

Injector Performance Table

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

REV 2014

Operating Pressure PSIG		Model 283 ½" Threads		Model 287 ½" Threads		Model 384 ½" Threads		Model 384X ½" Threads		Model 484 ½" & ¾" Threads		Model 484X ¾" Threads	
Injector INLET	Injector OUTLET	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH
5	0	0.17	3.2	0.29	5.2	0.71	10.3	0.71	11.7	1.2	14.6	1.2	23.5
	1		2.0		2.6		8.7		8.6		10.4		16.6
	2		1.1		1.8		7.4		4.0		6.6		11.9
	3				1.2		5.0						7.3
	4		*(3.5)		*(3.5)		*(3.9)		*(2.9)		*(4.4)		*(3.5)
10	0	0.24	4.7	0.32	6.2	1.0	15.3	1.0	17.5	1.7	18.7	1.7	29.7
	2		2.8		4.8		11.5		13.5		13.9		23.0
	5		1.2		1.9		7.6		2.0		6.0		11.8
	7				0.8		2.0				2.7		3.7
	8		*(7.0)		*(7.7)		*(8.2)		*(6.6)		*(8.4)		*(7.5)
15	0	0.28	5.4	0.42	6.8	1.2	13.3	1.2	27.7	2.1	18.7	2.1	38.6
	5		2.7		4.1		11.3		11.7		11.4		20.9
	7		1.7		2.9		8.4		4.1		8.2		15.6
	10				1.3		4.8						
	12		*(10.5)		*(11.5)		*(12.9)		*(9.6)		*(12.5)		*(8.7)
20	0	0.32	5.8	0.51	7.0	1.4	13.0	1.4	29.6	2.4	18.0	2.4	39.5
	5		3.7		6.1		13.1		17.1		15.6		27.6
	10		2.0		3.4		9.2		3.0		9.4		13.3
	12		0.6		1.9		6.3				7.7		8.4
	15		*(15.0)		*(16.0)		*(16.5)		*(12.4)		*(17.0)		*(13.2)
25	0	0.35	5.9	0.57	7.8	1.6	14.1	1.6	33.1	2.7	17.8	2.7	39.5
	5		4.8		6.9		14.2		22.4		17.2		32.1
	10		2.6		4.4		12.7		11.2		13.7		22.0
	15		0.7		2.3		6.6				7.4		9.9
	20		*(18.5)		*(19.5)		*(20.5)		*(15.0)		*(21.6)		*(16.5)
30	0	0.39	6.0	0.65	8.0	1.7	14.1	1.7	33.8	2.9	17.2	2.9	39.7
	5		5.8		7.9		14.4		24.6		17.0		38.1
	10		3.8		5.6		13.8		17.3		16.6		28.8
	15		2.4		3.6		10.7		6.9		11.2		17.0
	20		0.8		1.7		4.5				7.0		
25	*(22.5)	*(24.5)	*(25.2)	*(18.0)	*(25.5)	*(17.2)							
35	0	0.41	6.0	0.70	8.1	1.9	14.4	1.9	33.7	3.1	17.3	3.1	40.3
	5		6.0		8.0		14.4		29.0		17.3		39.3
	10		4.8		6.8		14.4		19.1		17.3		33.8
	15		3.4		5.0		13.7		10.7		17.3		24.2
	20		1.7		3.0		9.4				11.1		14.7
25	*(26.0)	*(27.0)	*(28.6)	*(20.8)	*(29.5)	*(23.5)							
40	0	0.43	6.0	0.75	8.1	2.0	14.1	2.0	33.9	3.4	17.1	3.4	40.8
	5		6.0		8.1		14.1		31.5		17.7		38.6
	10		5.5		7.4		13.9		24.1		17.7		38.5
	15		4.2		6.3		13.9		14.2		17.7		29.9
	20		2.6		4.3		12.6		3.5		15.2		20.6
25	1.2	2.7	7.5		11.4	6.5							
30	*(29.5)	*(31.0)	*(32.0)	*(22.8)	*(33.3)	*(26.1)							
45	0	0.46	6.0	0.81	8.1	2.1	13.7	2.1	33.9	3.6	17.2	3.6	41.4
	5		6.0		8.1		13.7		31.6		17.2		39.0
	10		5.8		8.1		13.7		30.7		17.4		37.9
	15		4.9		6.9		13.7		18.9		17.4		34.9
	20		3.4		5.5		13.7		11.0		16.7		26.9
25	2.7	4.0	12.1	1.4	13.8	18.2							
30	1.0	2.4	6.1		10.2								
35	*(33.5)	*(35.0)	*(36.1)	*(26.1)	*(36.8)	*(25.4)							
50	0	0.48	6.0	0.85	8.3	2.2	14.1	2.2	33.8	3.8	17.4	3.8	41.6
	5		6.0		8.3		14.1		32.7		17.4		40.4
	10		6.0		8.3		14.1		31.7		17.7		39.1
	15		5.7		8.0		14.1		25.3		17.7		37.3
	20		4.7		5.9		13.5		15.2		17.7		29.4
25	3.5	4.5	13.5	6.7	16.4	20.2							
30	2.1	3.0	10.1		12.7								
35	0.7	1.2	6.0		7.7								
40	*(37.0)	*(39.0)	*(39.6)	*(28.7)	*(41.0)	*(29.0)							

