70	35.2	20	20	10	87	446	0.045
3004	MVG4	150	70	75	52	52	46	751	192	726	70	35.2	20	15	8	45	203	0.074
3005	MVG4	150	70	75	50	48	50	722	178	790	70	35.2	20	12	8	28	104	0.115
3006	MVG4	150	70	75	48	44	60	693	163	948	70	35.2	20	15	8	52	230	0.065
3007	MVG4	150	70	75	46	50	56	664	185	884	70	35.2	20	15	9	35	158	0.095
4006	MVG4	150	70	75	50	50	50	722	185	790	70	35.2	20	20	10	68	330	0.061
4008	MVG4	150	70	75	52	50	48	751	185	758	70	35.2	20	20	10	80	394	0.051

B.R.

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Notes :

1. S.C.F.H. = Standard Cubic Feet per Hour (0 psig, 70°F)

2. Set Nitrogen carrier gas pressure to 175 psig at the supply, and 140 psig at the gauge on the DJP. For 9MP-DJ use SCFH as Flow Meter Reading.

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METRIC UNITS

Coating Material	HARDWARE	PRESSURE			FLOWMETER READING			FLOW ₁			POWDER FEEDER (DJP) ₂			SPRAY RATE (g./min.)	SPRAY DIST. (mm)	DEPOSIT EFF. (%)
		OXYGEN PRESS. (bar)	FUEL PRESS. (bar)	AIR PRESS. (bar)	OXYGEN F.M.R.	FUEL F.M.R.	AIR F.M.R.	OXYGEN FLOW (NLPM)	FUEL FLOW (NLPM)	AIR FLOW (NLPM)	N2 F.M.R.	N2 FLOW (NLPM)	AIR VIB (bar)			
1003	MVG4	10.3	4.8	5.2	52	42	66	329	68	456	70	15.4	1.4	76	300	85
1004	MVG4	10.3	4.8	5.2	48	46	50	304	74	346	70	15.4	2.1	152	250	78
1005	MVG4	10.3	4.8	5.2	50	44	60	316	71	415	70	15.4	1.4	152	300	74
1006	MVG4	10.3	4.8	5.2	50	48	66	316	78	456	70	15.4	1.4	152	275	75
1007	MVG4	10.3	4.8	5.2	52	50	48	329	81	332	70	15.4	2.4	152	250	74
1008	MVG4	10.3	4.8	5.2	46	48	56	291	78	387	70	15.4	1.4	152	250	75
2001	MVG4	10.3	4.8	5.2	50	50	58	316	81	401	70	15.4	1.4	152	250	70
2002	MVG4	10.3	4.8	5.2	52	48	60	329	78	415	70	15.4	1.4	152	250	68
2003	MVG4	10.3	4.8	5.2	50	50	60	316	81	415	70	15.4	1.4	114	175	75
2004	MVG4	10.3	4.8	5.2	50	50	60	316	81	415	70	15.4	1.4	114	175	80
2005	MVG4	10.3	4.8	5.2	50	50	50	316	81	346	70	15.4	1.4	152	200	58
2006	MVG4	10.3	4.8	5.2	50	50	50	316	81	346	70	15.4	2.8	152	200	62
3001	MVG4	10.3	4.8	5.2	50	50	50	316	81	346	70	15.4	1.4	152	250	87
3004	MVG4	10.3	4.8	5.2	52	52	46	329	84	318	70	15.4	1.4	114	200	45
3005	MVG4	10.3	4.8	5.2	50	48	50	316	78	346	70	15.4	1.4	91	200	28
3006	MVG4	10.3	4.8	5.2	48	44	60	304	71	415	70	15.4	1.4	114	200	52
3007	MVG4	10.3	4.8	5.2	46	50	56	291	81	387	70	15.4	1.4	114	225	35
4006	MVG4	10.3	4.8	5.2	50	50	50	316	81	346	70	15.4	1.4	152	250	68
4008	MVG4	10.3	4.8	5.2	52	50	48	329	81	332	70	15.4	1.4	152	250	80

B.R.

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Notes :

1. N.L.P.M. = Normal Liters Per Minute (0°C)
2. Set Nitrogen carrier gas pressure to 12 Bar at the supply, and 9.7 Bar at the gauge on the DJP. For 9MP-DJ consult instruction manual.