Injector Performance Table

Water Suction Capacity (METRIC)

REV 2014

Operating Pressure kg/cm²		Model 283 15mm Threads		Model 287 15mm Threads		Model 384 15mm Threads		Model 384X 15mm Threads		Model 484 15mm & 20mm Threads		Model 484X 20mm Threads	
Injector Inlet	Injector Outlet	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min
0.35	0.00	0.64	0.20	1.1	0.33	2.7	0.65	2.7	0.73	4.5	0.92	4.5	1.4
	0.07		0.13		0.16		0.54		0.54		0.65		1.0
	0.14		0.06		0.11		0.47		0.25		0.42		0.75
	0.21				<0.10		0.32						0.46
	0.28	*(0.25)		*(0.25)		*(0.27)		*(0.20)		*(0.31)		*(0.25)	
0.70	0.00	0.91	0.30	1.2	0.39	3.8	0.96	3.8	1.1	6.4	1.1	6.4	1.8
	0.14		0.18		0.30		0.72		0.85		0.88		1.4
	0.35		0.07		0.12		0.48		0.12		0.38		0.74
	0.49				<0.10		0.13				0.17		0.23
	0.56	*(0.49)		*(0.54)		*(0.58)		*(0.46)		*(0.59)		*(0.53)	
1.05	0.00	1.1	0.34	1.6	0.43	4.6	0.84	4.6	1.7	7.8	1.1	7.8	2.4
	0.35		0.17		0.26		0.71		0.73		0.72		1.3
	0.49		0.11		0.18		0.53		0.26		0.52		0.98
	0.70				<0.10		0.30						
	0.84	*(0.74)		*(0.81)		*(0.91)		*(0.68)		*(0.88)		*(0.61)	
1.41	0.00	1.2	0.37	1.9	0.44	5.4	0.82	5.4	1.8	9.0	1.1	9.0	2.4
	0.35		0.23		0.38		0.83		1.0		0.98		1.7
	0.70		0.13		0.21		0.58		0.19		0.59		0.84
	0.84		0.03		0.12		0.40				0.49		0.53
	1.05	*(1.05)		*(1.12)	<0.10	*(1.16)		*(0.87)		*(1.20)		*(0.93)	
1.76	0.00	1.3	0.37	2.2	0.49	6.0	0.89	6.0	2.0	10.1	1.1	10.1	2.4
	0.35		0.20		0.44		0.89		1.4		1.0		2.0
	0.70		0.16		0.28		0.80		0.70		0.86		1.3
	1.05		0.04		0.15		0.42				0.46		0.62
	1.41	*(1.30)		*(1.37)		*(1.44)		*(1.06)		*(1.52)		*(1.16)	
2.11	0.00	1.5	0.38	2.5	0.50	6.6	0.89	6.6	2.1	11.1	1.0	11.1	2.5
	0.35		0.37		0.50		0.91		1.5		1.0		2.4
	0.70		0.24		0.35		0.87		1.0		1.0		1.8
	1.05		0.15		0.23		0.67		0.44		0.71		1.0
	1.41		0.05		0.11		0.28				0.44		
	1.76	*(1.58)		*(1.72)		*(1.77)		*(1.27)		*(1.79)		*(1.20)	
2.46	0.00	1.5	0.38	2.6	0.51	7.1	0.91	7.1	2.1	11.9	1.0	11.9	2.5
	0.35		0.38		0.50		0.91		1.8		1.0		2.4
	0.70		0.30		0.43		0.91		1.2		1.0		2.1
	1.05		0.21		0.32		0.86		0.67		1.0		1.5
	1.41		0.11		0.19		0.59				0.70		0.93
	1.76	*(1.83)	0.03	*(1.90)	<0.10	*(2.01)	0.18	*(1.46)		*(2.07)	0.25	*(1.65)	
2.81	0.00	1.6	0.38	2.8	0.51	7.6	0.89	7.6	2.1	12.8	1.0	12.8	2.5
	0.35		0.38		0.51		0.89		1.9		1.1		2.4
	0.70		0.35		0.47		0.88		1.5		1.1		2.4
	1.05		0.26		0.40		0.88		0.89		1.1		1.8
	1.41		0.16		0.27		0.79		0.22		0.96		1.3
	1.76		0.07		0.17		0.47				0.71		0.41
	2.11	*(2.07)		*(2.18)	<0.10	*(2.25)		*(1.60)		*(2.34)	0.25	*(1.84)	
3.16	0.00	1.7	0.38	3.1	0.51	8.0	0.86	8.0	2.1	13.5	1.0	13.5	2.6
	0.35		0.38		0.51		0.87		1.9		1.0		2.4
	0.70		0.37		0.51		0.87		1.9		1.1		2.3
	1.05		0.31		0.44		0.86		1.1		1.1		2.2
	1.41		0.21		0.35		0.87		0.69		1.0		1.6
	1.76		0.17		0.25		0.76		<0.10		0.87		1.1
	2.11		0.06		0.15		0.38				0.64		
	2.46	*(2.35)		*(2.46)		*(2.54)		*(1.84)		*(2.59)	0.23	*(1.78)	
3.52	0.00	1.8	0.38	3.2	0.52	8.5	0.89	8.5	2.1	14.3	1.0	14.3	2.6
	0.35		0.38		0.52		0.89		2.0		1.0		2.5
	0.70		0.38		0.52		0.89		2.0		1.1		2.4
	1.05		0.36		0.50		0.89		1.5		1.1		2.3
	1.41		0.30		0.37		0.85		0.96		1.1		1.8
	1.76		0.22		0.28		0.85		0.42		1.0		0.51
	2.11		0.13		0.19		0.63				0.80		
	2.46		0.04		<0.10		0.38				0.49		
	2.81	*(2.60)		*(2.74)		*(2.78)		*(2.02)		*(2.88)		*(2.04)	

**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
www.mazzei.net

Injector Performance Table

Water Suction Capacity (METRIC)