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

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REV 2014

Operating Pressure PSIG		Model 283 ½" Threads		Model 287 ½" Threads		Model 384 ½" Threads		Model 384X ½" Threads		Model 484 ½" & ¾" Threads		Model 484X ¾" Threads	
Injector INLET	Injector OUTLET	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH
60	0	0.54	6.0	0.92	8.3	2.5	13.7	2.5	34.3	4.1	17.7	4.1	42.4
	5		6.0		8.3		13.7		34.2		17.7		42.2
	10		6.0		7.8		13.5		34.0		17.7		38.3
	15		6.0		7.8		13.5		31.9		17.6		38.0
	20		5.7		7.8		13.4		24.1		17.6		37.5
	30		3.8		5.7		12.3		9.1		17.2		23.1
	35		2.4		4.1		11.6		1.5		15.2		
	40		1.3		2.7		8.3				12.0		
	45		*(45.5)				0.7		*(47.3)		2.4		*(35.4)
70	0	0.58	6.0	0.99	8.3	2.6	12.1	2.6	35.1	4.5	18.0	4.5	42.3
	5		6.0		8.3		12.1		35.8		18.0		42.5
	10		6.0		8.3		12.2		34.7		17.1		39.5
	15		6.0		8.3		12.1		32.9		17.1		37.2
	20		6.0		8.3		12.2		30.7		17.1		35.6
	30		5.2		7.4		12.2		17.9		17.1		31.3
	40		2.9		4.7		11.9		3.4		16.2		16.3
	45		1.9		3.5		11.0				13.4		
	50		0.9		1.7		7.5				11.3		
55	*(54.0)		*(55.0)	*(52.4)		*(41.5)		*(58.5)		*(40.7)			
80	0	0.60	6.0	1.1	8.3	2.8	11.7	2.8	34.5	4.8	16.9	4.8	42.3
	5		6.0		8.3		11.7		34.2		16.9		41.9
	10		6.0		8.3		11.6		34.6		16.9		41.8
	15		6.0		8.3		11.7		32.9		16.9		40.7
	20		6.0		8.3		11.7		31.6		16.1		40.7
	30		6.0		8.1		11.6		26.3		16.2		39.7
	40		4.5		6.4		11.6		11.7		15.7		26.9
	50		2.3		4.1		11.2				14.9		6.8
	60				0.9		6.8				6.1		
65	*(60.5)		*(63.0)	*(61.9)		*(47.2)		*(66.0)		*(51.9)			
90	0	0.65	6.0	1.1	8.3	3.0	11.1	3.0	34.8	5.1	13.6	5.1	42.2
	5		6.0		8.3		11.1		34.2		13.6		41.9
	10		6.0		8.3		11.1		34.4		13.6		40.7
	20		6.0		8.3		11.1		32.9		13.6		40.7
	30		6.0		8.3		11.1		29.6		13.6		39.4
	40		5.7		7.9		11.1		18.4		13.6		33.4
	50		3.5		5.7		11.1		4.8		13.6		26.3
	60		1.6		3.5		11.0				13.3		
	70				0.2		4.6				4.2		
75	*(68.0)		*(71.0)	*(71.0)		*(53.1)		*(74.0)		*(54.3)			
100	0	0.69	6.0	1.2	7.7	3.2	10.8	3.2	33.5	5.3	13.2	5.3	42.4
	5		6.0		7.7		11.0		33.0		13.2		41.9
	10		6.0		7.7		10.8		32.6		13.2		40.7
	20		6.0		7.7		11.0		31.8		13.2		39.6
	30		6.0		7.7		11.0		31.6		13.2		40.7
	40		6.0		7.4		10.8		29.3		13.2		34.9
	50		5.0		7.2		11.0		12.2		13.1		27.0
	60		3.0		5.2		11.0				13.3		
	70		1.2		3.0		10.4				12.8		
80	*(76.0)		*(79.0)	*(78.6)		*(59.0)		*(82.9)		*(59.7)			
120	0	0.76	6.0	1.3	6.4	3.5	10.8	3.5	33.9	5.8	12.3	5.8	45.8
	5		6.0		6.4		10.8		33.6		12.3		43.8
	10		6.0		6.4		10.8		33.1		12.3		43.2
	20		6.0		6.4		10.8		31.7		12.3		41.9
	30		6.0		6.4		10.8		30.5		12.3		40.1
	40		6.0		6.4		10.8		30.5		12.2		36.8
	50		5.6		6.1		10.8		25.1		12.2		32.0
	60		5.2		5.8		10.8		13.9		12.2		24.8
	70		3.9		4.8		10.8		2.1		12.1		20.3
	80		2.3		3.7		10.8				12.1		
	90		1.0		1.5		8.6				11.7		
100	*(93.0)		*(95.0)	*(96.8)		*(71.3)		*(99.7)		*(71.2)			

