

# Injector Performance Table

Performance Data for **Plastic Injectors ONLY**



REV 2014

Operating Pressure PSIG		Model 287 ½" Threads		Model 384 ½" Threads		Model 484 ½" & ¾" Threads		Model 484X ¾" Threads		Model 584 ½" & ¾" Threads		Model 684 ¾" Threads	
Injector INLET	Injector OUTLET	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH
5	0	0.29	<1.0	0.67	0.60	1.1	5.5	1.1	7.8	2.0	8.8	3.4	9.0
	1		0.19		2.0		2.7		3.2		5.7		
	2				0.35		0.67		1.2		3.0		
	3				0.13		0.48		0.73		1.0		
	4		*(3.5)		*(3.9)		*(4.4)		*(3.5)		*(4.4)		*(4.3)
10	0	0.31	1.0	0.94	3.5	1.6	9.6	1.6	13.1	2.8	14.6	4.7	13.2
	2		<1.0		1.5		3.0		3.9		9.3		
	5				0.34		0.72		1.1		3.6		
	7						0.34		0.38		0.77		1.5
	8		*(7.7)		*(8.2)		*(8.4)		*(7.5)		*(9.0)		*(8.5)
15	0	0.41	2.0	1.2	6.6	2.0	12.6	2.0	17.7	3.5	17.4	5.8	15.4
	5		<1.0		1.0		2.3		2.8		7.2		
	7				0.60		1.3		1.5		4.4		
	10						0.61				0.98		2.1
	12		*(11.5)		*(12.9)		*(12.5)		*(8.7)		*(13.5)		*(13.0)
20	0	0.50	3.0	1.3	8.8	2.3	14.7	2.3	21.4	4.0	20.5	6.7	23.6
	5		<1.0		2.2		4.7		5.3		15.0		
	10				0.64		1.2		1.4		5.7		
	12						0.84		0.99		1.7		3.8
	15		*(16.0)		*(16.5)		*(17.0)		*(13.2)		*(18.0)		*(16.5)
25	0	0.57	3.5	1.5	9.5	2.6	15.7	2.6	24.8	4.5	23.1	7.5	27.5
	5		<1.0		3.0		6.0		8.4		19.6		
	10				1.1		2.0		2.0		8.2		
	15						0.71		1.2		1.9		3.7
	20		*(19.5)		*(20.5)		*(21.6)		*(16.5)		*(22.0)		*(21.0)
30	0	0.63	3.5	1.6	9.9	2.8	16.5	2.8	27.4	4.9	26.1	8.2	30.4
	5		<1.0		3.6		9.0		10.4		23.7		
	10				1.5		3.8		3.3		6.7		11.9
	15				0.77		1.6		1.8		3.3		5.9
	20						0.68				1.8		3.4
25	*(24.5)	*(25.2)	*(25.5)	*(17.2)	*(27.0)	*(26.0)	1.3						
35	0	0.69	4.0	1.8	10.3	3.0	17.5	3.0	30.5	5.3	28.4	8.9	33.0
	5		<1.0		3.8		11.8		14.2		25.9		
	10				1.8		5.4		4.7		9.3		16.3
	15				1.0		2.5		2.3		5.2		8.8
	20				0.57		1.3		1.8		2.7		5.5
25	*(27.0)	*(28.6)	*(29.5)	*(23.5)	*(31.5)	*(29.5)	3.0						
40	0	0.74	4.5	1.9	10.7	3.2	18.1	3.2	32.9	5.7	30.7	9.5	35.0
	5		1.0		4.6		12.6		16.9		27.1		
	10		<1.0		2.2		7.4		7.3		19.4		20.9
	15				1.3		3.6		3.1		10.9		11.7
	20				0.78		1.8		2.4		6.9		8.1
25			1.1		2.7	4.9							
30	*(31.0)	*(32.0)	*(33.3)	*(26.1)	*(35.5)	*(35.0)	3.4						
45	0	0.79	4.5	2.0	11.6	3.4	19.2	3.4	33.0	6.0	31.6	10.1	36.9
	5		2.0		5.5		13.6		19.9		21.5		29.9
	10		<1.0		2.8		8.3		8.9		12.6		23.6
	15				1.6		4.4		4.2		9.4		15.4
	20				1.0		2.8		2.5		5.8		9.8
25		0.70	1.7	2.0	3.9	6.5							
30			0.94		2.5	4.0							
35	*(35.0)	*(36.1)	*(36.8)	*(25.4)	*(40.0)	*(37.5)	2.5						
50	0	0.83	4.5	2.1	12.5	3.6	20.7	3.6	33.8	6.3	33.1	10.6	42.0
	5		2.5		6.1		15.2		23.5		22.5		33.0
	10		<1.0		3.4		9.0		11.6		16.0		28.4
	15				1.9		5.1		5.4		10.3		19.5
	20				1.2		3.5		3.3		7.6		12.0
25		0.91	2.7	2.4	5.0	8.0							
30			1.4		3.5	5.9							
35			0.87		2.2	3.7							
40	*(39.0)	*(39.6)	*(41.0)	*(29.0)	*(45.0)	*(42.0)	2.0						

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

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500 Rooster Drive, Bakersfield, CA 93307-9555 USA