REV 2014

Operating Pressure kg/cm²		Model 283 15mm Threads		Model 287 15mm Threads		Model 384 15mm Threads		Model 384X 15mm Threads		Model 484 15mm & 20mm Threads		Model 484X 20mm Threads	
Injector Inlet	Injector Outlet	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min
4.22	0.00	2.0	0.38	3.5	0.52	9.3	0.86	9.3	2.1	15.6	1.1	15.6	2.6
	0.35		0.38		0.52		0.86		2.1		1.1		2.6
	0.70		0.38		0.49		0.85		2.1		1.1		2.4
	1.05		0.38		0.49		0.85		2.0		1.1		2.4
	1.41		0.36		0.49		0.84		1.5		1.1		2.3
	2.11		0.24		0.36		0.78		.57		1.0		1.4
	2.46		0.15		0.26		0.73		<0.10		0.96		
	2.81		0.08		0.17		0.52				0.75		
	3.16	*(3.20)		*(3.30)	<0.10	*(3.33)	0.15	*(2.49)		*(3.57)		*(2.43)	
4.92	0.00	2.2	0.38	3.8	0.52	10.0	0.76	10.0	2.2	16.9	1.1	16.9	2.6
	0.35		0.38		0.52		0.76		2.2		1.1		2.6
	0.70		0.38		0.52		0.77		2.1		1.0		2.4
	1.05		0.38		0.52		0.76		2.0		1.0		2.3
	1.41		0.38		0.52		0.77		1.9		1.0		2.2
	2.11		0.33		0.47		0.77		1.1		1.0		1.9
	2.81		0.18		0.30		0.75		0.21		1.0		1.0
	3.16		0.12		0.22		0.69				0.84		
	3.52		0.05		0.11		0.47				0.71		
	3.87	*(3.80)		*(3.87)		*(3.68)		*(2.92)		*(4.11)		*(2.86)	
5.62	0.00	2.3	0.38	4.0	0.52	10.7	0.73	10.7	2.1	18.0	1.0	18.0	2.6
	0.35		0.38		0.52		0.73		2.1		1.0		2.6
	0.70		0.38		0.52		0.73		2.1		1.0		2.6
	1.05		0.38		0.52		0.73		2.0		1.0		2.5
	1.41		0.38		0.52		0.73		1.9		1.0		2.5
	2.11		0.38		0.51		0.73		1.6		1.0		2.5
	2.81		0.28		0.40		0.73		0.74		0.99		1.7
	3.52		0.15		0.26		0.71				0.94		0.43
	4.22				<0.10		0.43				0.39		
	4.57	*(4.26)		*(4.43)		*(4.35)		*(3.32)		*(4.64)		*(3.65)	
6.33	0.00	2.5	0.38	4.3	0.52	11.4	0.70	11.4	2.2	19.1	0.86	19.1	2.6
	0.35		0.38		0.52		0.70		2.1		0.86		2.6
	0.70		0.38		0.52		0.70		2.1		0.86		2.5
	1.41		0.38		0.52		0.70		2.0		0.86		2.5
	2.11		0.38		0.52		0.70		1.8		0.86		2.4
	2.81		0.36		0.50		0.70		1.1		0.86		2.1
	3.52		0.22		0.36		0.70		0.30		0.86		1.6
	4.22		0.10		0.22		0.69				0.84		
	4.92				<0.10		0.29				0.26		
	5.27	*(4.78)		*(4.99)		*(4.99)		*(3.73)		*(5.20)		*(3.81)	
7.03	0.00	2.6	0.38	4.5	0.49	12.0	0.68	12.0	2.1	20.2	0.83	20.2	2.6
	0.35		0.38		0.49		0.69		2.0		0.83		2.6
	0.70		0.38		0.49		0.68		2.0		0.83		2.5
	1.41		0.38		0.49		0.69		2.0		0.83		2.5
	2.11		0.38		0.49		0.69		1.9		0.83		2.5
	2.81		0.38		0.47		0.68		1.8		0.83		2.2
	3.52		0.32		0.45		0.69		0.77		0.83		1.7
	4.22		0.19		0.33		0.69				0.83		
	4.92		0.07		0.19		0.66				0.81		
	5.62	*(5.34)		*(5.55)		*(5.52)		*(4.15)		*(5.83)		*(4.19)	
8.44	0.00	2.9	0.38	5.0	0.40	13.1	0.68	13.1	2.1	22.1	0.77	22.1	2.8
	0.35		0.38		0.40		0.68		2.1		0.77		2.7
	0.70		0.38		0.40		0.68		2.0		0.77		2.7
	1.41		0.38		0.40		0.68		2.0		0.77		2.6
	2.11		0.38		0.40		0.68		1.9		0.77		2.5
	2.81		0.38		0.40		0.68		1.9		0.77		2.3
	3.52		0.35		0.38		0.68		1.5		0.77		2.0
	4.22		0.33		0.37		0.68		0.88		0.77		1.5
	4.92		0.25		0.30		0.68		0.13		0.76		1.2
	5.62		0.15		0.23		0.68				0.76		
	6.33		0.06		<0.10		0.54				0.73		
	7.03	*(6.54)		*(6.68)		*(6.81)		*(5.01)		*(7.01)		*(5.00)	

**Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).*

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Injector Performance Table

Water Suction Capacity (METRIC)

REV 2014

Operating Pressure kg/cm²		Model 584 15mm & 20mm Threads		Model 684 20mm Threads		Model 878-03 25mm Threads		Model 885X-03 25mm Threads		Model 1078-03 25mm Threads		Model 1583 40mm Threads	
Injector Inlet	Injector Outlet	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min
0.35	0.00	7.9	1.8	13.3	1.7	13.8	3.9	13.5	4.9	20.7	6.4	40.6	8.5
	0.07		1.8		1.2		2.2		3.9		2.9		5.3
	0.14		1.7		0.87		1.5		2.6		1.3		3.3
	0.21		1.6		0.41		0.46		0.97		0.17		
	0.28	*(0.31)	0.63	*(0.30)	0.35	*(0.28)		*(0.28)		*(0.28)		*(0.31)	
0.70	0.00	11.2	1.7	18.8	1.7	19.5	5.9	19.1	7.3	29.3	6.6	57.4	13.8
	0.14		1.7		1.7		3.9		5.7		4.7		9.0
	0.35		1.7		1.1		2.3		2.8		2.6		4.9
	0.49		0.83		0.68		0.99		1.2		1.2		2.6
	0.56	*(0.63)	0.69	*(0.60)	0.38	*(0.61)	0.23	*(0.53)		*(0.57)	0.27	*(0.61)	
1.05	0.00	13.7	1.7	23.0	1.6	23.9	5.5	23.4	8.5	35.9	6.3	70.3	14.2
	0.35		1.7		1.6		3.9		5.2		5.0		10.3
	0.49		1.7		1.5		2.8		3.6		4.0		7.8
	0.70		0.88		0.81		1.4		1.2		2.1		5.4
	0.84	*(0.95)	0.69	*(0.91)	0.44	*(0.88)	0.45	*(0.77)		*(0.92)	1.0	*(0.91)	0.92
1.41	0.00	15.8	1.5	26.5	1.5	27.6	5.2	27.0	8.9	41.4	6.1	81.2	14.3
	0.35		1.5		1.5		5.0		7.4		6.0		12.9
	0.70		1.4		1.5		3.0		3.6		4.4		9.0
	0.84		1.2		1.1		2.1		2.2		3.2		8.3
	1.05	*(1.27)	0.92	*(1.16)	0.65	*(1.16)	1.3	*(0.98)		*(1.22)	1.9	*(1.26)	4.1
1.76	0.00	17.7	1.5	29.7	1.5	30.9	5.1	30.1	9.0	46.3	6.0	90.8	14.3
	0.35		1.5		1.5		5.1		8.5		6.0		14.2
	0.70		1.5		1.5		4.6		6.0		5.6		12.2
	1.05		1.3		1.5		2.8		2.4		4.3		9.3
	1.41	*(1.55)	0.76	*(1.48)	0.32	*(1.48)	1.2	*(1.20)		*(1.54)	2.0	*(1.55)	3.0
2.11	0.00	19.4	1.5	32.5	1.5	33.9	5.0	33.0	9.0	50.8	5.9	99.4	14.2
	0.35		1.6		1.5		4.9		8.8		5.9		14.2
	0.70		1.5		1.5		4.8		7.9		5.9		13.3
	1.05		1.5		1.5		4.1		4.3		5.1		10.5
	1.41		1.1		0.92		2.2		0.90		3.4		7.9
	1.76	*(1.90)	0.72	*(1.83)	0.42	*(1.84)	0.57	*(1.44)		*(1.83)	1.1	*(1.83)	1.1
2.46	0.00	20.9	1.6	35.1	1.5	36.6	5.0	35.7	8.9	54.8	5.9	107	14.3
	0.35		1.6		1.5		5.0		8.9		5.9		14.2
	0.70		1.6		1.5		4.8		8.5		5.9		14.1
	1.05		1.5		1.5		4.7		6.7		5.7		12.9
	1.41		1.3		1.5		3.3		3.4		4.6		10.4
	1.76	*(2.22)	1.0	*(2.07)	0.81	*(2.12)	1.9	*(1.69)		*(2.11)	2.9	*(2.07)	5.6
2.81	0.00	22.4	1.6	37.5	1.5	39.1	4.8	38.1	8.8	58.6	5.8	115	14.3
	0.35		1.6		1.5		4.8		8.9		5.8		14.4
	0.70		1.6		1.5		4.8		8.7		5.8		14.3
	1.05		1.6		1.5		4.8		8.0		5.8		13.9
	1.41		1.5		1.5		4.6		5.7		5.7		12.1
	1.76		1.3		1.5		3.1		2.3		4.5		9.6
	2.11	*(2.50)	0.94	*(2.46)	0.68	*(2.42)	1.7	*(1.90)		*(2.42)	2.6	*(2.35)	5.1
3.16	0.00	23.7	1.6	39.8	1.5	41.5	5.0	40.5	8.8	62.2	5.8	122	14.3
	0.35		1.6		1.5		5.0		8.8		5.8		14.4
	0.70		1.6		1.5		5.0		8.7		5.8		14.3
	1.05		1.6		1.5		5.0		8.5		5.8		14.1
	1.41		1.6		1.5		4.9		7.0		5.9		13.4
	1.76		1.4		1.5		4.2		4.6		5.4		11.0
	2.11		1.2		1.3		2.7		1.4		4.1		7.1
	2.46	*(2.81)	0.85	*(2.64)	0.53	*(2.70)	1.3	*(2.18)		*(2.72)	2.3	*(2.64)	2.9
3.52	0.00	25.0	1.6	41.9	1.5	43.7	4.7	42.6	8.8	65.5	5.8	128	14.3
	0.35		1.6		1.5		4.7		8.8		5.8		14.3
	0.70		1.6		1.5		4.7		8.8		5.8		14.2
	1.05		1.6		1.5		4.7		8.7		5.8		14.2
	1.41		1.6		1.5		4.7		8.0		5.8		14.1
	1.76		1.5		1.5		4.3		6.7		5.8		12.8
	2.11		1.3		1.0		3.5		3.7		5.4		10.8
	2.46		0.99		0.57		2.3		0.81		4.0		7.6
	2.81	*(3.16)	0.17	*(2.95)	0.42	*(2.97)	0.60	*(2.53)		*(3.09)	2.2	*(2.95)	2.5

**Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).*

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Injector Performance Table

Water Suction Capacity (METRIC)

REV 2014

Operating Pressure kg/cm²		Model 584 15mm & 20mm Threads		Model 684 20mm Threads		Model 878-03 25mm Threads		Model 885X-03 25mm Threads		Model 1078-03 25mm Threads		Model 1583 40mm Threads	
Injector Inlet	Injector Outlet	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min
4.22	0.00	27.4	1.6	45.9	1.5	47.9	4.5	46.7	8.8	71.8	5.8	141	14.4
	0.35		1.6		1.5		4.5		8.8		5.8		14.4
	0.70		1.6		1.6		4.5		8.8		5.8		14.4
	1.05		1.6		1.5		4.5		8.8		5.8		14.3
	1.41		1.6		1.5		4.5		8.7		5.8		14.3
	2.11		1.6		1.5		4.4		6.9		5.8		13.0
	2.46		1.5		1.5		3.9		4.6		5.7		11.5
	2.81		1.2		0.85		2.6		2.0		4.8		9.3
	3.16	*(3.76)	0.90	*(3.52)	0.44	*(3.60)	1.0	*(3.02)		*(3.59)	2.8	*(3.47)	5.1
4.92	0.00	29.6	1.6	49.6	1.6	51.7	4.6	50.5	8.8	77.5	5.8	152	14.4
	0.35		1.6		1.6		4.6		8.8		5.8		14.4
	0.70		1.6		1.6		4.6		8.8		5.8		14.4
	1.05		1.6		1.6		4.6		8.8		5.8		14.4
	1.41		1.6		1.6		4.6		8.8		5.8		14.4
	2.11		1.6		1.6		4.6		8.5		5.8		14.2
	2.81		1.6		1.6		4.2		5.5		5.8		12.5
	3.16		1.4		1.3		2.9		2.8		5.1		10.0
	3.52		1.0		0.66		1.9				3.4		7.8
	3.87	*(4.43)	0.57	*(4.10)	0.43	*(4.10)	0.81	*(3.59)		*(4.14)	1.8	*(3.99)	2.7
5.62	0.00	31.6	1.6	53.1	1.6	55.3	4.6	53.9	8.8	82.9	5.9	162	14.6
	0.35		1.6		1.6		4.6		8.8		5.9		14.6
	0.70		1.6		1.6		4.6		8.8		5.9		14.6
	1.05		1.6		1.6		4.6		8.8		5.9		14.6
	1.41		1.6		1.6		4.6		8.8		5.9		14.6
	2.11		1.6		1.6		4.6		8.8		5.9		14.6
	2.81		1.6		1.6		4.6		7.8		5.9		13.9
	3.52		1.5		1.6		3.5		3.7		5.7		11.1
	4.22		1.0		0.98		1.6				3.3		5.8
	4.57	*(5.10)	0.49	*(4.71)	0.31	*(4.75)	0.50	*(4.01)		*(4.82)	2.0	*(4.92)	0.75
6.33	0.00	33.6	1.7	56.3	1.6	58.7	4.6	57.2	8.9	87.9	5.9	172	14.4
	0.35		1.7		1.6		4.6		8.8		5.9		14.4
	0.70		1.7		1.6		4.6		8.9		5.9		14.4
	1.41		1.7		1.6		4.6		8.8		5.9		14.4
	2.11		1.7		1.6		4.6		8.8		5.9		14.4
	2.81		1.7		1.6		4.6		8.6		6.0		14.4
	3.52		1.7		1.6		4.4		6.5		5.9		13.7
	4.22		1.5		1.6		3.0		2.1		5.3		11.2
	4.92		0.83		1.6		1.1				2.4		3.0
	5.27	*(5.66)	0.33	*(5.34)	0.84	*(5.32)	<0.10	*(4.64)		*(5.41)	1.2	*(5.14)	
7.03	0.00	35.4	1.8	59.3	1.4	61.8	4.8	60.3	8.9	92.7	5.9	182	14.6
	0.35		1.8		1.5		4.8		8.9		5.9		14.6
	0.70		1.8		1.5		4.8		8.9		5.9		14.6
	1.41		1.8		1.5		4.8		8.9		5.9		14.6
	2.11		1.8		1.5		4.8		8.8		5.9		14.6
	2.81		1.8		1.5		4.8		8.8		5.9		14.6
	3.52		1.8		1.5		4.7		8.2		5.9		14.4
	4.22		1.7		1.5		4.2		5.5		5.9		13.0
	4.92		1.4		1.5		2.8		2.0		5.1		9.2
	5.62	*(6.33)	1.0	*(5.98)	1.3	*(5.94)	0.82	*(5.13)		*(6.05)	1.9	*(5.72)	1.6
8.44	0.00	38.7	2.0	65.0	1.5	67.7	4.7	66.1	8.8	101	5.9		
	0.35		2.0		1.5		4.7		8.8		5.9		
	0.70		2.0		1.5		4.7		8.8		5.9		
	1.41		2.0		1.5		4.7		8.8		5.9		
	2.11		2.0		1.5		4.7		8.8		5.9		
	2.81		2.0		1.5		4.7		8.8		5.9		
	3.52		2.0		1.5		4.7		8.5		5.9		
	4.22		1.9		1.5		4.7		8.2		6.0		
	4.92		1.9		1.5		4.4		5.3		5.9		
	5.62		1.8		1.3		3.8		1.7		5.7		
	6.33		1.0		1.2		2.1				3.8		
	7.03	*(7.52)		*(7.17)	1.1	*(7.14)	0.54	*(5.98)		*(7.17)	1.4		

**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
www.mazzei.net

Injector Performance Table

Water Suction Capacity (METRIC)

