



Injector Performance Table
Water Suction Capacity

Operating Pressure PSIG		WATER SUCTION		Operating Pressure PSIG		WATER SUCTION	
Injector INLET	Injector OUTLET	Motive Flow GPM	Water Suction GPM	Injector INLET	Injector OUTLET	Motive Flow GPM	Water Suction GPM
5	0	76.4	17.5	60	0	265	20.7
	1		15.0		5		20.7
	2		12.6		10		20.7
	3		7.6		15		20.7
	4		*(4.0)		20		20.7
10	0	108	24.1		25		20.7
	2		24.1		30		20.6
	5		14.5		35		18.7
	7		6.6		40		12.6
	8		*(8.5)		45		5.6
15	0	132	23.9	70	0	286	20.5
	5		23.8		5		20.5
	7		17.3		10		20.5
	10		9.2		15		20.5
	12		*(13.5)		20		20.5
20	0	153	23.6		30		20.4
	5		23.6		35		20.5
	10		19.5		40		20.1
	12		13.2		45		18.3
	15		*(17.0)		50		12.0
25	0	171	22.4	55	6.7		
	5		22.3	80	305	0	12.5
	10		22.6			5	20.5
	15		15.5			10	20.5
	20		*(21.5)			15	20.5
30	0	187	21.8			20	20.5
	5		21.8			30	20.5
	10		21.8			35	20.5
	15		21.3			40	20.5
	20		9.6			45	20.5
	25		*(25.5)			50	19.3
35	0	202	21.5	55	14.9		
	5		21.5	60	9.9		
	10		21.1	65	*(67.5)		
	15		19.8	90	324	0	20.5
	20		15.1			5	20.5
	25		*(29.5)			6	20.5
40	0	216	20.9			20	20.5
	5		20.9			30	20.5
	10		20.9			40	20.5
	15		20.9			45	20.5
	20		18.5			50	20.5
	25		11.8			55	20.5
	30		*(32.5)			60	18.1
45	0	229	21.0	65	12.6		
	5		21.0	70	7.7		
	10		21.0	75	*(76.5)		
	15		20.9	100	342	0	20.5
	20		20.0			5	20.5
	25		16.0			10	20.5
	30		9.6			20	20.5
35	*(36.0)	30	20.5				
50	0	241	20.6			40	20.5
	5		20.6			50	20.5
	10		20.6			60	20.4
	15		20.6			65	19.3
	20		20.6			70	15.7
	25		19.9	75	10.6		
	30		14.7	80	*(85.0)		
	35		8.3				
	40		*(40.5)				

Model 3090

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 500 Rooster Drive, Bakersfield, CA 93307-9555 USA

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



Injector Performance Table
Water Suction Capacity - METRIC

Operating Pressure kg/cm ²		WATER SUCTION		Operating Pressure kg/cm ²		WATER SUCTION			
Injector INLET	Injector OUTLET	Motive Flow l/min	Water Suction l/min	Injector INLET	Injector OUTLET	Motive Flow l/min	Water Suction l/min		
0.35	0.00	289	66.2	4.22	0.00	1,001	78.3		
	0.07		56.7		0.35		78.3		
	0.14		47.8		0.70		78.3		
	0.21		28.7		1.05		78.3		
	0.28		*(0.28)		1.41		78.4		
0.70	0.00	409	91.2		1.76		78.3		
	0.14		91.3		2.11		78.0		
	0.35		55.0		2.46		71.0		
	0.49		24.9		2.81		47.9		
	0.56		*(0.60)		3.16		21.4		
1.05	0.00	501	90.4		4.92		0.00	1,082	77.5
	0.35		90.0				0.35		77.5
	0.49		65.7				0.70		77.5
	0.70		34.9				1.05		77.5
	0.84		18.9				1.41		77.5
1.41	0.00	578	89.3	2.11		77.4			
	0.35		89.3	2.46		77.5			
	0.70		73.8	2.81		76.2			
	0.84		49.9	3.16		69.3			
	1.05		27.2	3.52		45.4			
1.76	0.00	646	84.7	3.87		25.3	*(4.11)		25.3
	0.35		84.5	0.00		77.5			
	0.70		85.6	0.35		77.5			
	1.05		58.6	0.70		77.5			
	1.41		7.1	1.05		77.5			
2.11	0.00	708	82.5	5.62	1.41	1,156	77.5		
	0.35		82.6		2.11		77.5		
	0.70		82.5		2.46		77.5		
	1.05		80.8		2.81		77.5		
	1.41		36.4		3.16		77.5		
	1.76		*(1.79)		3.52		73.0		
2.46	0.00	765	81.3		3.87		56.6	*(4.75)	37.4
	0.35		81.3		4.22		37.4		
	0.70		79.8		4.57		18.9		
	1.05		80.0		0.00		77.5		
	1.41		57.1		0.35		77.5		
	1.76		24.8		0.70		77.5		
2.81	0.00	818	79.1		6.33		1.41	1,226	77.5
	0.35		79.1				2.11		77.5
	0.70		79.1				2.81		77.5
	1.05		79.2	3.16		77.5			
	1.41		70.0	3.52		77.7			
	1.76		44.9	3.87		77.8			
	2.11		14.5	4.22		68.7			
3.16	0.00	867	79.4	4.57		47.6	*(5.38)		29.3
	0.35		79.4	4.92		29.3			
	0.70		79.4	5.27		0.00			
	1.05		79.3	0.35		77.5			
	1.41		79.0	0.70		77.5			
	1.76		60.6	1.41		77.5			
	2.11		36.5	2.11		77.5			
3.52	0.00	914	77.9	7.03		2.81	1,293		77.5
	0.35		77.9		3.52	77.8			
	0.70		77.9		4.22	77.3			
	1.05		77.9		4.57	73.3			
	1.41		78.0		4.92	59.4			
	1.76		75.3		5.27	40.1			
	2.11		55.6		5.62	23.7			
	2.46		31.5		0.00	77.5			
	2.81		*(2.85)		0.35	77.5			