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Water Suction Capacity													
Operating Pressure PSIG		Model 584 ½" & ¾" Threads		Model 684 ¾" Threads		Model 878-03 1" Threads		Model 885X-03 1" Threads		Model 1078-03 1" Threads		Model 1583 1½" Threads	
Injector INLET	Injector OUTLET	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH
5	0	2.1	29.1	3.5	27.4	3.6	62.8	3.6	78.0	5.5	101	10.7	135
	1		28.9		20.2		36.1		62.5		46.4		84.4
	2		28.4		13.8		23.8		42.7		22.1		53.2
	3		25.3		6.6		7.3		15.5		2.7		
	4		*(4.4)		9.9		*(4.3)		5.6		*(4.1)		1.6
10	0	3.0	28.2	5.0	27.2	5.2	93.7	5.0	115	7.7	105	15.2	219
	2		28.1		27.3		61.9		90.7		75.6		143
	5		27.4		18.4		36.4		44.7		41.7		78.7
	7		13.2		10.8		15.8		19.4		19.1		42.0
	8		*(9.0)		10.9		*(8.5)		6.0		*(8.7)		3.7
15	0	3.6	28.1	6.1	26.1	6.3	87.3	6.2	135	9.5	101	18.6	225
	5		27.9		26.1		62.1		83.1		79.9		163
	7		28.0		25.0		45.4		58.0		64.6		124
	10		13.9		12.8		23.6		19.1		34.2		86.5
	12		*(13.5)		11.0		*(13.0)		7.0		*(12.5)		7.2
20	0	4.2	24.8	7.0	25.1	7.3	82.8	7.1	141	10.9	98.2	21.4	228
	5		24.8		25.2		80.4		117		95.4		205
	10		23.7		25.2		48.6		57.6		69.9		143
	12		19.1		18.4		33.6		36.1		51.5		131
	15		*(18.0)		14.5		*(16.5)		10.4		*(16.5)		21.0
25	0	4.7	25.1	7.8	24.8	8.2	82.3	8.0	142	12.2	95.9	24.0	226
	5		25.2		24.8		81.3		135		96.6		226
	10		25.1		24.9		73.2		96.5		89.4		193
	15		20.8		24.3		45.3		38.4		68.1		148
	20		*(22.0)		12.1		*(21.0)		5.1		*(21.0)		20.1
30	0	5.1	25.3	8.6	24.5	8.9	79.9	8.7	144	13.4	94.3	26.3	226
	5		25.3		24.6		79.1		140		94.4		226
	10		24.9		24.6		76.9		125		94.4		211
	15		25.1		24.5		65.3		69.3		82.0		167
	20		18.2		14.7		35.3		14.3		55.4		125
25	*(27.0)	11.5	*(26.0)	6.7	*(26.1)	9.0	*(20.5)	*(26.0)	*(26.0)	18.3			
35	0	5.5	25.5	9.3	24.7	9.7	79.3	9.4	142	14.5	93.9	28.4	226
	5		25.5		24.6		79.3		141		93.9		226
	10		25.4		24.7		77.5		135		93.9		224
	15		25.2		24.7		74.5		106		91.8		205
	20		21.9		24.9		52.3		54.1		74.1		164
25	*(31.5)	16.5	*(29.5)	12.9	*(30.1)	30.2	*(24.0)	*(30.0)	*(29.4)	89.0			
40	0	5.9	25.6	9.9	24.9	10.3	77.4	10.1	140	15.5	93.1	30.3	227
	5		25.5		25.0		77.4		141		93.1		228
	10		25.6		25.1		77.4		139		93.1		227
	15		25.5		25.0		77.4		128		93.1		220
	20		25.2		25.0		73.6		90.4		91.8		192
25	21.3	24.7	50.6	36.8	72.2	153							
30	*(35.5)	15.0	*(35.0)	10.8	*(34.4)	28.2	*(27.0)	*(34.4)	*(33.4)	81.4			
45	0	6.3	25.8	10.5	25.0	11.0	79.6	10.7	140	16.4	92.8	32.2	227
	5		25.9		25.0		79.6		139		92.8		228
	10		25.9		25.0		79.6		139		92.8		227
	15		25.8		25.0		79.6		134		92.8		223
	20		25.7		25.0		78.8		112		93.8		212
25	23.5	25.1	67.0	74.4	86.9	174							
30	19.4	20.6	44.1	23.1	66.1	113							
35	*(40.0)	13.5	*(37.5)	8.4	*(38.4)	22.0	*(31.0)	*(38.7)	*(37.5)	47.1			
50	0	6.6	25.5	11.1	25.0	11.5	74.7	11.3	139	17.3	92.4	33.9	227
	5		25.5		24.9		74.7		140		92.4		227
	10		25.5		24.9		74.7		140		92.4		226
	15		25.5		25.0		74.7		139		92.4		225
	20		25.4		24.9		74.7		128		92.4		224
25	24.4	24.9	68.3	106	92.3	203							
30	21.5	17.1	56.1		86.3	172							
35	15.7	9.1	36.6		64.3	120							
40	*(45.0)	2.8	*(42.0)	6.7	*(42.3)	9.5	*(36.0)	*(43.9)	*(41.9)	40.4			