REV 2014

Operating Pressure kg/cm²		Model 1585X 40mm Threads		Model 1587 40mm Threads		Model 2081 50mm Threads		Model 2083X 50mm Threads		Model 3090 80mm Threads		Model 4091 100mm Threads	
Injector Inlet	Injector Outlet	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min
0.35	0.00	40.6	7.7	67.0	15.4	123	39.7	31.8	28.7	289	66.2	643	132
	0.07		4.7		6.4		39.7		9.9		56.7		94.6
	0.14		1.6		5.7		39.7				47.8		75.7
	0.21				3.4		13.5				28.7		53.0
	0.28	*(0.25)		*(0.29)		*(0.32)	8.5	*(0.10)		*(0.28)		*(0.32)	22.7
0.70	0.00	57.4	15.2	94.7	17.0	174	39.7	49.6	35.3	409	91.2	810	177
	0.14		9.8		15.7		39.7		9.7		91.3		177
	0.35		2.7		6.5		29.5				55.0		117
	0.49				3.6		9.4				24.9		49.2
	0.56	*(0.46)		*(0.61)	0.90	*(0.63)	1.9	*(0.17)		*(0.60)		*(0.62)	15.1
1.05	0.00	70.3	16.5	116	17.0	213	39.7	60.9	42.3	501	90.4	950	177
	0.35		9.9		11.6		39.3				90.0		177
	0.49		5.4		9.7		36.3				65.7		143
	0.70				6.2		13.4				34.9		45.4
	0.84	*(0.66)		*(0.95)	2.4	*(0.94)	4.8	*(0.26)		*(0.95)	18.9	*(0.92)	22.7
1.41	0.00	81.2	19.4	134	16.8	245	39.7	71.5	47.7	578	89.3	1,030	177
	0.35		14.6		16.7		39.7		14.9		89.3		177
	0.70		7.5		11.0		29.5				73.8		170
	0.84		2.4		8.9		18.8				49.9		113
	1.05	*(0.89)		*(1.20)	5.5	*(1.23)	9.5	*(0.40)		*(1.20)	27.2	*(1.23)	45.4
1.76	0.00	90.8	20.4	150	16.7	274	39.7	82.5	51.1	646	84.7	1,162	177
	0.35		17.3		16.7		39.7		27.0		84.5		177
	0.70		12.9		14.4		39.5				85.6		177
	1.05		3.1		9.8		25.4				58.6		124
	1.41	*(1.08)		*(1.55)	3.4	*(1.57)	8.4	*(0.50)		*(1.51)	7.1	*(1.53)	26.5
2.11	0.00	99.4	20.3	164	16.6	301	39.7	87.4	53.5	708	82.5	1,257	177
	0.35		18.9		16.5		39.7		49.1		82.6		177
	0.70		15.8		16.9		39.7				82.5		177
	1.05		8.6		12.6		32.2				80.8		162
	1.41				10.4		21.5				36.4		87.1
	1.76	*(1.36)		*(1.80)	2.1	*(1.83)	3.9	*(0.62)		*(1.79)		*(1.83)	15.1
2.46	0.00	107	20.5	177	18.0	325	39.7	92.4	53.8	765	81.3	1,363	177
	0.35		20.0		17.9		39.7		42.2		81.3		177
	0.70		18.0		18.1		39.7		18.1		79.8		177
	1.05		12.8		15.8		39.5				80.0		177
	1.41		4.2		12.0		29.0				57.1		166
	1.76	*(1.58)		*(2.04)	9.0	*(2.14)	16.1	*(0.73)		*(2.07)	24.8	*(2.14)	90.8
2.81	0.00	115	20.4	189	18.1	347	39.7	99.9	56.6	818	79.1	1,446	177
	0.35		20.2		17.9		39.7		58.0		79.1		177
	0.70		19.4		17.8		39.7		24.5		79.1		177
	1.05		16.2		17.5		39.7				79.2		177
	1.41		9.2		15.4		33.0				70.0		177
	1.76		0.75		11.3		24.8				44.9		117
	2.11	*(1.79)		*(2.33)	7.2	*(2.36)	10.6	*(0.82)		*(2.28)	14.5	*(2.46)	56.8
3.16	0.00	122	20.5	201	16.3	368	39.7	105	59.7	867	79.4	1,522	177
	0.35		20.4		16.3		39.7		47.2		79.4		177
	0.70		20.0		16.4		39.7		30.6		79.4		177
	1.05		18.1		16.2		39.7				79.3		177
	1.41		13.2		16.2		38.2				79.0		177
	1.76		6.7		14.2		32.0				60.6		177
	2.11				9.9		21.5				36.5		151
	2.46	*(2.02)		*(2.69)	4.6	*(2.67)	9.4	*(0.94)		*(2.53)		*(2.73)	60.6
3.52	0.00	128	20.3	212	16.4	388	39.7	108	74.1	914	77.9	1,575	177
	0.35		20.1		16.3		39.7		80.6		77.9		177
	0.70		19.9		16.3		39.7		36.5		77.9		177
	1.05		18.7		16.3		39.7				77.9		177
	1.41		15.8		16.2		39.7				78.0		177
	1.76		9.8		15.9		37.0				75.3		177
	2.11		2.8		12.9		28.5				55.6		166
	2.46				8.6		18.9				31.5		102
	2.81	*(2.28)		*(2.88)	4.7	*(2.92)	7.2	*(1.01)		*(2.85)		*(3.03)	22.7

**Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).*

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www.mazzei.net

Injector Performance Table

Water Suction Capacity (METRIC)

REV 2014

Operating Pressure kg/cm²		Model 1585X 40mm Threads		Model 1587 40mm Threads		Model 2081 50mm Threads		Model 2083X 50mm Threads		Model 3090 80mm Threads		Model 4091 100mm Threads	
Injector Inlet	Injector Outlet	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min	Motive Flow l/min	Water Suction l/min
4.22	0.00	141	20.1	232	17.4	425	39.7	119	85.1	1,001	78.3	1,741	177
	0.35		20.1		17.4		39.7		85.9		78.3		177
	0.70		20.0		17.4		39.7		53.6		78.3		177
	1.05		19.3		17.4		39.7		32.8		78.3		177
	1.41		18.2		17.4		39.7				78.4		177
	2.11		11.0		17.1		37.8				78.0		177
	2.46		4.8		16.3		32.0				71.0		174
	2.81				13.4		24.0				47.9		159
	3.16	*(2.69)		*(3.51)	7.4	*(3.52)	13.6	*(1.26)		*(3.44)	21.4	*(3.59)	106
4.92	0.00	152	19.9	251	17.4	459	39.7	128	90.2	1,082	77.5	1,874	174
	0.35		19.9		17.4		39.7		95.2		77.5		174
	0.70		19.9		17.4		39.7		79.5		77.5		174
	1.05		19.6		17.4		39.7		45.3		77.5		174
	1.41		18.9		17.4		39.7		27.6		77.5		174
	2.11		16.4		17.3		39.7				77.4		174
	2.81		4.3		16.6		33.3				76.2		174
	3.16				13.1		27.7				69.3		174
	3.52				9.5		20.5				45.4		117
	3.87	*(3.14)		*(4.01)	3.6	*(4.11)	8.9	*(1.47)		*(4.11)	25.3	*(4.25)	60.6
5.62	0.00	162	20.2	268	17.4	491	39.7	132	91.7	1,156	77.5	2,014	170
	0.35		20.2		17.4		39.7		95.8		77.5		170
	0.70		20.2		17.4		39.7		88.1		77.5		170
	1.05		20.2		17.4		39.7		52.0		77.5		170
	1.41		19.6		17.4		39.7		36.2		77.5		170
	2.11		18.1		17.4		39.7				77.5		170
	2.81		13.2		17.2		38.1				77.5		170
	3.52				14.5		31.9				73.0		170
	4.22				5.8		17.0				37.4		113
	4.57	*(3.59)		*(4.64)	3.2	*(4.68)	3.8	*(1.70)		*(4.75)	18.9	*(4.89)	53.0
6.33	0.00	172	19.5	284	17.3	521	39.7	138	93.7	1,226	77.5	2,154	159
	0.35		19.5		17.3		39.7		96.3		77.5		159
	0.70		19.5		17.3		39.7		93.4		77.5		159
	1.41		19.1		17.3		39.7		68.4		77.5		159
	2.11		18.6		17.3		39.7		40.2		77.5		159
	2.81		17.0		17.3		39.7				77.5		159
	3.52		6.7		17.1		37.9				77.7		151
	4.22				13.1		28.9				68.7		147
	4.92				3.9		11.3				29.3		106
	5.27	*(4.04)		*(5.20)		*(5.31)		*(2.23)		*(5.38)		*(5.56)	53.0
7.03	0.00	182	19.2	299	17.3	549	39.7	149	91.3	1,293	77.5	2,271	159
	0.35		19.2		17.3		39.7		96.1		77.5		159
	0.70		19.2		17.3		39.7		91.4		77.5		159
	1.41		18.9		17.3		39.7		63.6		77.5		159
	2.11		17.8		17.3		39.7		55.8		77.5		159
	2.81		17.2		17.3		39.7				77.5		159
	3.52		12.2		17.2		39.2				77.8		159
	4.22		0.92		16.7		37.4				77.3		159
	4.92				11.3		26.0				59.4		147
	5.62	*(4.44)		*(5.76)	3.9	*(5.84)	7.6	*(2.33)		*(5.98)	23.7	*(6.23)	56.8
8.44	0.00				17.0		39.7		91.8				
	0.35				17.0		39.7						
	0.70				17.0		39.7						
	1.41				17.0		39.7						
	2.11				17.0		39.7						
	2.81			328	17.0	601	39.7	163					
	3.52				17.0		39.7						
	4.22				17.0		38.6						
	4.92				16.9		37.5						
	5.62				14.2		33.0						
	6.33				6.6		19.5						
	7.03			*(6.88)		*(7.09)		*(2.57)					