Model 3090

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



Operating Pressure PSIG		AIR SUCTION		Operating Pressure PSIG		AIR SUCTION	
Injector INLET	Injector OUTLET	Motive Flow GPM	Air Suction SCFM	Injector INLET	Injector OUTLET	Motive Flow GPM	Air Suction SCFM
5	0	76		60	0	257	35.83
	1		4.51		5		31.67
	2		1.34		10		22.75
	3		0.67		15		9.95
	4		*(4.1)		20		7.00
10	0	106	6.86	70	0	277	37.42
	2		4.28		5		31.17
	5		1.43		10		13.23
	7		0.71		15		9.17
	8		*(8.5)		20		5.25
15	0	129	13.29	80	0	297	38.67
	5		3.18		5		35.17
	7				10		20.17
	10		1.91		15		11.78
	12		*(13.5)		20		7.03
20	0	149	17.93	90	0	315	4.25
	5		5.46		5		38.25
	10		2.00		10		33.33
	12		1.46		20		14.38
	15		*(17.0)		30		8.62
25	0	167	21.80	100	0	332	10.42
	5		8.66		5		7.07
	10		3.28		10		4.62
	15		1.58		20		2.90
	20		*(21.5)		30		2.05
30	0	183	24.72	120	0	363	39.08
	5		15.05		5		37.00
	10		4.63		10		26.67
	15		2.44		20		14.00
	20		1.39		30		9.98
35	0	197	27.40	150	0	405	7.12
	5		20.98		5		4.93
	10		6.30		10		3.37
	15		3.57		20		2.38
	20		1.98		30		1.75
40	0	211	29.52	200	0	447	1.38
	5		21.63		5		
	10		8.16		10		
	15		4.81		20		
	20		2.92		30		
45	0	223	31.42	250	0	489	
	5		24.50		5		
	10		10.12		10		
	15		5.86		20		
	20		3.84		30		
50	0	236	32.92	300	0	531	
	5		27.08		5		
	10		12.76		10		
	15		7.19		20		
	20		4.90		30		
60	0	257	35.83	350	0	573	
	5		31.67		5		
	10		22.75		10		
	15		9.95		20		
	20		7.00		30		
70	0	277	37.42	400	0	615	
	5		31.17		5		
	10		13.23		10		
	15		9.17		20		
	20		5.25		30		
80	0	297	38.67	450	0	667	
	5		35.17		5		
	10		20.17		10		
	15		11.78		20		
	20		7.03		30		
90	0	315	4.25	500	0	719	
	5		38.25		5		
	10		33.33		10		
	20		14.38		20		
	30		8.62		30		
100	0	332	10.42	550	0	771	
	5		7.07		5		
	10		4.62		10		
	20		2.90		20		
	30		2.05		30		
120	0	363	1.38	600	0	843	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		
150	0	405	7.12	700	0	945	
	5		4.93		5		
	10		3.37		10		
	20		2.38		20		
	30		1.75		30		
200	0	447	1.38	800	0	1089	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		
250	0	489	1.38	900	0	1281	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		
300	0	531	1.38	1000	0	1473	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		
350	0	573	1.38	1100	0	1665	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		
400	0	615	1.38	1200	0	1857	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		
450	0	667	1.38	1300	0	2049	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		
500	0	719	1.38	1400	0	2241	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		
600	0	771	1.38	1500	0	2433	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		
700	0	823	1.38	1600	0	2625	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		
800	0	875	1.38	1700	0	2817	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		
900	0	927	1.38	1800	0	3009	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		
1000	0	979	1.38	1900	0	3201	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		
1200	0	1089	1.38	2100	0	3597	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		
1500	0	1200	1.38	2300	0	4005	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		
2000	0	1400	1.38	2500	0	4401	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		
2500	0	1600	1.38	2700	0	4809	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		
3000	0	1800	1.38	2900	0	5205	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		
4000	0	2100	1.38	3100	0	5601	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		
5000	0	2400	1.38	3300	0	6009	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		
6000	0	2700	1.38	3500	0	6405	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		
7000	0	3000	1.38	3700	0	6801	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		
8000	0	3300	1.38	3900	0	7209	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		
9000	0	3600	1.38	4100	0	7605	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		
10000	0	3900	1.38	4300	0	8001	
	5		39.08		5		
	10		37.00		10		
	20		26.67		20		
	30		14.00		30		