www.mazzei.net

# Injector Performance Table

Performance Data for **Plastic Injectors ONLY**



REV 2014

## Air Suction Capacity

Operating Pressure PSIG		Model 287 ½" Threads		Model 384 ½" Threads		Model 484 ½" & ¾" Threads		Model 484X ¾" Threads		Model 584 ½" & ¾" Threads		Model 684 ¾" Threads	
Injector INLET	Injector OUTLET	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH
60	0	0.91	6.0	2.3	13.4	4.0	20.1	4.0	36.6	6.9	36.2	11.6	42.7
	5		<1.0		7.9		17.0		30.3		26.7		34.9
	10		<1.0		4.3		11.7		16.3		21.0		31.5
	15		<1.0		2.8		7.6		10.1		13.6		27.5
	20		<1.0		1.8		5.1		5.2		10.0		17.2
	30		<1.0		0.97		2.4		2.7		5.7		9.3
	35		<1.0		0.56		1.6				4.3		6.8
	40		<1.0				1.2				2.8		5.2
	45		<1.0								2.0		3.2
		*(47.0)		*(47.3)		*(50.7)		*(34.6)		*(53.5)		*(50.0)	
70	0	0.98	7.0	2.5	14.4	4.3	20.7	4.3	39.6	7.5	36.6	12.6	42.9
	5		<1.0		9.6		18.5		31.6		28.8		39.6
	10		<1.0		5.5		14.5		20.9		23.6		35.1
	15		<1.0		3.6		10.1		15.1		17.2		31.4
	20		<1.0		2.4		7.0		7.5		12.8		27.1
	30		<1.0		1.3		3.9		3.7		8.0		13.6
	40		<1.0		0.87		2.2		2.4		4.6		8.1
	45		<1.0				1.6				3.8		5.9
	50		<1.0				1.0				2.7		4.4
55	<1.0				1.7	2.8							
		*(55.0)		*(52.4)		*(58.5)		*(40.7)		*(63.0)		*(58.3)	
80	0	1.0	7.0	2.7	15.9	4.6	21.4	4.6	40.2	8.0	38.0	13.4	42.9
	5		<1.0		11.2		20.0		38.2		31.0		41.8
	10		<1.0		6.6		16.0		28.8		26.2		36.6
	15		<1.0		4.7		11.8		18.3		21.9		34.4
	20		<1.0		3.3		8.5		10.0		16.0		32.1
	30		<1.0		1.8		5.0		5.0		10.4		17.0
	40		<1.0		1.2		3.0		3.1		7.1		10.9
	50		<1.0		0.86		1.6		2.1		4.6		6.6
	60		<1.0				0.92				2.6		4.3
65	<1.0				1.7	3.0							
		*(63.0)		*(61.9)		*(66.0)		*(51.9)		*(72.5)		*(67.0)	
90	0	1.1	7.0	2.8	17.2	4.8	21.9	4.8	42.6	8.5	38.5	14.2	43.1
	5		<1.0		12.8		20.3		39.7		32.7		42.3
	10		<1.0		7.8		17.6		32.9		28.9		39.4
	20		<1.0		4.1		10.2		15.9		19.7		34.3
	30		<1.0		2.3		6.2		7.2		12.9		24.7
	40		<1.0		1.5		4.3		4.5		8.8		14.8
	50		<1.0		1.0		2.7		2.9		5.8		10.1
	60		<1.0		0.81		1.5				3.8		7.1
	70		<1.0				0.88				2.2		4.2
75	<1.0				1.7	2.9							
		*(71.0)		*(71.0)		*(74.0)		*(54.3)		*(80.5)		*(76.0)	
100	0	1.2	7.0	3.0	17.8	5.1	21.9	5.1	44.4	9.0	39.2	15.0	43.6
	5		<1.0		13.9		20.9		42.6		35.2		43.1
	10		<1.0		8.9		18.9		36.6		30.3		42.0
	20		<1.0		4.7		12.2		18.7		23.1		38.1
	30		<1.0		2.7		7.6		10.3		14.4		33.0
	40		<1.0		1.9		5.5		6.0		11.0		18.0
	50		<1.0		1.4		3.5		3.9		7.6		13.1
	60		<1.0		1.0		2.1				5.2		9.5
	70		<1.0		0.78						3.3		6.6
80	<1.0				2.0	3.9							
		*(79.0)		*(78.6)		*(82.9)		*(59.7)		*(90.0)		*(85.0)	
120	0	1.3	7.0	3.3	19.5	5.6	22.8	5.6	48.7	9.8	40.3	16.5	43.8
	5		<1.0		15.3		21.9		47.0		38.4		43.2
	10		<1.0		11.1		21.0		42.6		33.5		42.5
	20		<1.0		6.1		15.3		26.1		27.5		39.8
	30		<1.0		3.8		10.7		15.0		18.5		38.4
	40		<1.0		2.6		7.8		8.4		13.9		27.2
	50		<1.0		2.0		5.9		5.6		10.8		18.1
	60		<1.0		1.5		4.1		4.1		7.6		13.7
	70		<1.0		1.2		2.8		3.0		6.2		10.8
80	<1.0	1.0	2.0		4.3	8.2							
90	<1.0				3.1	5.9							
100	<1.0				1.8	3.7							
		*(95.0)		*(96.8)		*(99.7)		*(71.2)		*(107)		*(102)	