**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
www.mazzei.net

Injector Performance Table

Air Suction Capacity (METRIC)

REV 2014

Operating Pressure kg/cm²		Model 287 15mm Threads		Model 384 15mm Threads		Model 484 15mm & 20mm Threads		Model 484X 20mm Threads		Model 584 15mm & 20mm Threads		Model 684 20mm Threads	
Injector INLET	Injector OUTLET	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min
0.35	0.00	1.1	<0.25	2.5	0.28	4.3	2.6	4.3	3.7	7.6	4.1	12.7	4.2
	0.07				<0.10		0.94		1.2		1.5		2.6
	0.14						0.16		0.31		0.60		1.4
	0.21						<0.10		0.22		0.34		0.47
	0.28	*(0.25)		*(0.27)		*(0.31)	<0.10	*(0.25)		*(0.31)	0.14	*(0.30)	0.13
0.70	0.00	1.2	0.47	3.6	1.6	6.1	4.5	6.1	6.1	10.7	6.8	18.0	6.2
	0.14		<0.25		0.73		1.4		1.8		2.7		4.4
	0.35				0.16		0.34		0.54		0.81		1.7
	0.49						0.16		0.18		0.36		0.71
	0.56	*(0.54)		*(0.58)		*(0.59)	<0.10	*(0.53)		*(0.63)	0.23	*(0.60)	0.43
1.05	0.00	1.6	0.94	4.4	3.1	7.5	5.9	7.5	8.3	13.1	8.2	22.0	7.3
	0.35		<0.25		0.51		1.0		1.3		2.1		3.3
	0.49				0.28		0.61		0.72		1.2		2.0
	0.70						0.28				0.46		1.0
	0.84	*(0.81)		*(0.91)		*(0.88)	0.12	*(0.61)		*(0.95)	0.23	*(0.91)	0.54
1.41	0.00	1.9	1.4	5.1	4.1	8.6	6.9	8.6	10.1	15.2	9.7	25.4	11.1
	0.35		<0.25		1.0		2.2		2.5		3.8		7.0
	0.70				0.30		0.60		0.69		1.3		2.6
	0.84						0.39		0.47		0.82		1.8
	1.05	*(1.12)		*(1.16)		*(1.20)	0.21	*(0.93)		*(1.27)	0.41	*(1.16)	0.76
1.76	0.00	2.2	1.6	5.7	4.5	9.7	7.4	9.7	11.7	17.0	10.9	28.4	13.0
	0.35		<0.25		1.4		2.8		3.9		4.9		9.2
	0.70				0.54		0.97		0.98		2.2		3.9
	1.05						0.33		0.60		0.94		1.7
	1.41	*(1.37)		*(1.44)		*(1.52)	0.16	*(1.16)		*(1.55)	0.35	*(1.48)	0.81
2.11	0.00	2.4	1.6	6.2	4.7	10.6	7.8	10.6	12.9	18.6	12.3	31.1	14.3
	0.35		<0.25		1.7		4.2		4.9		6.4		11.1
	0.70				0.70		1.8		1.5		3.1		5.6
	1.05				0.36		0.79		0.88		1.5		2.8
	1.41						0.32				0.86		1.6
	1.76	*(1.72)		*(1.77)		*(1.79)	0.14	*(1.20)		*(1.90)	0.30	*(1.83)	0.63
2.46	0.00	2.6	1.8	6.7	4.9	11.4	8.2	11.4	14.4	20.1	13.4	33.6	15.6
	0.35		<0.25		1.8		5.5		6.7		8.7		12.2
	0.70				0.85		2.5		2.2		4.4		7.7
	1.05				0.48		1.2		1.1		2.4		4.1
	1.41				0.27		0.64		0.86		1.3		2.6
	1.76	*(1.90)		*(2.01)		*(2.07)	0.32	*(1.65)		*(2.22)	0.81	*(2.07)	1.4
2.81	0.00	2.8	2.1	7.2	5.0	12.2	8.5	12.2	15.5	21.4	14.5	36.0	16.5
	0.35		0.47		2.1		5.9		8.0		9.2		12.8
	0.70		<0.25		1.0		3.5		3.4		5.1		9.9
	1.05				0.61		1.7		1.5		3.2		5.5
	1.41				0.36		0.88		1.1		1.9		3.8
	1.76						0.56		0.39		1.2		2.3
	2.11	*(2.18)		*(2.25)		*(2.34)	0.21	*(1.84)		*(2.50)	0.72	*(2.46)	1.6
3.16	0.00	3.0	2.1	7.6	5.4	13.0	9.0	13.0	15.5	22.7	14.9	38.1	17.4
	0.35		0.94		2.5		6.4		9.4		10.1		14.1
	0.70		<0.25		1.3		3.9		4.2		5.9		11.1
	1.05				0.78		2.1		1.9		4.4		7.3
	1.41				0.49		1.3		1.2		2.7		4.6
	1.76				0.33		0.81		0.98		1.8		3.0
	2.11						0.44				1.2		1.9
	2.46	*(2.46)		*(2.54)		*(2.59)	0.21	*(1.78)		*(2.81)	0.66	*(2.64)	1.2
3.52	0.00	3.1	2.1	8.0	5.9	13.7	9.8	13.7	16.0	24.0	15.6	40.2	19.8
	0.35		1.1		2.9		7.2		11.1		10.6		15.5
	0.70		<0.25		1.6		4.2		5.5		7.5		13.4
	1.05				0.93		2.4		2.5		4.8		9.2
	1.41				0.60		1.6		1.5		3.6		5.6
	1.76				0.43		1.3		1.1		2.3		3.7
	2.11						0.67				1.6		2.7
	2.46						0.41				1.0		1.7
	2.81	*(2.74)		*(2.78)		*(2.88)	0.20	*(2.04)		*(3.16)	0.64	*(2.95)	0.98

**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
www.mazzei.net

Injector Performance Table

Air Suction Capacity (METRIC)