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Injector INLET	Injector OUTLET	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH
60	0	7.2	26.4	12.1	25.1	12.6	72.4	12.3	140	19.0	92.7	37.2	229
	5		26.4		25.0		72.4		140		92.7		228
	10		26.3		25.3		72.4		140		92.7		229
	15		26.3		25.3		72.4		140		92.7		226
	20		26.2		25.2		72.4		138		92.7		227
	30		25.3		25.2		71.2		110		93.0		206
	35		23.8		25.1		63.3		73.3		91.7		182
	40		20.0		13.4		41.4		33.2		77.1		147
	45		*(53.5)		14.4		*(50.0)		7.0		*(51.2)		16.3
70	0	7.8	25.8	13.1	25.4	13.7	73.6	13.3	141	20.5	93.3	40.1	228
	5		25.8		25.3		73.6		141		93.3		228
	10		25.9		25.5		73.6		140		93.3		228
	15		25.9		25.4		73.6		140		93.3		228
	20		25.8		25.5		73.6		140		93.3		228
	30		25.6		25.4		73.6		135		93.4		225
	40		25.6		25.4		67.5		87.6		92.3		198
	45		23.3		20.7		46.9		44.5		81.8		159
	50		16.7		10.5		30.7				54.5		124
	55		*(63.0)		9.0		*(58.3)		6.9		*(58.3)		12.9
80	0	8.4	26.2	14.0	25.5	14.6	74.2	14.2	139	21.9	93.8	42.9	231
	5		26.2		25.5		74.2		139		93.8		231
	10		26.2		25.5		74.2		140		93.8		231
	15		26.2		25.6		74.2		139		93.8		231
	20		26.3		25.6		74.2		140		93.8		231
	30		26.2		25.6		74.2		139		93.8		231
	40		26.3		25.6		73.7		124		94.7		220
	50		25.0		25.6		56.9		60.0		91.5		177
	60		17.1		15.6		25.8				52.8		93.1
	65		*(72.5)		7.8		*(67.0)		5.0		*(67.5)		7.9
90	0	8.9	27.0	14.9	25.7	15.5	74.2	15.1	141	23.2	94.4	45.5	229
	5		27.0		25.8		74.2		139		94.4		229
	10		27.0		25.7		74.2		141		94.4		229
	20		27.4		25.8		74.2		139		94.4		229
	30		27.2		25.8		74.2		140		94.4		229
	40		27.2		25.8		74.2		136		95.6		229
	50		27.2		25.8		70.0		103		94.3		217
	60		24.4		25.8		47.8		34.7		84.6		177
	70		13.2		25.7		18.1				39.5		49.0
	75		*(80.5)		5.2		*(76.0)		13.3		*(75.6)		0.84
100	0	9.3	28.7	15.7	23.5	16.3	76.3	15.9	141	24.5	94.1	48.0	232
	5		28.7		24.2		76.3		141		94.1		232
	10		28.7		24.2		76.3		141		94.1		232
	20		29.2		23.9		76.3		141		94.1		232
	30		29.0		23.9		76.3		140		94.1		232
	40		28.8		23.9		76.3		139		94.1		232
	50		28.8		23.9		74.5		130		93.9		228
	60		28.4		23.9		67.7		87.7		94.9		206
	70		23.3		24.0		44.6		32.5		81.3		146
	80		*(90.0)		16.8		*(85.0)		21.5		*(84.5)		13.0
120	0	10.2	32.1	17.2	24.5	17.9	75.3	17.4	140	26.8	94.4		
	5		32.1		24.9		75.3		140		94.4		
	10		32.1		24.6		75.3		140		94.4		
	20		32.1		24.6		75.3		140		94.4		
	30		32.1		24.7		75.3		140		94.4		
	40		31.8		24.5		75.3		140		94.4		
	50		31.8		24.4		75.3		135		94.4		
	60		31.6		24.7		74.9		131		95.2		
	70		31.6		24.5		70.2		84.6		94.4		
	80		28.6		21.7		61.2		28.0		90.8		
	90		17.1		19.4		34.5				61.2		
	100		*(107)				*(102)		18.1		*(101)		8.5