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

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REV 2014

Operating Pressure PSIG		Model 784 ¾" Threads		Model 878-03 1" Threads		Model 885X-03 1" Threads		Model 978-03 1" Threads		Model 1078-03 1" Threads		Model 1583 1½" Threads	
Injector INLET	Injector OUTLET	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH
5	0	4.3	11.7	3.5	14.9	3.4	18.3	4.1	18.5	5.2	24.3	10.3	39.4
	1		9.8		5.4		9.0		5.1		6.4		17.1
	2		4.7		1.5		1.4		1.8		2.7		3.9
	3		2.1		0.41				0.90		1.5		2.0
	4		*(4.5)		0.99		*(4.1)		*(4.0)		*(3.9)		*(4.0)
10	0	6.1	19.3	4.9	33.9	4.8	26.9	5.7	29.9	7.4	40.1	14.5	85.3
	2		15.6		8.5		15.2		11.2		16.1		25.9
	5		5.7		2.8		1.8		3.1		4.1		8.3
	7		2.0		0.88				1.2		1.5		4.1
	8		*(9.0)		0.93		*(8.7)		*(7.5)		*(9.0)		*(8.1)
15	0	7.5	28.8	6.1	36.0	5.9	38.3	7.0	37.9	9.1	48.6	17.8	114
	5		16.5		7.4		7.9		8.8		13.1		21.7
	7		8.7		3.8		3.4		5.6		7.8		13.9
	10		4.1		0.74				2.4		3.3		6.2
	12		*(13.0)		1.9		*(12.5)		*(11.0)		*(13.4)		*(13.1)
20	0	8.6	33.7	7.0	44.2	6.8	47.1	8.1	44.1	10.5	55.0	20.6	133
	5		21.2		12.5		13.5		14.5		22.1		35.6
	10		8.0		4.3		3.6		6.0		8.5		14.8
	12		4.9		2.7				4.0		5.6		9.4
	15		*(17.5)		2.4		*(16.5)		*(14.0)		*(16.8)		*(17.3)
25	0	9.6	40.0	7.8	44.7	7.6	57.1	9.1	48.0	11.7	60.9	23.0	139
	5		29.1		17.4		27.9		18.7		33.2		48.7
	10		14.0		6.7		7.1		8.6		14.3		23.5
	15		3.3		3.4		2.8		4.6		7.5		11.8
	20		*(22.3)		1.2		*(21.0)		*(17.0)		*(20.8)		*(21.9)
30	0	10.6	48.2	8.6	51.0	8.3	66.9	9.9	49.7	12.9	70.6	25.2	158
	5		32.5		26.1		46.2		26.6		46.4		56.6
	10		20.3		11.3		12.3		12.6		20.5		30.8
	15		9.6		6.4		5.5		7.2		11.2		16.3
	20		4.2		2.9		2.0		3.8		6.1		8.9
25	*(26.5)	2.0	*(26.1)	*(20.5)	*(26.5)	*(26.0)	*(26.0)	6.6					
35	0	11.4	46.4	9.3	51.9	9.0	87.4	10.7	48.2	13.9	74.0	27.2	161
	5		38.1		34.3		27.4		29.1		52.9		68.3
	10		29.7		14.0		16.0		16.2		24.7		36.2
	15		15.2		8.6		7.9		11.0		13.6		22.0
	20		8.2		4.7		4.3		6.8		9.0		13.5
25	*(31.0)	4.0	*(30.1)	*(24.0)	*(30.3)	*(30.0)	*(29.4)	10.2					
40	0	12.2	52.9	9.9	55.8	9.6	80.8	11.5	52.0	14.8	79.8	29.1	173
	5		44.8		40.6		39.2		38.7		57.9		79.2
	10		35.8		17.6		21.3		20.2		31.4		43.4
	15		20.4		11.6		11.2		13.1		18.9		28.4
	20		11.5		6.6		6.8		8.6		13.0		18.8
25	7.1	4.8	4.5	5.5	8.0	12.2							
30	*(34.0)	3.1	*(34.4)	*(27.0)	*(34.3)	*(34.4)	*(33.4)	9.7					
45	0	12.9	56.4	10.5	66.9	10.2	77.1	12.2	54.8	15.7	85.9	30.8	194
	5		48.1		42.1		48.7		42.5		62.8		97.4
	10		38.5		20.7		27.2		23.4		38.3		51.2
	15		29.0		12.8		14.7		16.1		23.2		33.9
	20		14.9		8.9		9.1		11.1		15.7		23.4
25	9.5	5.1	6.5	7.2	11.3	16.2							
30	6.0	4.1	3.5	4.8	7.0	12.9							
35	*(38.0)	2.5	*(38.4)	*(31.0)	*(38.7)	*(38.7)	*(37.5)	9.1					
50	0	13.6	58.1	11.1	64.9	10.7	83.8	12.8	61.1	16.6	87.7	32.5	195
	5		51.9		48.7		49.6		48.3		66.4		109
	10		43.0		23.8		32.2		27.0		42.3		59.0
	15		35.7		16.1		17.7		19.3		25.6		41.4
	20		20.3		10.3		11.2		13.7		16.1		28.2
25	13.6	8.3	7.5	10.0	12.7	18.9							
30	9.2	4.6	4.8	6.8	8.6	13.9							
35	6.0	4.3		4.5	5.3	9.8							
40	*(42.8)	2.8	*(42.3)	*(36.0)	*(42.1)	*(43.9)	*(41.9)	6.7					

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Injector INLET	Injector OUTLET	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH
60	0	14.9	59.3	12.1	71.3	11.7	120	14.1	73.0	18.2	91.5	35.6	214
	5		57.4		54.9		58.2		57.0		76.3		150
	10		49.4		33.4		45.1		37.3		57.5		75.5
	15		44.1		20.2		23.0		24.7		34.5		52.5
	20		35.0		14.6		16.3		18.1		24.3		39.6
	30		15.5		7.8		8.7		10.7		14.0		20.7
	35		10.4		5.7		6.5		7.9		10.3		16.8
	40		8.0		4.3		3.0		5.6		7.3		11.9
	45		*(50.0)		4.8		*(51.2)		2.4		*(43.0)		*(51.5)
70	0	16.1	59.9	13.1	77.0	12.7	135	15.2	73.6	19.6	100	38.5	241
	5		59.8		60.1		63.5		62.7		81.7		189
	10		54.7		40.7		46.3		49.3		67.5		100
	15		49.6		25.5		29.9		32.0		46.3		67.1
	20		46.3		19.1		22.5		22.9		31.8		47.7
	30		22.3		11.2		12.8		14.9		19.6		27.4
	40		13.5		6.7		7.6		9.2		12.4		18.0
	45		9.8		5.0		5.3		6.9		8.7		12.5
	50		7.5		4.1				4.7		7.0		12.0
55	*(58.3)	4.2	*(58.3)	2.1	*(51.0)	*(60.0)	*(58.9)	4.5	*(56.7)	11.0			
80	0	17.3	61.0	14.0	81.2	13.5	154	16.2	76.3	21.0	105	41.1	249
	5		60.1		65.0		61.1		67.3		89.6		198
	10		58.0		49.9		55.2		55.9		74.8		108
	15		54.1		31.0		34.2		38.1		57.7		72.4
	20		51.6		23.1		28.7		27.8		39.5		58.8
	30		34.1		14.1		16.2		19.0		24.7		37.5
	40		18.3		9.0		10.1		11.6		17.0		23.8
	50		11.7		5.8		6.2		7.4		10.1		15.0
	60		6.2		3.8				4.0		6.3		12.4
65	*(67.0)	3.5	*(67.5)	2.3	*(57.0)	*(67.5)	*(68.5)	4.5	*(70.1)	8.8			
90	0	18.3	61.9	14.8	85.3	14.4	168	17.2	87.9	22.3	112	43.6	262
	5		62.0		69.6		68.3		69.8		96.3		208
	10		61.7		56.4		61.6		61.1		81.7		139
	20		56.2		26.9		35.0		33.1		48.8		71.3
	30		48.2		17.3		19.7		22.6		29.4		47.3
	40		25.2		12.1		13.0		16.0		20.8		31.5
	50		16.4		7.9		8.8		9.9		14.9		21.9
	60		11.0		5.1		4.6		7.2		9.1		12.9
	70		5.7		3.4				4.4		5.8		7.1
75	*(76.0)	3.6	*(75.6)	2.1	*(66.0)	*(76.4)	*(76.9)	4.2	*(73.1)				
100	0	19.3	62.0	15.6	88.6	15.1	184	18.2	90.9	23.5	116	46.0	279
	5		62.8		72.4		73.4		76.1		103		231
	10		61.5		62.8		65.1		67.3		87.7		166
	20		58.3		30.9		42.5		39.0		62.8		80.8
	30		52.6		20.3		24.1		27.7		37.1		55.1
	40		35.7		14.5		15.9		19.2		25.7		38.3
	50		20.8		10.0		11.3		13.3		18.0		26.6
	60		14.5		7.2		7.8		9.7		12.6		19.2
	70		9.6		5.1				6.9		8.3		17.4
80	*(85.0)	4.9	*(84.5)	2.9	*(73.0)	*(85.1)	*(86.0)	5.5	*(81.3)	13.3			
120	0	21.1	63.3	17.1	98.1	16.6	209	19.9	93.9	25.7	124	50.4	295
	5		63.5		81.0		79.8		81.7		110		248
	10		63.2		70.8		73.2		71.7		97.9		216
	20		62.6		41.9		52.7		48.3		77.7		107
	30		57.2		26.1		28.5		33.4		46.9		71.0
	40		55.0		19.2		21.4		23.9		33.6		53.3
	50		34.4		14.5		16.8		16.0		25.0		39.6
	60		22.6		10.8		11.6		13.4		19.1		29.3
	70		16.6		7.8		9.9		10.0		14.1		20.5
	80		11.8		5.7		3.8		7.7		10.2		19.8
	90		7.3		4.6				5.5		6.7		16.1
100	*(102)		*(101)	2.5	*(85.0)	*(103)	*(102)	5.1	*(98.4)				