REV 2014

Operating Pressure kg/cm²		Model 287 15mm Threads		Model 384 15mm Threads		Model 484 15mm & 20mm Threads		Model 484X 20mm Threads		Model 584 15mm & 20mm Threads		Model 684 20mm Threads	
Injector INLET	Injector OUTLET	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min
4.22	0.00		2.8		6.3		9.5		17.2		17.1		20.2
	0.35				3.7		8.0		14.3		12.6		16.5
	0.70		0.5		2.0		5.5		7.7		9.9		14.8
	1.05				1.3		3.6		4.8		6.4		13.0
	1.41	**3.4**	<0.25	**8.8**	0.85	**15.0**	2.4	**15.0**	2.4	**26.3**	4.7	**44.0**	8.1
	2.11				0.45		1.1		1.3		2.6		4.4
	2.46				0.26		0.76				2.0		3.2
	2.81						0.59				1.3		2.4
	3.16	*(3.30)		*(3.33)		*(3.57)		*(2.43)		*(3.76)	0.96	*(3.52)	1.5
4.92	0.00		3.3		6.8		9.7		18.7		17.2		20.2
	0.35				4.5		8.7		14.9		13.5		18.6
	0.70		0.7		2.6		6.8		9.8		11.1		16.6
	1.05				1.7		4.7		7.1		8.1		14.8
	1.41	**3.7**	<0.25	**9.5**	1.1	**16.2**	3.3	**16.2**	3.5	**28.4**	6.0	**47.6**	12.7
	2.11				0.63		1.8		1.7		3.8		6.4
	2.81				0.41		1.0		1.1		2.2		3.8
	3.16						0.77				1.8		2.8
	3.52						0.48				1.2		2.1
	3.87	*(3.87)		*(3.68)		*(4.11)		*(2.86)		*(4.43)	0.82	*(4.10)	1.3
5.62	0.00		3.3		7.5		10.1		19.0		17.9		20.2
	0.35				5.3		9.4		18.0		14.6		19.7
	0.70				3.1		7.5		13.6		12.3		17.3
	1.05				2.2		5.5		8.6		10.3		16.2
	1.41	**4.0**	<0.25	**10.1**	1.5	**17.3**	4.0	**17.3**	4.7	**30.3**	7.5	**50.9**	15.1
	2.11				0.88		2.3		2.3		4.9		8.0
	2.81				0.58		1.4		1.4		3.3		5.1
	3.52				0.40		0.78		1.0		2.1		3.1
	4.22						0.43				1.2		2.0
	4.57	*(4.43)		*(4.35)		*(4.64)		*(3.65)		*(5.10)	0.83	*(4.71)	1.4
6.33	0.00		3.3		8.1		10.3		20.1		18.2		20.3
	0.35				6.0		9.6		18.7		15.4		19.9
	0.70				3.6		8.3		15.5		13.6		18.6
	1.41		0.5		1.9		4.8		7.5		9.3		16.2
	2.11	**4.2**	<0.25	**10.7**	1.0	**18.4**	2.9	**18.4**	3.4	**32.2**	6.1	**53.9**	11.6
	2.81				0.73		2.0		2.1		4.1		6.9
	3.52				0.51		1.2		1.3		2.7		4.7
	4.22				0.38		0.75				1.8		3.3
	4.92						0.41				1.0		1.9
	5.27	*(4.99)		*(4.99)		*(5.20)		*(3.81)		*(5.66)	0.84	*(5.34)	1.4
7.03	0.00		3.3		8.4		10.3		20.9		18.5		20.5
	0.35				6.5		9.8		20.1		16.6		20.3
	0.70				4.2		8.9		17.2		14.3		19.8
	1.41		0.5		2.2		5.7		8.8		10.9		18.0
	2.11	**4.4**		**11.3**	1.2	**19.3**	3.6	**19.3**	4.8	**33.9**	6.8	**56.9**	15.5
	2.81		<0.25		0.91		2.5		2.8		5.1		8.5
	3.52				0.67		1.6		1.8		3.6		6.1
	4.22				0.51		1.0				2.4		4.4
	4.92				0.37						1.6		3.1
	5.62	*(5.55)		*(5.52)		*(5.83)		*(4.19)		*(6.33)	0.96	*(5.98)	1.8
8.44	0.00		3.3		9.2		10.7		23.0		19.0		20.7
	0.35				7.2		10.3		22.2		18.1		20.4
	0.70				5.2		9.9		20.1		15.8		20.0
	1.41				2.9		7.2		12.3		13.0		18.8
	2.11	**4.8**		**12.4**	1.8	**21.2**	5.0	**21.2**	7.0	**37.1**	8.7	**62.3**	18.1
	2.81		<0.25		1.2		3.6		3.9		6.5		12.8
	3.52				0.95		2.7		2.6		5.1		8.5
	4.22				0.72		1.9		1.9		3.6		6.4
	4.92				0.58		1.3		1.4		2.9		5.1
	5.62				0.47		0.95				2.0		3.9
	6.33										1.4		2.8
	7.03	*(6.68)		*(6.81)		*(7.01)		*(5.00)		*(7.52)	0.87	*(7.17)	1.7

**Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).*

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Injector Performance Table

Air Suction Capacity (METRIC)

REV 2014

Operating Pressure kg/cm²		Model 784 20mm Threads		Model 878-03 25mm Threads		Model 885X-03 25mm Threads		Model 978-03 25mm Threads		Model 1078-03 25mm Threads		Model 1583 40mm Threads	
Injector INLET	Injector OUTLET	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min
0.35	0.00		5.5		7.0		8.6		8.7		11.4		18.6
	0.07		4.6		2.5		4.2		2.4		3.0		8.0
	0.14	**16.3**	2.2	**13.2**	0.73	**12.8**	0.69	**15.4**	0.86	**19.9**	1.2	**38.9**	1.8
	0.21		1.0		0.19				0.42		0.70		0.98
	0.28	*(0.32)	0.46	*(0.28)		*(0.28)		*(0.27)		*(0.28)		*(0.31)	
0.70	0.00		9.1		16.0		12.7		14.1		18.9		40.2
	0.14		7.4		4.0		7.1		5.2		7.6		12.2
	0.35	**23.1**	2.7	**18.7**	1.3	**18.1**	0.87	**21.7**	1.4	**28.1**	1.9	**55.0**	3.9
	0.49		0.94		0.42				0.60		0.73		1.9
	0.56	*(0.63)	0.44	*(0.61)	0.29	*(0.53)		*(0.63)	0.40	*(0.57)		*(0.61)	1.3
1.05	0.00		13.6		17.0		18.1		17.9		22.9		54.2
	0.35		7.8		3.5		3.7		4.1		6.1		10.2
	0.49	**28.3**	4.1	**22.9**	1.8	**22.2**	1.6	**26.6**	2.6	**34.4**	3.7	**67.4**	6.5
	0.70		1.9		0.35				1.1		1.5		2.9
	0.84	*(0.91)	0.90	*(0.88)		*(0.77)		*(0.94)	0.60	*(0.92)	1.0	*(0.91)	2.0
1.41	0.00		15.9		20.9		22.2		20.8		25.9		62.8
	0.35		10.0		5.9		6.4		6.8		10.4		16.8
	0.70	**32.7**	3.8	**26.5**	2.0	**25.6**	1.7	**30.8**	2.8	**39.7**	4.0	**77.8**	7.0
	0.84		2.3		1.2				1.9		2.6		4.4
	1.05	*(1.23)	1.1	*(1.16)	0.82	*(0.98)		*(1.18)	1.0	*(1.22)	1.5	*(1.26)	3.3
1.76	0.00		18.9		21.1		26.9		22.6		28.7		65.8
	0.35		13.7		8.2		13.1		8.8		15.7		23.0
	0.70	**36.5**	6.6	**29.6**	3.2	**28.7**	3.3	**34.4**	4.1	**44.4**	6.7	**87.0**	11.1
	1.05		1.5		1.6		1.3		2.1		3.5		5.5
	1.41	*(1.57)		*(1.48)	0.58	*(1.20)		*(1.46)	0.81	*(1.54)	1.6	*(1.55)	3.7
2.11	0.00		22.7		24.0		31.5		23.5		33.3		74.7
	0.35		15.3		12.3		21.8		12.5		21.9		26.7
	0.70	**40.0**	9.6	**32.5**	5.3	**31.4**	5.8	**37.7**	5.9	**48.7**	9.6	**95.3**	14.5
	1.05		4.5		3.0		2.6		3.4		5.3		7.7
	1.41		2.0		1.4		0.98		1.8		2.8		4.2
	1.76	*(1.86)		*(1.84)	0.98	*(1.44)		*(1.86)	0.68	*(1.83)	1.1	*(1.83)	3.1
2.46	0.00		21.9		24.5		41.2		22.7		34.9		76.1
	0.35		17.9		16.2		12.9		13.7		24.9		32.2
	0.70	**43.2**	14.0	**35.1**	6.6	**33.9**	7.5	**40.7**	7.6	**52.6**	11.6	**103**	17.1
	1.05		7.1		4.0		3.7		5.2		6.4		10.3
	1.41		3.8		2.2		2.0		3.2		4.2		6.3
	1.76	*(2.18)	1.9	*(2.12)	1.5	*(1.69)		*(2.13)	1.5	*(2.11)	2.5	*(2.07)	4.8
2.81	0.00		25.0		26.3		38.1		24.5		37.7		81.8
	0.35		21.1		19.1		18.5		18.2		27.3		37.3
	0.70		16.9		8.3		10.0		9.5		14.8		20.4
	1.05	**46.2**	9.6	**37.5**	5.5	**36.3**	5.3	**43.5**	6.2	**56.2**	8.9	**110**	13.4
	1.41		5.4		3.1		3.2		4.0		6.1		8.9
	1.76		3.3		2.2		2.1		2.6		3.8		5.7
	2.11	*(2.39)	1.4	*(2.42)	1.1	*(1.90)		*(2.41)	1.5	*(2.42)	2.0	*(2.35)	4.5
3.16	0.00		26.6		31.5		36.4		25.8		40.5		91.7
	0.35		22.7		19.9		22.9		20.0		29.6		46.0
	0.70		18.2		9.8		12.8		11.0		18.1		24.2
	1.05		13.7		6.0		6.9		7.6		10.9		16.0
	1.41	**49.0**	7.0	**39.7**	4.2	**38.5**	4.3	**46.1**	5.2	**59.6**	7.4	**117**	11.0
	1.76		4.4		2.4		3.0		3.4		5.3		7.6
	2.11		2.8		1.9		1.6		2.2		3.3		6.1
	2.46	*(2.67)	1.2	*(2.70)	1.0	*(2.18)		*(2.72)	1.3	*(2.72)	2.1	*(2.64)	4.3
3.52	0.00		27.4		30.6		39.5		28.8		41.4		92.0
	0.35		24.5		23.0		23.4		22.8		31.3		51.6
	0.70		20.3		11.2		15.2		12.7		19.9		27.8
	1.05		16.8		7.6		8.3		9.1		12.1		19.5
	1.41	**51.6**	9.6	**41.9**	4.9	**40.5**	5.3	**48.6**	6.4	**62.8**	7.6	**123**	13.3
	1.76		6.4		3.9		3.5		4.7		6.0		8.9
	2.11		4.3		2.1		2.3		3.2		4.1		6.5
	2.46		2.8		2.0				2.1		2.5		4.6
	2.81	*(3.01)	1.3	*(2.97)	0.53	*(2.53)		*(2.96)	1.1	*(3.09)	1.4	*(2.95)	3.1

**Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).*

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Injector Performance Table

Air Suction Capacity (METRIC)

REV 2014

Operating Pressure kg/cm²	Injector INLET	Injector OUTLET	Model 784 20mm Threads		Model 878-03 25mm Threads		Model 885X-03 25mm Threads		Model 978-03 25mm Threads		Model 1078-03 25mm Threads		Model 1583 40mm Threads	
			Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min
		0.00		28.0		33.6		56.8		34.5		43.1		101
		0.35		27.1		25.9		27.5		26.9		36.0		70.9
		0.70		23.3		15.8		21.3		17.6		27.1		35.6
		1.05		20.8		9.5		10.8		11.6		16.3		24.8
4.22		1.41	**56.6**	16.5	**45.9**	6.9	**44.4**	7.7	**53.3**	8.5	**68.8**	11.5	**135**	18.6
		2.11		7.3		3.6		4.1		5.0		6.6		9.8
		2.46		4.9		2.7		3.1		3.7		4.8		7.9
		2.81		3.8		2.0		1.4		2.6		3.4		5.6
		3.16	*(3.52)	2.3	*(3.60)	1.1	*(3.02)		*(3.62)	1.7	*(3.59)	2.1	*(3.47)	4.9
		0.00		28.3		36.3		63.9		34.7		47.4		113
		0.35		28.2		28.3		29.9		29.6		38.5		89.2
		0.70		25.8		19.2		21.8		23.2		31.8		47.3
		1.05		23.4		12.0		14.1		15.1		21.8		31.7
4.92		1.41	**61.1**	21.8	**49.6**	9.0	**48.0**	10.6	**57.5**	10.8	**74.3**	15.0	**146**	22.5
		2.11		10.5		5.3		6.0		7.0		9.2		12.9
		2.81		6.3		3.2		3.6		4.3		5.8		8.5
		3.16		4.6		2.3		2.5		3.2		4.1		5.9
		3.52		3.5		1.9				2.2		3.3		5.6
		3.87	*(4.10)	1.9	*(4.10)	1.0	*(3.59)		*(4.22)	1.3	*(4.14)	2.1	*(3.99)	5.2
		0.00		28.7		38.3		72.9		36.0		49.8		117
		0.35		28.3		30.6		28.8		31.8		42.2		93.5
		0.70		27.3		23.5		26.0		26.3		35.3		51.1
		1.05		25.5		14.6		16.1		17.9		27.2		34.2
5.62		1.41	**65.3**	24.3	**53.0**	10.9	**51.3**	13.5	**61.5**	13.1	**79.5**	18.6	**156**	27.7
		2.11		16.1		6.6		7.6		8.9		11.6		17.7
		2.81		8.6		4.2		4.7		5.4		8.0		11.2
		3.52		5.5		2.7		2.9		3.5		4.8		7.1
		4.22		2.9		1.8				1.9		2.9		5.8
		4.57	*(4.71)	1.6	*(4.75)	1.1	*(4.01)		*(4.75)	1.7	*(4.82)	2.1	*(4.92)	4.1
		0.00		29.2		40.2		79.3		41.4		53.2		123
		0.35		29.2		32.8		32.2		32.9		45.4		98.3
		0.70		29.1		26.6		29.1		28.8		38.5		65.8
		1.41		26.5		12.7		16.5		15.6		23.0		33.6
6.33		2.11	**69.3**	22.7	**56.2**	8.1	**54.4**	9.3	**65.2**	10.6	**84.3**	13.8	**165**	22.3
		2.81		11.9		5.7		6.1		7.5		9.8		14.8
		3.52		7.7		3.7		4.1		4.6		7.0		10.3
		4.22		5.2		2.4		2.1		3.4		4.3		6.0
		4.92		2.7		1.6				2.0		2.7		3.3
		5.27	*(5.34)	1.7	*(5.32)	1.0	*(4.64)		*(5.37)	1.7	*(5.41)	2.0	*(5.14)	
		0.00		29.2		41.85		87.3		42.9		55.0		131
		0.35		29.6		34.1		34.6		35.9		48.6		109
		0.70		29.0		29.6		30.7		31.8		41.4		78.5
		1.41		27.5		14.6		20.1		18.4		29.6		38.1
7.03		2.11	**73.0**	24.8	**59.3**	9.5	**57.3**	11.3	**68.8**	13.0	**88.8**	17.5	**174**	26.0
		2.81		16.8		6.8		7.5		9.0		12.1		18.1
		3.52		9.8		4.7		5.3		6.2		8.5		12.5
		4.22		6.8		3.4		3.6		4.6		5.9		9.0
		4.92		4.5		2.4				3.2		3.9		8.2
		5.62	*(5.98)	2.3	*(5.94)	1.3	*(5.13)		*(5.98)	2.1	*(6.05)	2.6	*(5.72)	6.3
		0.00		29.9		46.3		98.8		44.3		58.8		139
		0.35		30.0		38.2		37.6		38.6		52.3		117
		0.70		29.8		33.4		34.5		33.8		46.2		102
		1.41		29.5		19.7		24.9		22.8		36.7		50.5
8.44		2.11	**80.0**	27.0	**64.9**	12.3	**62.8**	13.4	**75.3**	15.7	**97.3**	22.1	**191**	33.5
		2.81		26.0		9.0		10.1		11.3		15.8		25.1
		3.52		16.2		6.8		7.9		7.5		11.8		18.7
		4.22		10.6		5.1		5.4		6.3		9.0		13.8
		4.92		7.8		3.7		4.6		4.7		6.6		9.7
		5.62		5.5		2.7		1.8		3.6		4.8		9.3
		6.33		3.4		2.1				2.6		3.1		7.6
		7.03	*(7.17)		*(7.14)	1.1	*(5.98)		*(7.24)	1.8	*(7.17)	2.4	*(6.92)	

**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
www.mazzei.net

Injector Performance Table

Air Suction Capacity (METRIC)