*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
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Water Suction Capacity													
Operating Pressure PSIG		Model 1585X 1½" Threads		Model 1587 1½" Threads		Model 2081 2" Threads		Model 2083X 2" Threads		Model 3090 3" Threads		Model 4091 4" Threads	
Injector INLET	Injector OUTLET	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH
5	0	10.7	123	17.7	244	32.4	629	8.4	456	76.4	1,050	170	2,100
	1		74.7		102		629		157		900		1,500
	2		26.3		91.4		629		629		758		1,200
	3				54.2		214				456		840
	4		*(3.5)						135		*(1.4)		
10	0	15.2	241	25.0	269	45.8	629	13.1	560	108	1,446	214	2,820
	2		155		249		629		154		1,448		2,820
	5		43.3		103		467				872		1,860
	7				58.3		149				396		780
	8		*(6.5)				14.4		30.0		*(2.4)		
15	0	18.6	262	30.6	270	56.2	630	16.1	671	132	1,434	251	2,820
	5		157		184		623				1,428		2,820
	7		86.5		154		576				1,042		2,280
	10				98.5		213				554		720
	12		*(9.4)				38.0		76		*(3.7)		
20	0	21.4	308	35.4	267	64.8	630	18.9	757	153	1,416	272	2,820
	5		231		265		630		236		1,416		2,820
	10		120		174		468				1,170		2,700
	12		39.3		142		298				792		1,800
	15		*(12.7)				87.9		151		*(5.7)		
25	0	24.0	324	39.6	265	72.5	630	21.8	811	171	1,344	307	2,820
	5		275		264		630		429		1,340		2,820
	10		204		229		626				1,358		2,820
	15		50.5		156		404				930		1,980
	20		*(15.4)				55.0		134		*(7.1)		
30	0	26.3	323	43.3	263	79.4	630	23.1	849	187	1,308	332	2,820
	5		299		261		630		779		1,310		2,820
	10		251		268		630				1,308		2,820
	15		137		200		511				1,282		2,580
	20				164		341				578		1,380
25	*(19.3)		33.3	61.7	*(8.8)		*(25.5)		*(26.0)	240			
35	0	28.4	326	46.8	285	85.8	630	24.4	853	202	1,290	360	2,820
	5		318		284		630		669		1,290		2,820
	10		286		287		630		288		1,266		2,820
	15		204		251		626				1,188		2,820
	20		66.6		191		459				906		2,640
25	*(22.4)		143	255	*(10.4)		*(29.5)		*(30.5)	1,440			
40	0	30.3	324	50.0	287	91.7	630	26.4	897	216	1,254	382	2,820
	5		321		284		630		919		1,254		2,820
	10		307		282		630		388		1,254		2,820
	15		257		278		630				1,256		2,820
	20		146		244		523				1,110		2,820
25	11.9	180	394		712	1,860							
30	*(25.5)		115	168	*(11.6)		*(32.5)		*(35.0)	900			
45	0	32.2	326	53.1	259	97.3	630	27.7	947	229	1,260	402	2,820
	5		324		259		630		748		1,260		2,820
	10		318		260		630		485		1,260		2,820
	15		287		257		630				1,258		2,820
	20		210		256		606				1,200		2,820
25	106	225	507		962	2,820							
30		157	341		580	2,400							
35	*(28.7)		73.5	148	*(13.4)		*(36.0)		*(38.9)	960			
50	0	33.9	323	55.9	260	102	630	28.6	1,175	241	1,236	416	2,820
	5		319		259		630		1,278		1,236		2,820
	10		315		259		630		578		1,236		2,820
	15		296		258		630				1,236		2,820
	20		251		257		630				1,238		2,820
25	156	252	587		1,194	2,820							
30	45.4	205	452		882	2,640							
35		137	299		499	1,620							
40	*(32.4)		75.1	115	*(14.4)		*(40.5)		*(43.1)	360			