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

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# Injector Performance Table

Performance Data for **Plastic Injectors ONLY**



REV 2016-12

Operating Pressure PSIG		Model 1584 1½" Threads		Model 1585X 1½" Threads		Model 1587 1½" Threads		Model 2081 2" Threads		Model 3090 3" Threads		Model 4091 4" Threads		
Injector INLET	Injector OUTLET	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	
5	0	18.0	47.0	10.3	56.3	17.0	65.9	31	106	76	270	146	936	
	1		40.0		12.0		21.8						408	
	2		31.8		6.9		15.6						156	
	3		20.5				8.7						60	
	4		10.6											
		*(4.1)		*(3.5)		*(4.1)		*(4.1)		*(4.1)				
10	0	25.5	98.0	14.5	64.9	24.0	127	43	230	106	412	189	1,626	
	2		72.4		20.0		61.1						123	257
	5		37.1		11.6		21.6						44	85
	7		20.5				9.7							42
	8		12.6				5.0							
		*(8.5)		*(6.5)		*(8.7)		*(9.0)		*(8.5)				
15	0	31.2	144	17.8	117	29.4	153	54	434	129	797	230	2,436	
	5		71.7		18.7		42.6						87	191
	7		45.7		11.6		26.7						57	
	10		23.8				13.7							115
	12		9.3				9.0							57
		*(13.0)		*(9.4)		*(13.5)		*(13.3)		*(13.5)				
20	0	36.1	170	20.6	130	33.9	173	61	568	149	1,076	267	2,772	
	5		102		31.1		64.2						141	327
	10		41.0		12.7		25.5						62	120
	12		31.1		6.4		18.7						45	87
	15		12.6				12.0							48
		*(17.0)		*(12.7)		*(17.5)		*(17.0)		*(17.0)				
25	0	40.3	185	23.0	145	37.9	195	68	660	167	1,308	296	3,252	
	5		128		48.5		91.0						229	519
	10		65.7		20.2		43.4						94	197
	15		33.1		8.0		19.0						49	94
	20		12.0				9.8							46
		*(21.5)		*(15.4)		*(22.1)		*(22.3)		*(21.5)				
30	0	44.2	194	25.2	169	41.5	230	75	719	183	1,483	324	3,768	
	5		152		60.8		114						329	903
	10		99.4		25.7		54.8						129	278
	15		54.3		14.7		30.0						78	146
	20		28.5				17.4						44	83
25	10.0		10.1		44									
		*(26.0)		*(19.3)		*(25.6)		*(26.0)		*(25.5)				
35	0	47.7	206	27.2	175	44.9	230	80	778	197	1,644	351	3,702	
	5		173		78.1		143						449	1,259
	10		123		34.2		70.8						190	378
	15		72.4		20.6		41.6						105	214
	20		39.7		10.5		27.0						65	118
25	22.5		18.7		77									
		*(30.5)		*(22.4)		*(29.0)		*(30.5)		*(29.5)				
40	0	51.0	212	29.1	177	48.0	255	86	807	211	1,771	374	4,038	
	5		188		87.4		189						562	1,298
	10		147		45.3		86.8						244	489
	15		98.7		24.9		52.4						137	288
	20		59.7		16.6		36.2						93	175
25	38.4	2.6	26.7	62	107									
30	21.8		17.1		40									
		*(35.0)		*(25.5)		*(33.2)		*(33.5)		*(32.5)				
45	0	54.1	222	30.8	229	50.9	267	92	838	223	1,885	397	4,302	
	5		197		105		207						688	1,470
	10		157		51.1		91.1						286	607
	15		111		32.5		58.8						179	351
	20		73.7		21.6		39.9						112	230
25	49.7	12.2	28.2	85	147									
30	32.4		18.8	54	92									
35	21.2		15.1		64									
		*(39.5)		*(28.7)		*(38.3)		*(38.0)		*(36.0)				
50	0	57.0	226	32.5	203	53.6	269	96	867	236	1,975	419	4,494	
	5		207		129		222						635	1,625
	10		175		56.6		111						343	765
	15		133		38.1		70.6						228	431
	20		96.6		27.4		51.7						146	294
25	68.3	17.5	37.3	95	201									
30	47.0	6.3	22.7	71	136									
35	31.8		19.6	51	92									
40	18.5		14.4		61									
		*(42.5)		*(32.4)		*(41.0)		*(41.5)		*(40.5)				

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

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# Injector Performance Table