REV 2014

Operating Pressure kg/cm²		Model 1584 40mm Threads		Model 1585X 40mm Threads		Model 1587 40mm Threads		Model 2081 50mm Threads		Model 3090 80mm Threads		Model 4091 100mm Threads	
Injector INLET	Injector OUTLET	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min
0.35	0.00	68.3	22.1	38.9	26.6	64.2	31.1					497	566
	0.07		18.8		5.6		10.3						543
	0.14		15.0		3.2		7.4						493
	0.21		9.7				4.1						444
	0.28	*(0.29)	5.0	*(0.25)		*(0.29)						*(0.32)	291
0.70	0.00	96.6	46.2	55.0	30.6	90.8	60.3	166	199	392	338	703	863
	0.14		34.1		9.4		28.8		108		299		615
	0.35		17.5		5.5		10.2		29		178		446
	0.49		9.7				4.6		23		138		409
	0.56	*(0.60)	5.9	*(0.46)		*(0.61)	2.3	*(0.63)	16	*(0.60)	14.1	*(0.62)	341
1.05	0.00	118	67.9	67.4	55.3	111	72.5	204	247	480	464	861	1,111
	0.35		33.8		8.8		20.1		71		316		613
	0.49		21.5		5.5		12.6		38		199		527
	0.70		11.2				6.4		30		123		301
	0.84	*(0.91)	4.4	*(0.66)		*(0.95)	4.2	*(0.94)	19	*(0.95)	56.6	*(0.92)	183
1.41	0.00	137	80.2	77.8	61.7	128	81.6	235	286	554	537	994	1,073
	0.35		48.2		14.6		30.3		115		401		742
	0.70		19.3		6.0		12.0		42		184		380
	0.84		14.7		3.0		8.8		37		139		330
	1.05	*(1.20)	5.9	*(0.89)		*(1.20)	5.6	*(1.23)	29	*(1.20)	101	*(1.23)	251
1.76	0.00	153	87.3	87.0	68.6	143	92.3	263	316	619	585	1,111	1,127
	0.35		60.8		22.9		42.9		172		472		798
	0.70		31.0		9.5		20.5		65		255		550
	1.05		15.6		3.8		9.0		41		148		299
	1.41	*(1.51)	5.6	*(1.08)		*(1.55)	4.6	*(1.57)	25	*(1.51)	28.3	*(1.53)	224
2.11	0.00	167	91.5	95.3	79.8	157	108	288	346	678	649	1,217	1,210
	0.35		72.1		28.7		54.0		221		537		842
	0.70		46.9		12.1		25.8		100		320		597
	1.05		25.6		6.9		14.1		50		182		434
	1.41		13.4				8.2		42		119		296
	1.76	*(1.83)	4.7	*(1.36)		*(1.80)	4.7	*(1.83)	20	*(1.79)		*(1.83)	206
2.46	0.00	181	97.2	103	82.8	170	108	311	377	733	683	1,315	1,295
	0.35		81.8		36.9		67.7		264		587		1,063
	0.70		58.2		16.1		33.4		135		352		847
	1.05		34.1		9.7		19.6		66		212		568
	1.41		18.7		4.9		12.7		51		141		371
	1.76	*(2.14)	10.6	*(1.58)		*(2.04)	8.8	*(2.14)	42	*(2.07)	92.8	*(2.14)	292
2.81	0.00	193	100	110	83.5	181	120	333	403	783	641	1,406	1,349
	0.35		89.0		41.2		89.5		299		586		1,143
	0.70		69.7		21.3		40.9		162		374		894
	1.05		46.6		11.7		24.7		94		251		618
	1.41		28.1		7.8		17.0		59		166		439
	1.76		18.1		1.2		12.6		51		116		319
	2.11	*(2.46)	10.3	*(1.79)		*(2.33)	8.1	*(2.36)	40	*(2.28)	74.6	*(2.46)	255
3.16	0.00	205	104	117	108	193	126	353	424	831	702	1,491	1,469
	0.35		93.2		49.7		98.1		329		661		1,236
	0.70		74.4		24.1		43.0		204		480		1,050
	1.05		52.4		15.3		27.7		122		354		760
	1.41		34.8		10.1		18.8		68		224		561
	1.76		23.4		5.7		13.3		58		162		402
	2.11		15.3				8.9		51		110		330
	2.46	*(2.78)	10.0	*(2.02)		*(2.88)	7.1	*(2.67)	38	*(2.53)	14.1	*(2.73)	283
3.52	0.00	216	106	123	96.1	203	127	372	450	876	730	1,572	1,482
	0.35		98.1		61.1		104		359		668		1,387
	0.70		82.8		26.7		52.6		245		551		1,231
	1.05		62.8		17.9		33.3		152		371		873
	1.41		45.6		12.9		24.4		92		258		629
	1.76		32.2		8.2		17.6		66		201		504
	2.11		22.2		3.0		10.7		59		144		389
	2.46		15.0				9.2		52		106		285
	2.81	*(2.99)	8.7	*(2.28)		*(2.88)	6.8	*(2.92)	35	*(2.85)		*(3.03)	212

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Injector Performance Table

Air Suction Capacity (METRIC)

REV 2014

Operating Pressure kg/cm²		Model 1584 40mm Threads		Model 1585X 40mm Threads		Model 1587 40mm Threads		Model 2081 50mm Threads		Model 3090 80mm Threads		Model 4091 100mm Threads	
Injector INLET	Injector OUTLET	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min	Motive Flow l/min	*Air Suction* l/min
4.22	0.00	236	112	135	109	222	144	407	494	959	807	1,722	1,852
	0.35		103		85.9		118		408		736		1,784
	0.70		90.1		36.7		76.4		315		610		1,621
	1.05		74.4		24.3		45.3		199		439		1,387
	1.41		56.9		16.8		33.8		142		297		1,086
	2.11		32.2		8.7		19.0		72		196		668
	2.46		25.0		4.7		15.0		66		147		502
	2.81		17.5				11.0		60		105		339
	3.16	*(3.62)	12.2	*(2.69)		*(3.51)	10.3	*(3.52)	49	*(3.44)	56.6	*(3.59)	242
4.92	0.00	255	115	146	123			440	533	1,036	854		
	0.35		109		100				451		807		
	0.70		98.1		42.6				373		716		
	1.05		84.5		28.3				268		594		
	1.41		71.1		21.9				191		387		
	2.11		43.4		12.6				93		271		
	2.81		26.6		5.8				72		151		
	3.16		20.3						67		118		
	3.52		15.6						59		93.4		
	3.87	*(4.22)	10.0	*(3.14)				*(4.11)	45	*(4.11)	42.4		
5.62	0.00	273	117	156	130			471	567	1,108	934		
	0.35		113		110				487		877		
	0.70		105		56.7				422		764		
	1.05		94.2		37.4				329		637		
	1.41		82.2		27.8				229		523		
	2.11		55.3		16.2				132		329		
	2.81		37.6		10.4				83		236		
	3.52		23.1		0.69				72		122		
	4.22		13.1						57		31.1		
	4.57	*(4.78)	8.4	*(3.59)				*(4.68)	40	*(4.75)	5.6		
6.33	0.00	290	118	165	137					1,175	991		
	0.35		116		110						962		
	0.70		110		65.2						906		
	1.41		91.4		31.0						625		
	2.11		67.1		19.7						376		
	2.81		46.2		13.0						296		
	3.52		32.2		6.2						216		
	4.22		21.8								140		
	4.92		12.5								70.8		
	5.27	*(5.41)	8.4	*(4.04)						*(5.38)	22.6		
7.03	0.00	305	118	174	150					1,238	934		
	0.35		119		118						877		
	0.70		115		89.0						628		
	1.41		98.4		36.2						573		
	2.11		79.4		24.3						357		
	2.81		57.5		15.8						280		
	3.52		42.1		10.3						203		
	4.22		29.1		3.3						148		
	4.92		20.0								104		
	5.62	*(6.05)	11.8	*(4.44)						*(5.98)	42.4		
8.44	0.00	334	122	191	159								
	0.35		121		123								
	0.70		120		110								
	1.41		112		47.3								
	2.11		98.4		30.6								
	2.81		80.1		21.8								
	3.52		61.5		16.7								
	4.22		46.6		10.4								
	4.92		35.7		3.9								
	5.62		25.9										
	6.33		17.5										
	7.03	*(7.24)	10.3	*(5.29)									

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