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Injector Performance Table

Performance Data for **Plastic Injectors ONLY**



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Water Suction Capacity													
Operating Pressure PSIG		Model 1585X 1½" Threads		Model 1587 1½" Threads		Model 2081 2" Threads		Model 2083X 2" Threads		Model 3090 3" Threads		Model 4091 4" Threads	
Injector INLET	Injector OUTLET	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH	Motive Flow GPM	Water Suction GPH
60	0	37.2	319	61.3	275	112	630	31.5	1,350	265	1,242	460	2,820
	5		318		275		630		1,362		1,242		2,820
	10		317		275		630		850		1,242		2,820
	15		307		275		630		520		1,242		2,820
	20		288		275		630				1,244		2,820
	30		174		271		600				1,238		2,820
	35		76.4		259		508				1,126		2,760
	40				212		380				760		2,520
	45		*(38.2)				117		216				340
70	0	40.1	316	66.2	277	121	630	33.8	1,430	286	1,230	495	2,760
	5		316		277		630		1,509		1,230		2,760
	10		316		277		630		1,261		1,230		2,760
	15		312		277		630		719		1,230		2,760
	20		300		277		630		438		1,230		2,760
	30		260		274		630				1,228		2,760
	40		68.2		263		528				1,208		2,760
	45				209		440				1,100		2,760
	50				151		326				720		1,860
55	*(44.7)		58.2	142		402	*(60.5)	960					
80	0	42.9	321	70.8	275	130	630	34.8	1,454	305	1,230	532	2,700
	5		321		275		630		1,519		1,230		2,700
	10		321		275		630		1,396		1,230		2,700
	15		321		275		630		825		1,230		2,700
	20		311		275		630		575		1,230		2,700
	30		287		275		630				1,230		2,700
	40		209		273		604				1,230		2,700
	50				229		505				1,158		2,700
	60				92.5		269				594		1,800
65	*(51.1)		51.4	60.7		300	*(69.5)	840					
90	0	45.5	309	75.1	274	138	630	36.6	1,486	324	1,230	569	2,520
	5		309		274		630		1,526		1,230		2,520
	10		309		274		630		1,481		1,230		2,520
	20		302		274		630		1,085		1,230		2,520
	30		295		274		630		638		1,230		2,520
	40		270		274		630				1,230		2,520
	50		106		272		601				1,232		2,400
	60				208		458				1,090		2,340
	70				62.6		179				466		1,680
75	*(57.5)						*(79.1)	840					
100	0	48.0	305	79.1	275	145	630	39.3	1,447	342	1,230	600	2,520
	5		305		275		630		1,524		1,230		2,520
	10		305		275		630		1,449		1,230		2,520
	20		300		275		630		1,009		1,230		2,520
	30		282		275		630		885		1,230		2,520
	40		273		275		630				1,230		2,520
	50		193		274		621				1,234		2,520