Performance Data for **Plastic Injectors ONLY**



REV 2017-08

## Air Suction Capacity

Operating Pressure PSIG		Model 1584 1½" Threads		Model 1585X 1½" Threads		Model 1587 1½" Threads		Model 2081 2" Threads		Model 3090 3" Threads		Model 4091 4" Threads	
Injector INLET	Injector OUTLET	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH
60	0	62.5	238	35.6	232	58.7	306	106	906	257	2,150	457	4,764
	5		219		182		250		825		1,900		3,480
	10		190		77.7		161		527		1,365		3,156
	15		157		51.6		96.0		315		597		1,158
	20		120		35.6		71.7		227		420		834
	30		68.3		18.5		40.4		114		220		528
	35		53.0		10.1		31.9		88		156		378
	40		37.1				23.3		62		115		258
	45		25.8				21.8		47		86		168
	*(51.5)		*(38.2)		*(49.9)		*(50.0)		*(49.0)				
70	0	67.5	244	38.5	261	114	918	114	918	277	2,245	494	4,836
	5		232		213		882		2,245		3,810		
	10		207		90.3		687		1,870		3,396		
	15		179		59.9		390		794		1,602		
	20		150		46.4		298		550		1,074		
	30		91.9		26.9		170		315		708		
	40		56.3		12.2		93		182		420		
	45		43.0				72		137		306		
	50		33.1				55		105		204		
55	21.2		44	79	162								
	*(60.0)		*(44.7)		*(58.5)		*(58.5)		*(58.5)				
80	0	72.2	248	41.1	276	122	912	122	912	297	2,320	530	4,878
	5		239		233		807		2,110		4,008		
	10		222		120		514		1,210		3,960		
	15		199		79.3		385		707		2,880		
	20		174		59.0		232		422		1,266		
	30		117		34.4		126		255		822		
	40		79.7		22.2		85		153		570		
	50		49.0		1.4		51		95		324		
	60		27.8				42		78		180		
65	17.9				144								
	*(68.0)		*(51.1)		*(66.5)		*(67.5)		*(67.5)				
90	0	76.5	250	43.6	291	129	925	129	925	315	2,295	315	4,878
	5		246		234		788		2,000		3,810		
	10		234		138		450		863		3,396		
	20		193		65.8		300		517		2,880		
	30		142		41.9		188		332		1,602		
	40		98.0		27.6		112		210		1,074		
	50		68.3		13.2		77		127		708		
	60		46.3				48		88		420		
	70		26.5				40		70		306		
75	17.9				204								
	*(77.0)		*(57.5)		*(75.8)		*(76.5)		*(76.5)				
100	0	80.7	252	46.0	318	137	930	137	930	332	2,296	332	4,878
	5		252		250		812		2,100		4,008		
	10		245		188		533		1,130		3,396		
	20		208		76.8		357		625		2,880		
	30		168		51.5		242		424		1,602		
	40		122		33.5		144		277		1,074		
	50		89.2		21.8		96		174		708		
	60		61.7		7.1		70		123		420		
	70		42.4				46		85		306		
80	25.2				204								
	*(86.0)		*(63.2)		*(82.0)		*(85.0)		*(85.0)				
120	0	88.4	260	50.4	337	150	929	150	929	363	2,345	363	4,878
	5		257		262		820		2,220		3,810		
	10		255		234		680		1,600		3,396		
	20		237		100		482		840		2,880		
	30		208		64.9		348		599		2,466		
	40		169		46.2		253		427		1,602		
	50		130		35.5		166		296		1,074		
	60		98.7		22.2		110		202		708		
	70		75.7		8.3		85		143		420		
	80		55.0				60		105		306		
	90		37.1				43		83		204		
100	21.8				162								
	*(103)		*(75.3)		*(100.4)		*(102.0)		*(102.0)				

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# Injector Performance Table

Performance Data for **Plastic Injectors ONLY**



REV 2014

Operating Pressure kg/cm <sup>2</sup>		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		1.4		
	0.21						<0.10		0.22		0.47		
	0.28		*(0.25)		*(0.27)		<0.10		*(0.25)		*(0.31)		*(0.30)
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		4.4		
	0.35				0.16		0.34		0.54		1.7		
	0.49						0.16		0.18		0.71		
	0.56		*(0.54)		*(0.58)		<0.10		*(0.53)		*(0.59)		*(0.60)
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		3.3		
	0.49				0.28		0.61		0.72		2.0		
	0.70						0.28				1.0		
	0.84		*(0.81)		*(0.91)		0.12		*(0.61)		*(0.88)		*(0.91)
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		7.0		
	0.70				0.30		0.60		0.69		2.6		
	0.84						0.39		0.47		1.8		
	1.05		*(1.12)		*(1.16)		0.21		*(0.93)		*(1.20)		*(1.16)
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		9.2		
	0.70				0.54		0.97		0.98		3.9		
	1.05						0.33		0.60		1.7		
	1.41		*(1.37)		*(1.44)		0.16		*(1.16)		*(1.52)		*(1.48)
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		11.1		
	0.70				0.70		1.8		1.5		5.6		
	1.05				0.36		0.79		0.88		2.8		
	1.41		*(1.72)		*(1.77)		0.32		*(1.20)		*(1.79)		*(1.83)
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		12.2		
	0.70				0.85		2.5		2.2		7.7		
	1.05				0.48		1.2		1.1		4.1		
	1.41		*(1.90)		*(2.01)		0.64		*(1.65)		*(2.07)		*(2.07)
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		12.8		
	0.70		<0.25		1.0		3.5		3.4		9.9		
	1.05				0.61		1.7		1.5		5.5		
	1.41		*(2.18)		*(2.25)		0.36		*(1.84)		*(2.34)		*(2.46)
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		14.1		
	0.70		<0.25		1.3		3.9		4.2		11.1		
	1.05				0.78		2.1		1.9		7.3		
	1.41		*(2.46)		*(2.54)		0.49		*(1.78)		*(2.59)		*(2.64)
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		15.5		
	0.70		<0.25		1.6		4.2		5.5		13.4		
	1.05				0.93		2.4		2.5		9.2		
	1.41		*(2.74)		*(2.78)		0.60		*(2.04)		*(2.88)		*(2.95)
	1.76		0.43		1.3		1.1		1.1		2.3		3.7
	2.11				0.67						1.6		2.7
	2.46				0.41						1.0		1.7
	2.81				0.20						0.64		0.98
	3.16												

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

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# Injector Performance Table

