Injector Performance Table

Water Suction Capacity

Model 684

Operating Pressure PSIG		WATER SUCTION	
Injector INLET	Injector OUTLET	Motive Flow GPM	*Water Suction* GPH
5	0	3.5	27.4
	1		20.2
	2		13.8
	3		6.6
	4	*(4.3)	5.6
10	0	5.0	27.2
	2		27.3
	5		18.4
	7		10.8
	8	*(8.5)	6.0
15	0	6.1	26.1
	5		26.1
	7		25.0
	10		12.8
	12	*(13.0)	7.0
20	0	7.0	25.1
	5		25.2
	10		25.2
	12		18.4
	15	*(16.5)	10.4
25	0	7.8	24.8
	5		24.8
	10		24.9
	15		24.3
	20	*(21.0)	5.1
30	0	8.6	24.5
	5		24.6
	10		24.6
	15		24.5
	20		14.7
	25	*(26.0)	6.7
35	0	9.3	24.7
	5		24.6
	10		24.7
	15		24.7
	20		24.9
	25	*(29.5)	12.9
40	0	9.9	24.9
	5		25.0
	10		25.1
	15		25.0
	20		25.0
	25		24.7
	30	*(35.0)	10.8
45	0	10.5	25.0
	5		25.0
	10		25.0
	15		25.0
	20		25.0
	25		25.1
	30		20.6
	35	*(37.5)	8.4
50	0	11.1	25.0
	5		24.9
	10		24.9
	15		25.0
	20		24.9
	25		24.9
	30		17.1
	35		9.1
	40	*(42.0)	6.7

Operating Pressure PSIG		WATER SUCTION	
Injector INLET	Injector OUTLET	Motive Flow GPM	*Water Suction* GPH
60	0	12.1	25.1
	5		25.0
	10		25.3
	15		25.3
	20		25.2
	30		25.2
	35		25.1
	40		13.4
	45	*(50.0)	7.0
70	0	13.1	25.4
	5		25.3
	10		25.5
	15		25.4
	20		25.5
	30		25.4
	40		25.4
	45		20.7
	50		10.5
	55	*(58.3)	6.9
80	0	14.0	25.5
	5		25.5
	10		25.5
	15		25.6
	20		25.6
	30		25.6
	40		25.6
	50		25.6
	60		15.6
	65	*(67.0)	5.0
90	0	14.9	25.7
	5		25.8
	10		25.7
	20		25.8
	30		25.8
	40		25.8
	50		25.8
	60		25.8
	70		25.7
	75	*(76.0)	13.3
100	0	15.7	23.5
	5		24.2
	10		24.2
	20		23.9
	30		23.9
	40		23.9
	50		23.9
	60		23.9
	70		24.0
	80	*(85.0)	21.5
120	0	17.2	24.5
	5		24.9
	10		24.6
	20		24.6
	30		24.7
	40		24.5
	50		24.4
	60		24.7
	70		24.5
	80		21.7
	90		19.4
	100	*(102)	18.1

**NUMBERS IN PARENTHESIS indicate the injector outlet pressure when suction stops (Zero Suction Point).*

Mazzei Injector Company, LLC
500 Rooster Drive, Bakersfield, CA 93307-9555 USA
TEL 661.363.6500 • FAX 661.363.7500 • www.mazzei.net

Injector Performance Table

Water Suction Capacity - METRIC

Model 684

Operating Pressure kg/cm²		WATER SUCTION	
Injector Inlet	Injector Outlet	Motive Flow l/min	*Water Suction* l/hr
0.35	0.00	13.3	103
	0.07		76.6
	0.14		52.3
	0.21		24.9
	0.28	*(0.30)	21.2
0.70	0.00	18.8	103
	0.14		103
	0.35		70.0
	0.49		41.2
	0.56	*(0.60)	22.9
1.05	0.00	23.0	98.7
	0.35		98.8
	0.49		94.8
	0.70		48.6
	0.84	*(0.91)	26.5
1.41	0.00	26.5	95.1
	0.35		95.4
	0.70		95.5
	0.84		69.7
	1.05	*(1.16)	39.4
1.76	0.00	29.7	93.9
	0.35		94.2
	0.70		94.2
	1.05		92.2
	1.41	*(1.48)	19.5
2.11	0.00	32.5	92.8
	0.35		93.1
	0.70		93.2
	1.05		93.0
	1.41		55.7
	1.76	*(1.83)	25.6
2.46	0.00	35.1	93.5
	0.35		93.1
	0.70		93.6
	1.05		93.7
	1.41		94.2
	1.76	*(2.07)	48.9
2.81	0.00	37.5	94.4
	0.35		94.6
	0.70		95.1
	1.05		94.6
	1.41		94.8
	1.76		93.6
	2.11	*(2.46)	41.0
3.16	0.00	39.8	94.7
	0.35		94.7
	0.70		94.7
	1.05		94.8
	1.41		94.9
	1.76		95.1
	2.11		78.1
	2.46	*(2.64)	31.8
3.52	0.00	41.9	94.7
	0.35		94.5
	0.70		94.5
	1.05		94.8
	1.41		94.2
	1.76		94.4
	2.11		64.8
	2.46		34.7
	2.81	*(2.95)	25.3