	60		14.6		265		593				1,226		2,520
	70				179		412				942		2,340
80	*(63.2)		62.6	120		376	*(88.6)	900					
120	0			86.7	269	159	630	43.2	1,456				
	5				269		630						
	10				269		630						
	20				269		630						
	30				269		630						
	40				269		630						
	50				269		630						
	60				270		612						
	70				268		595						
	80				226		523						
	90				106		309						
100							*(97.9)		*(100)		*(36.5)		

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Injector Performance Table

Performance Data for **Plastic Injectors ONLY**



REV 2014

Operating Pressure kg/cm ²		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		0.65		1.0		
	0.14		0.06		0.11		0.47		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		0.88		1.4		
	0.35		0.07		0.12		0.48		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		0.72		1.3		
	0.49		0.11		0.18		0.53		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		0.98		1.7		
	0.70		0.13		0.21		0.58		0.59		0.84		
	0.84		0.03		0.12		0.40		0.49		0.53		
	1.05		*(1.05)		*(1.12)		*(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		1.0		2.0		
	0.70		0.16		0.28		0.80		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		1.0		2.4		
	0.70		0.24		0.35		0.87		1.0		1.8		
	1.05		0.15		0.23		0.67		0.44		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		1.0		2.4		
	0.70		0.30		0.43		0.91		1.0		2.1		
	1.05		0.21		0.32		0.86		0.67		1.5		
	1.41		0.11		0.19		0.59		0.70		0.93		
1.76	*(1.83)	*(1.90)	*(2.01)	*(1.46)	*(2.07)	*(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		1.1		2.4		
	0.70		0.35		0.47		0.88		1.1		2.4		
	1.05		0.26		0.40		0.88		0.89		1.8		
	1.41		0.16		0.27		0.79		0.22		1.3		
1.76	0.07	0.17	0.47	0.71	0.41								
2.11	*(2.07)	*(2.18)	*(2.25)	*(1.60)	*(2.34)	*(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		1.0		2.4		
	0.70		0.37		0.51		0.87		1.1		2.3		
	1.05		0.31		0.44		0.86		1.1		2.2		
	1.41		0.21		0.35		0.87		0.69		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)	*(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		1.0		2.5		
	0.70		0.38		0.52		0.89		1.1		2.4		
	1.05		0.36		0.50		0.89		1.5		2.3		
	1.41		0.30		0.37		0.85		0.96		1.8		
1.76	0.22	0.28	0.85	0.42	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)							

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Water Suction Capacity (METRIC)