Performance Data for **Plastic Injectors ONLY**



REV 2014

Operating Pressure kg/cm <sup>2</sup>		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	3.4	2.8	8.8	6.3	15.0	9.5	15.0	17.2	26.3	17.1	44.0	20.2				
	0.35				3.7				8.0				14.3		12.6		16.5
	0.70		0.5		2.0		1.3		3.6		5.5		7.7	6.4	9.9	6.4	13.0
	1.05		<0.25		0.85		0.45		2.4		1.1		2.4	1.3	4.7	2.6	8.1
	1.41				0.26		0.76		0.59						2.0	2.0	4.4
	2.11														1.3	1.3	2.4
	2.46														0.96	0.96	1.5
	2.81																
	3.16		*(3.30)		*(3.33)		*(3.57)		*(2.43)		*(3.76)		*(3.52)				
	3.16																
4.92	0.00	3.7	3.3	9.5	6.8	16.2	9.7	16.2	18.7	28.4	17.2	47.6	20.2				
	0.35				4.5				8.7				14.9		13.5		18.6
	0.70		0.7		2.6		1.7		4.7		7.1		8.1	11.1	8.1	11.1	16.6
	1.05		<0.25		1.1		0.63		3.3		1.7		3.5	1.7	6.0	3.8	6.4
	1.41				0.41		1.0		1.1		1.1		1.1	2.2	3.8	2.2	3.8
	2.11														1.8	1.8	2.8
	2.81														1.2	1.2	2.1
	3.16														0.82	0.82	1.3
	3.52		*(3.87)		*(3.68)		*(4.11)		*(2.86)		*(4.43)		*(4.10)				
	3.87																
5.62	0.00	4.0	3.3	10.1	7.5	17.3	10.1	17.3	19.0	30.3	17.9	50.9	20.2				
	0.35				5.3				9.4				18.0		14.6		19.7
	0.70				3.1		1.5		7.5		4.0		7.5	10.3	7.5	10.3	16.2
	1.05		<0.25		2.2		0.88		5.5		2.3		4.7	2.3	4.9	3.3	8.0
	1.41				1.5		0.58		4.0		1.4		4.7	1.4	3.3	3.3	5.1
	2.11				0.40		0.78		4.0		0.78		4.7	1.0	2.1	2.1	3.1
	2.81						0.43		4.0		0.43		4.7	1.0	1.2	1.2	2.0
	3.52														0.83	0.83	1.4
	4.22		*(4.43)		*(4.35)		*(4.64)		*(3.65)		*(5.10)		*(4.71)				
	4.57																
6.33	0.00	4.2	3.3	10.7	8.1	18.4	10.3	18.4	20.1	32.2	18.2	53.9	20.3				
	0.35				6.0				9.6				18.7		15.4		19.9
	0.70				3.6		1.9		8.3		4.8		7.5	9.3	9.3	9.3	16.2
	1.05		0.5		1.9		1.0		4.8		2.9		3.4	6.1	6.1	6.1	11.6
	1.41		<0.25		0.73		2.0		2.9		2.0		2.1	4.1	4.1	4.1	6.9
	2.11				0.51		1.2		2.0		1.2		1.3	2.7	2.7	2.7	4.7
	2.81				0.38		0.75		2.0		0.75		1.3	1.8	1.8	1.8	3.3
	3.52						0.41		2.0		0.41		1.3	1.0	1.0	1.0	1.9
	4.22														0.84	0.84	1.4
	4.92		*(4.99)		*(4.99)		*(5.20)		*(3.81)		*(5.66)		*(5.34)				
5.27																	
7.03	0.00	4.4	3.3	11.3	8.4	19.3	10.3	19.3	20.9	33.9	18.5	56.9	20.5				
	0.35				6.5				9.8				20.1		16.6		20.3
	0.70				4.2		2.2		8.9		5.7		7.2	10.9	10.9	10.9	18.0
	1.05		0.5		2.2		1.2		5.7		3.6		8.8	4.8	6.8	6.8	15.5
	1.41		<0.25		0.91		0.91		3.6		2.5		4.8	2.8	5.1	5.1	8.5
	2.11				0.67		0.67		2.5		1.6		2.8	1.8	3.6	3.6	6.1
	2.81				0.51		0.51		1.6		1.0		1.8	1.8	2.4	2.4	4.4
	3.52				0.37		0.37		1.0		0.37		1.8	1.8	1.6	1.6	3.1
	4.22														0.96	0.96	1.8
	4.92		*(5.55)		*(5.52)		*(5.83)		*(4.19)		*(6.33)		*(5.98)				
5.62																	
8.44	0.00	4.8	3.3	12.4	9.2	21.2	10.7	21.2	23.0	37.1	19.0	62.3	20.7				
	0.35				7.2				10.3				22.2		18.1		20.4
	0.70				5.2		2.9		9.9		7.2		12.3	13.0	15.8	13.0	20.0
	1.05				2.9		1.8		7.2		5.0		7.0	7.0	8.7	8.7	18.8
	1.41		<0.25		1.2		1.2		5.0		3.6		3.9	6.5	6.5	6.5	18.1
	2.11				0.95		0.95		3.6		2.7		2.6	5.1	5.1	5.1	12.8
	2.81				0.72		0.72		2.7		1.9		1.9	3.6	3.6	3.6	8.5
	3.52				0.58		0.58		1.9		1.3		1.4	2.9	2.9	2.9	6.4
	4.22				0.47		0.47		1.3		0.95		1.4	2.0	2.0	2.0	5.1
	4.92														1.4	1.4	2.8
5.62	*(6.68)	*(6.81)	*(7.01)	*(5.00)	*(7.52)	*(7.17)											
6.33																	
7.03																	

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

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500 Rooster Drive, Bakersfield, CA 93307-9555 USA

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# Injector Performance Table