Operating Pressure kg/cm²		WATER SUCTION	
Injector Inlet	Injector Outlet	Motive Flow l/min	*Water Suction* l/hr
4.22	0.00	45.9	95.2
	0.35		94.8
	0.70		96.0
	1.05		95.7
	1.41		95.5
	2.11		95.3
	2.46		95.3
	2.81		51.0
	3.16	*(3.52)	26.8
4.92	0.00	49.6	96.2
	0.35		96.0
	0.70		96.6
	1.05		96.2
	1.41		96.8
	2.11		96.4
	2.81		96.3
	3.16		78.4
	3.52		39.9
	3.87	*(4.10)	26.2
5.62	0.00	53.1	96.5
	0.35		96.6
	0.70		96.8
	1.05		97.0
	1.41		97.0
	2.11		96.9
	2.81		96.9
	3.52		97.2
	4.22		59.3
	4.57	*(4.71)	19.1
6.33	0.00	56.3	97.5
	0.35		97.8
	0.70		97.4
	1.41		97.7
	2.11		97.8
	2.81		97.8
	3.52		97.7
	4.22		97.9
	4.92		97.3
	5.27	*(5.34)	50.6
7.03	0.00	59.3	88.9
	0.35		91.9
	0.70		91.6
	1.41		90.4
	2.11		90.6
	2.81		90.8
	3.52		90.6
	4.22		90.5
	4.92		91.1
	5.62	*(5.98)	81.7
8.44	0.00	65.0	92.9
	0.35		94.5
	0.70		93.4
	1.41		93.2
	2.11		93.5
	2.81		92.7
	3.52		92.5
	4.22		93.5
	4.92		92.9
	5.62		82.2
	6.33		73.6
	7.03	*(7.17)	68.6

**NUMBERS IN PARENTHESIS indicate the injector outlet pressure when suction stops (Zero Suction Point).*

Mazzei Injector Company, LLC
500 Rooster Drive, Bakersfield, CA 93307-9555 USA
TEL 661.363.6500 • FAX 661.363.7500 • www.mazzei.net

Injector Performance Table

Air Suction Capacity

Model 684

Operating Pressure PSIG		AIR SUCTION	
Injector INLET	Injector OUTLET	Motive Flow GPM	*Air Suction* SCFH
5	0	3.4 *(4.3)	9.0
	1		5.7
	2		3.0
	3		1.0
	4		0.28
10	0	4.7 *(8.5)	13.2
	2		9.3
	5		3.6
	7		1.5
	8		0.91
15	0	5.8 *(13.0)	15.4
	5		7.2
	7		4.4
	10		2.1
	12		1.1
20	0	6.7 *(16.5)	23.6
	5		15.0
	10		5.7
	12		3.8
	15		1.6
25	0	7.5 *(21.0)	27.5
	5		19.6
	10		8.2
	15		3.7
	20		1.7
30	0	8.2 *(26.0)	30.4
	5		23.7
	10		11.9
	15		5.9
	20		3.4
	25		1.3
35	0	8.9 *(29.5)	33.0
	5		25.9
	10		16.3
	15		8.8
	20		5.5
	25		3.0
40	0	9.5 *(35.0)	35.0
	5		27.1
	10		20.9
	15		11.7
	20		8.1
	25		4.9
	30		3.4
45	0	10.1 *(37.5)	36.9
	5		29.9
	10		23.6
	15		15.4
	20		9.8
	25		6.5
	30		4.0
	35		2.5
50	0	10.6 *(42.0)	42.0
	5		33.0
	10		28.4
	15		19.5
	20		12.0
	25		8.0
	30		5.9
	35		3.7
	40		2.0

Operating Pressure PSIG		AIR SUCTION	
Injector INLET	Injector OUTLET	Motive Flow GPM	*Air Suction* SCFH
60	0	11.6 *(50.0)	42.7
	5		34.9
	10		31.5
	15		27.5
	20		17.2
	30		9.3
	35		6.8
	40		5.2
	45		3.2
70	0	12.6 *(58.3)	42.9
	5		39.6
	10		35.1
	15		31.4
	20		27.1
	30		13.6
	40		8.1
	45		5.9
	50		4.4
	55		2.8
80	0	13.4 *(67.0)	42.9
	5		41.8
	10		36.6
	15		34.4
	20		32.1
	30		17.0
	40		10.9
	50		6.6
	60		4.3
	65		3.0
90	0	14.2 *(76.0)	43.1
	5		42.3
	10		39.4
	20		34.3
	30		24.7
	40		14.8
	50		10.1
	60		7.1
	70		4.2
	75		2.9
100	0	15.0 *(85.0)	43.6
	5		43.1
	10		42.0
	20		38.1
	30		33.0
	40		18.0
	50		13.1
	60		9.5
	70		6.6
	80		3.9
120	0	16.5 *(102)	43.8
	5		43.2
	10		42.5
	20		39.8
	30		38.4
	40		27.2
	50		18.1
	60		13.7
	70		10.8
	80		8.2
	90		5.9
	100		3.7