REV 2014

Operating Pressure kg/cm ²		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				0.10		0.15						
			*(3.20)				*(3.30)		<0.10		*(3.33)		*(2.49)
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				0.05		0.11				0.47		
	*(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				0.05		0.11				0.39		
	*(4.26)		*(4.43)	<0.10	*(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
	1.05		0.38		0.52		0.70		2.0		0.86		2.5
	1.41		0.38		0.52		0.70		1.8		0.86		2.4
	2.11		0.36		0.50		0.70		1.1		0.86		2.1
	2.81		0.22		0.36		0.70		0.30		0.86		1.6
	3.52		0.10		0.22		0.69				0.84		
	4.22				0.10		0.22				0.84		
	4.92				0.05		0.11				0.26		
5.27		0.05	0.11		0.26								
	*(4.78)		*(4.99)	<0.10	*(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
	1.05		0.38		0.49		0.69		2.0		0.83		2.5
	1.41		0.38		0.49		0.69		1.9		0.83		2.5
	2.11		0.38		0.47		0.68		1.8		0.83		2.2
	2.81		0.32		0.45		0.69		0.77		0.83		1.7
	3.52		0.19		0.33		0.69				0.83		
	4.22		0.07		0.19		0.66				0.81		
	4.92				0.07		0.19				0.81		
5.62		0.07	0.19		0.81								
	*(5.34)		*(5.55)	0.19	*(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
	1.05		0.38		0.40		0.68		2.0		0.77		2.6
	1.41		0.38		0.40		0.68		1.9		0.77		2.5
	2.11		0.38		0.40		0.68		1.9		0.77		2.3
	2.81		0.35		0.38		0.68		1.5		0.77		2.0
	3.52		0.33		0.37		0.68		0.88		0.77		1.5
	4.22		0.25		0.30		0.68		0.13		0.76		1.2
	4.92		0.15		0.23		0.68				0.76		
5.62	0.06	0.10	0.54		0.73								
6.33		0.06	0.10		0.73								
7.03		0.06	0.10		0.73								
	*(6.54)		*(6.68)	<0.10	*(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

Performance Data for **Plastic Injectors ONLY**



REV 2014

Water Suction Capacity (METRIC)																			
Operating Pressure kg/cm ²		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)	*(0.31)					
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)		*(0.53)	*(0.61)	0.27	*(0.57)	0.27	*(0.61)	2.6
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)		*(0.77)	*(0.91)	1.0	*(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)		*(0.98)	*(1.22)	1.9	*(1.26)	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)		*(1.20)	*(1.54)	2.0	*(1.55)	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)		*(1.44)	*(1.83)	1.1	*(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)		*(1.69)	*(2.11)	2.9	*(2.07)	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)	*(1.90)	*(2.42)	2.6	*(2.35)	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)		*(2.18)	*(2.72)	2.3	*(2.64)	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)		*(2.53)	*(3.09)	2.2	*(2.95)	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

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Water Suction Capacity (METRIC)																		
Operating Pressure kg/cm ²		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
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									

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REV 2014

Operating Pressure kg/cm ²		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)		*(0.10)		*(0.28)		*(0.32)
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)		*(0.63)		*(0.17)		*(0.60)		*(0.62)
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)		*(0.94)		*(0.26)		*(0.95)		*(0.92)
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)		*(1.23)		*(0.40)		*(1.20)		*(1.23)
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)		*(1.57)		*(0.50)		*(1.51)		*(1.53)
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)	*(1.83)	*(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)	*(2.14)	*(0.73)	*(2.07)	*(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)	*(2.36)	*(0.82)	*(2.28)	*(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)	*(2.67)	*(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)	*(2.92)	*(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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Injector Performance Table

Performance Data for **Plastic Injectors ONLY**



REV 2014

Water Suction Capacity (METRIC)													
Operating Pressure kg/cm ²		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)				7.4		*(3.52)		13.6		*(1.26)
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)		3.6	*(4.01)	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)		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)		*(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)		3.9	*(5.76)	7.6	*(2.33)		*(5.98)	23.7	*(6.23)	56.8		
8.44	0.00	328		328	17.0	601	39.7	163	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				17.0		39.7						
	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).

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