Performance  
Data for **Plastic**  
Injectors **ONLY**

REV 2014

Operating Pressure kg/cm <sup>2</sup>		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	16.3	5.5	13.2	7.0	12.8	8.6	15.4	8.7	19.9	11.4	38.9	18.6
	0.07		4.6		2.5		4.2		2.4		3.0		8.0
	0.14		2.2		0.73		0.69		0.86		1.2		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)
0.70	0.00	23.1	9.1	18.7	16.0	18.1	12.7	21.7	14.1	28.1	18.9	55.0	40.2
	0.14		7.4		4.0		7.1		5.2		7.6		12.2
	0.35		2.7		1.3		0.87		1.4		1.9		3.9
	0.49		0.94		0.42				0.60		0.73		1.9
	0.56		*(0.63)		0.44		*(0.61)		*(0.53)		*(0.63)		*(0.57)
1.05	0.00	28.3	13.6	22.9	17.0	22.2	18.1	26.6	17.9	34.4	22.9	67.4	54.2
	0.35		7.8		3.5		3.7		4.1		6.1		10.2
	0.49		4.1		1.8		1.6		2.6		3.7		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)		*(0.92)
1.41	0.00	32.7	15.9	26.5	20.9	25.6	22.2	30.8	20.8	39.7	25.9	77.8	62.8
	0.35		10.0		5.9		6.4		6.8		10.4		16.8
	0.70		3.8		2.0		1.7		2.8		4.0		7.0
	0.84		2.3		1.2				1.9		2.6		4.4
	1.05		*(1.23)		1.1		*(1.16)		*(0.98)		*(1.18)		*(1.22)
1.76	0.00	36.5	18.9	29.6	21.1	28.7	26.9	34.4	22.6	44.4	28.7	87.0	65.8
	0.35		13.7		8.2		13.1		8.8		15.7		23.0
	0.70		6.6		3.2		3.3		4.1		6.7		11.1
	1.05		1.5		1.6		1.3		2.1		3.5		5.5
	1.41		*(1.57)		0.58		*(1.48)		*(1.20)		*(1.46)		*(1.54)
2.11	0.00	40.0	22.7	32.5	24.0	31.4	31.5	37.7	23.5	48.7	33.3	95.3	74.7
	0.35		15.3		12.3		21.8		12.5		21.9		26.7
	0.70		9.6		5.3		5.8		5.9		9.6		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)	0.98	*(1.84)	*(1.44)	*(1.86)	*(1.83)	*(1.83)						
2.46	0.00	43.2	21.9	35.1	24.5	33.9	41.2	40.7	22.7	52.6	34.9	103	76.1
	0.35		17.9		16.2		12.9		13.7		24.9		32.2
	0.70		14.0		6.6		7.5		7.6		11.6		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)	*(1.69)	*(2.13)	*(2.11)	*(2.07)						
2.81	0.00	46.2	25.0	37.5	26.3	36.3	38.1	43.5	24.5	56.2	37.7	110	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		9.6		5.5		5.3		6.2		8.9		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)	*(1.90)	*(2.41)	*(2.42)	*(2.35)						
3.16	0.00	49.0	26.6	39.7	31.5	38.5	36.4	46.1	25.8	59.6	40.5	117	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		7.0		4.2		4.3		5.2		7.4		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)	*(2.18)	*(2.72)	*(2.72)	*(2.64)						
3.52	0.00	51.6	27.4	41.9	30.6	40.5	39.5	48.6	28.8	62.8	41.4	123	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		9.6		4.9		5.3		6.4		7.6		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)	*(2.53)	*(2.96)	*(3.09)	*(2.95)						

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

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# Injector Performance Table

Performance Data for **Plastic Injectors ONLY**



REV 2014

Air Suction Capacity (METRIC)													
Operating Pressure kg/cm <sup>2</sup>		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
4.22	0.00	56.6	28.0	45.9	33.6	44.4	56.8	53.3	34.5	68.8	43.1	135	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
	1.41		16.5		6.9		7.7		8.5		11.5		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		2.3		1.1		1.1		1.7		2.1		4.9
	*(3.52)		*(3.60)		*(3.02)		*(3.62)		*(3.59)		*(3.47)		
4.92	0.00	61.1	28.3	49.6	36.3	48.0	63.9	57.5	34.7	74.3	47.4	146	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
	1.41		21.8		9.0		10.6		10.8		15.0		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	1.9	1.0		1.3	2.1	5.2							
	*(4.10)		*(4.10)		*(3.59)		*(4.22)		*(4.14)		*(3.99)		
5.62	0.00	65.3	28.7	53.0	38.3	51.3	72.9	61.5	36.0	79.5	49.8	156	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
	1.41		24.3		10.9		13.5		13.1		18.6		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	1.6	1.1		1.7	2.1	4.1							
	*(4.71)		*(4.75)		*(4.01)		*(4.75)		*(4.82)		*(4.92)		
6.33	0.00	69.3	29.2	56.2	40.2	54.4	79.3	65.2	41.4	84.3	53.2	165	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
	2.11		22.7		8.1		9.3		10.6		13.8		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	1.7	1.0		1.7	2.0								
	*(5.34)		*(5.32)		*(4.64)		*(5.37)		*(5.41)		*(5.14)		
7.03	0.00	73.0	29.2	59.3	41.85	57.3	87.3	68.8	42.9	88.8	55.0	174	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
	2.11		24.8		9.5		11.3		13.0		17.5		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	2.3	1.3		2.1	2.6	6.3							
	*(5.98)		*(5.94)		*(5.13)		*(5.98)		*(6.05)		*(5.72)		
8.44	0.00	80.0	29.9	64.9	46.3	62.8	98.8	75.3	44.3	97.3	58.8	191	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
	2.11		27.0		12.3		13.4		15.7		22.1		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		1.1		1.8	2.4								
	*(7.17)		*(7.14)		*(5.98)		*(7.24)		*(7.17)		*(6.92)		