**NUMBERS IN PARENTHESIS indicate the injector outlet pressure when suction stops (Zero Suction Point).*

Mazzei Injector Company, LLC
500 Rooster Drive, Bakersfield, CA 93307-9555 USA
TEL 661.363.6500 • FAX 661.363.7500 • www.mazzei.net

Injector Performance Table

Air Suction Capacity - METRIC

Model 684

Operating Pressure kg/cm²		AIR SUCTION	
Injector INLET	Injector OUTLET	Motive Flow l/min	*Air Suction* l/min
0.35	0.00	12.7	4.2
	0.07		2.6
	0.14		1.4
	0.21		0.47
	0.28	*(0.30)	0.13
0.70	0.00	18.0	6.2
	0.14		4.4
	0.35		1.7
	0.49		0.71
	0.56	*(0.60)	0.43
1.05	0.00	22.0	7.3
	0.35		3.3
	0.49		2.0
	0.70		1.0
	0.84	*(0.91)	0.54
1.41	0.00	25.4	11.1
	0.35		7.0
	0.70		2.6
	0.84		1.8
	1.05	*(1.16)	0.76
1.76	0.00	28.4	13.0
	0.35		9.2
	0.70		3.9
	1.05		1.7
	1.41	*(1.48)	0.81
2.11	0.00	31.1	14.3
	0.35		11.1
	0.70		5.6
	1.05		2.8
	1.41		1.6
	1.76	*(1.83)	0.63
2.46	0.00	33.6	15.6
	0.35		12.2
	0.70		7.7
	1.05		4.1
	1.41		2.6
	1.76	*(2.07)	1.4
2.81	0.00	36.0	16.5
	0.35		12.8
	0.70		9.9
	1.05		5.5
	1.41		3.8
	1.76		2.3
	2.11	*(2.46)	1.6
3.16	0.00	38.1	17.4
	0.35		14.1
	0.70		11.1
	1.05		7.3
	1.41		4.6
	1.76		3.0
	2.11		1.9
	2.46	*(2.64)	1.2
3.52	0.00	40.2	19.8
	0.35		15.5
	0.70		13.4
	1.05		9.2
	1.41		5.6
	1.76		3.7
	2.11		2.7
	2.46		1.7
	2.81	*(2.95)	0.98

Operating Pressure kg/cm²		AIR SUCTION	
Injector INLET	Injector OUTLET	Motive Flow l/min	*Air Suction* l/min
4.22	0.00	44.0	20.2
	0.35		16.5
	0.70		14.8
	1.05		13.0
	1.41		8.1
	2.11		4.4
	2.46		3.2
	2.81		2.4
	3.16	*(3.52)	1.5
4.92	0.00	47.6	20.2
	0.35		18.6
	0.70		16.6
	1.05		14.8
	1.41		12.7
	2.11		6.4
	2.81		3.8
	3.16		2.8
	3.52		2.1
	3.87	*(4.10)	1.3
5.62	0.00	50.9	20.2
	0.35		19.7
	0.70		17.3
	1.05		16.2
	1.41		15.1
	2.11		8.0
	2.81		5.1
	3.52		3.1
	4.22		2.0
	4.57	*(4.71)	1.4
6.33	0.00	53.9	20.3
	0.35		19.9
	0.70		18.6
	1.41		16.2
	2.11		11.6
	2.81		6.9
	3.52		4.7
	4.22		3.3
	4.92		1.9
	5.27	*(5.34)	1.4
7.03	0.00	56.9	20.5
	0.35		20.3
	0.70		19.8
	1.41		18.0
	2.11		15.5
	2.81		8.5
	3.52		6.1
	4.22		4.4
	4.92		3.1
	5.62	*(5.98)	1.8
8.44	0.00	62.3	20.7
	0.35		20.4
	0.70		20.0
	1.41		18.8
	2.11		18.1
	2.81		12.8
	3.52		8.5
	4.22		6.4
	4.92		5.1
	5.62		3.9
	6.33		2.8
	7.03	*(7.17)	1.7

**NUMBERS IN PARENTHESIS indicate the injector outlet pressure when suction stops (Zero Suction Point).*

 REV August 2014

Mazzei Injector Company, LLC
500 Rooster Drive, Bakersfield, CA 93307-9555 USA
TEL 661.363.6500 • FAX 661.363.7500 • www.mazzei.net