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Injector Performance Table
Air Suction Capacity

Model 3090



Injector Performance Table
Air Suction Capacity - METRIC

Operating Pressure kg/cm ²		AIR SUCTION		Operating Pressure kg/cm ²		AIR SUCTION	
Injector INLET	Injector OUTLET	Motive Flow l/min	Air Suction l/min	Injector INLET	Injector OUTLET	Motive Flow l/min	Air Suction l/min
0.35	0.00	287		4.22	0.00	974	1,015
	0.07		128		0.35		897
	0.14		37.8		0.70		644
	0.21		18.9		1.05		282
	0.28		*(0.29)		1.41		198
0.70	0.00	402	194		2.11		104
	0.14		121		2.46		73.6
	0.35		40.4		2.81		54.3
	0.49		20.0		3.16		*(3.44)
	0.56		*(0.60)		0.00		
1.05	0.00	490	376	4.92	0.35	1,050	1,060
	0.35		90.0		0.70		883
	0.49		54.1		1.05		375
	0.70		27.1		1.41		260
	0.84		*(0.95)		2.11		149
1.41	0.00	566	508		2.81		85.9
	0.35		155		3.16		64.7
	0.70		56.7		3.52		49.6
	0.84		41.2		3.87		*(4.11)
	1.05		*(1.20)		0.00		
1.76	0.00	632	617	5.62	0.35	1,126	1,095
	0.35		245		0.70		996
	0.70		93.0		1.05		571
	1.05		44.6		1.41		334
	1.41		*(1.51)		2.11		199
2.11	0.00	693	700		2.81		120
	0.35		426		3.52		72.2
	0.70		131		4.22		44.8
	1.05		69.0		4.57		*(4.75)
	1.41		39.4		0.00		
	1.76		*(1.79)	0.35	1,083		
2.46	0.00	745	776	6.33	0.70	1,194	944
	0.35		594		1.41		407
	0.70		178		2.11		244
	1.05		101		2.81		157
	1.41		55.9		3.52		99.1
	1.76		*(2.07)		4.22		59.9
2.81	0.00	800	836		4.92		41.5
	0.35		613		5.27		*(5.38)
	0.70		231		0.00		
	1.05		136		0.35		1,084
	1.41		82.8	0.70	991		
	1.76		50.7	1.41	533		
3.16	2.11	*(2.28)	33.2	7.03	2.11	1,258	295
	0.00	890	2.81		200		
	0.35	694	3.52		131		
	0.70	287	4.22		82.1		
	1.05	166	4.92		58.1		
	1.41	109	5.62		*(5.98)		
	1.76	69.6	0.00				
	2.11	43.6	0.35		1,107		
2.46	*(2.53)	0.70	1,048				
3.52	0.00	893	932		8.44		1.41
	0.35		767	2.11		397	
	0.70		361	2.81		283	
	1.05		204	3.52		202	
	1.41		139	4.22		140	
	1.76		95.1	4.92		95.3	
	2.11		64.3	5.62		67.5	
	2.46		43.5	6.33		49.6	
	2.81		*(2.85)	7.03		*(7.17)	
			28.7				

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