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

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**Mazzei**

# Injector Performance Table

Performance Data for Plastic Injectors ONLY

## Air Suction Capacity (METRIC) REV 2016-12

Operating Pressure kg/cm <sup>2</sup>		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	117	50.0	287	128	553	441
	0.07		18.8		5.6		10.3						192
	0.14		15.0		3.2		7.4						73.6
	0.21		9.7				4.1						28.3
	0.28		5.0										
	*(0.29)		*(0.25)		*(0.29)	*(0.29)		*(0.29)		*(0.29)			
0.70	0.00	96.6	46.2	55.0	30.6	90.8	60.3	164	109	402	194	715	767
	0.14		34.1		9.4		28.8		305				
	0.35		17.5		5.5		10.2		76.4				
	0.49		9.7				4.6		31.1				
	0.56		5.9				2.3						
	*(0.60)		*(0.46)		*(0.61)	*(0.63)		*(0.63)		*(0.60)			
1.05	0.00	118	67.9	67.4	55.3	111	72.5	205	205	490	376	871	1,149
	0.35		33.8		8.8		20.1		198				
	0.49		21.5		5.5		12.6		110				
	0.70		11.2				6.4		50.9				
	0.84		4.4				4.2						
	*(0.91)		*(0.66)		*(0.95)	*(0.94)		*(0.95)		*(0.95)			
1.41	0.00	137	80.2	77.8	61.7	128	81.6	233	268	566	508	1,011	1,308
	0.35		48.2		14.6		30.3		351				
	0.70		19.3		6.0		12.0		124				
	0.84		14.7		3.0		8.8		79.2				
	1.05		5.9				5.6		42.4				
	*(1.20)		*(0.89)		*(1.20)	*(1.23)		*(1.23)		*(1.20)			
1.76	0.00	153	87.3	87.0	68.6	143	92.3	259	312	632	617	1,120	1,534
	0.35		60.8		22.9		42.9		498				
	0.70		31.0		9.5		20.5		203				
	1.05		15.6		3.8		9.0		96.2				
	1.41		5.6				4.6		39.6				
	*(1.51)		*(1.08)		*(1.55)	*(1.57)		*(1.57)		*(1.51)			
2.11	0.00	167	91.5	95.3	79.8	157	108	285	339	693	700	1,226	1,778
	0.35		72.1		28.7		54.0		920				
	0.70		46.9		12.1		25.8		297				
	1.05		25.6		6.9		14.1		150				
	1.41		13.4				8.2		82.1				
	*(1.83)		*(1.36)		*(1.80)	*(1.83)		*(1.83)		*(1.79)			
2.46	0.00	181	97.2	103	82.8	170	108	304	367	745	776	1,329	1,747
	0.35		81.8		36.9		67.7		1,098				
	0.70		58.2		16.1		33.4		362				
	1.05		34.1		9.7		19.6		223				
	1.41		18.7		4.9		12.7		127				
	*(2.14)		*(1.58)		*(2.04)	*(2.14)		*(2.14)		*(2.07)			67.9
2.81	0.00	193	100	110	83.5	181	120	328	381	800	836	1,416	1,905
	0.35		89.0		41.2		89.5		1,257				
	0.70		69.7		21.3		40.9		453				
	1.05		46.6		11.7		24.7		294				
	1.41		28.1		7.8		17.0		189				
	*(2.46)		*(1.79)		*(2.33)	*(2.36)		*(2.36)		*(2.28)			116
3.16	0.00	205	104	117	108	193	126	347	396	846	890	1,503	2,030
	0.35		93.2		49.7		98.1		1,353				
	0.70		74.4		24.1		43.0		557				
	1.05		52.4		15.3		27.7		348				
	1.41		34.8		10.1		18.8		246				
	*(2.78)		*(2.02)		*(2.88)	*(2.67)		*(2.67)		*(2.53)			161
3.52	0.00	216	106	123	96.1	203	127	365	409	893	932	1,586	2,120
	0.35		98.1		61.1		104		1,458				
	0.70		82.8		26.7		52.6		764				
	1.05		62.8		17.9		33.3		402				
	1.41		45.6		12.9		24.4		305				
	*(2.99)		*(2.28)		*(2.88)	*(2.92)		*(2.92)		*(2.85)			212
	2.11		22.2	3.0		10.7		44.8		95.1			141
	2.46		15.0			9.2		24.1		43.5			87.7
	2.81		8.7			6.8				28.7			

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

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# Injector Performance Table

Performance Data for **Plastic Injectors ONLY**



REV 2016-12

Operating Pressure kg/cm <sup>2</sup>		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	400	428	974	1,015	1,730	2,248
	0.35		103		85.9		118		389		897		1,642
	0.70		90.1		36.7		76.4		249		644		1,489
	1.05		74.4		24.3		45.3		149		282		546
	1.41		56.9		16.8		33.8		107		198		393
	2.11		32.2		8.7		19.0		53.8		104		249
	2.46		25.0		4.7		15.0		41.5		73.6		178
	2.81		17.5				11.0		29.3		54.3		121
	3.16		12.2				10.3		22.2		40.6		79.2
	*(3.62)		*(2.69)		*(3.51)		*(3.52)		*(3.44)				
4.92	0.00	255	115	146	123	432		432	433	1,050		1,870	2,282
	0.35		109		100				416		1,060		1,798
	0.70		98.1		42.6				324		883		1,602
	1.05		84.5		28.3				184		375		756
	1.41		71.1		21.9				141		260		506
	2.11		43.4		12.6				80.2		149		334
	2.81		26.6		5.8				43.9		85.9		198
	3.16		20.3						34.0		64.7		144
	3.52		15.6						26.0		49.6		96.2
3.87	10.0			20.8	37.3	76.4							
	*(4.22)		*(3.14)		*(4.11)		*(4.11)		*(4.11)				
5.62	0.00	273	117	156	130	464		464	431	1,126		2,006	2,302
	0.35		113		110				381		1,095		1,891
	0.70		105		56.7				243		996		1,868
	1.05		94.2		37.4				182		571		1,359
	1.41		82.2		27.8				110		334		597
	2.11		55.3		16.2				59.5		199		387
	2.81		37.6		10.4				40.1		120		269
	3.52		23.1		0.69				24.1		72.2		152
	4.22		13.1						19.8		44.8		84.9
4.57	8.4				36.8	67.9							
	*(4.78)		*(3.59)		*(4.68)		*(4.75)		*(4.75)				
6.33	0.00	290	118	165	137	490		490	437	1,194		1,194	
	0.35		116		110				372		1,083		
	0.70		110		65.2				212		944		
	1.41		91.4		31.0				142		407		
	2.11		67.1		19.7				88.7		244		
	2.81		46.2		13.0				52.9		157		
	3.52		32.2		6.2				36.3		99.1		
	4.22		21.8						22.7		59.9		
	4.92		12.5						18.9		41.5		
5.27	8.4				33.0								
	*(5.41)		*(4.04)		*(5.33)		*(5.38)		*(5.38)				
7.03	0.00	305	118	174	150	519		519	439	1,258		1,258	
	0.35		119		118				383		1,084		
	0.70		115		89.0				252		991		
	1.41		98.4		36.2				169		533		
	2.11		79.4		24.3				114		295		
	2.81		57.5		15.8				68.0		200		
	3.52		42.1		10.3				45.3		131		
	4.22		29.1		3.3				33.0		82.1		
	4.92		20.0						21.7		58.1		
5.62	11.8				40.1								
	*(6.05)		*(4.44)		*(5.77)		*(5.98)		*(5.98)				
8.44	0.00	334	122	191	159	568		568	439	1,376		1,376	
	0.35		121		123				387		1,107		
	0.70		120		110				321		1,048		
	1.41		112		47.3				228		755		
	2.11		98.4		30.6				164		397		
	2.81		80.1		21.8				119		283		
	3.52		61.5		16.7				78.4		202		
	4.22		46.6		10.4				51.9		140		
	4.92		35.7		3.9				40.1		95.3		
5.62	25.9			28.3	67.5								
6.33	17.5			20.3	49.6								
7.03	10.3				39.2								
	*(7.24)		*(5.29)		*(7.06)		*(7.17)		*(7.17)				

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