

Injector Performance Table

Water Suction Capacity • Injector Inlet Pressure 5-50 PSIG

Operating Pressure PSIG		Model 283 1/2" Threads		Model 287 1/2" Threads		Model 384 1/2" Threads		Model 384X 1/2" Threads		Model 484 1/2" & 3/4" Threads		Model 484X 3/4" 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	0.17	3.2	0.29	5.2	0.7	10.3	0.7	11.7	1.2	14.6	1.2	23.5
	1		2.0		2.6		8.7		8.7		10.5		16.7
	2		1.1		1.8		7.5		4.0		6.7		11.9
	3				1.2		5.1				1.0		7.4
	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	18.8	1.7	29.8
	2		2.8		4.8		11.5		13.6		14.0		23.1
	5		1.2		1.9		7.6		2.0		6.1		11.9
	7				0.8		2.1				2.8		3.8
	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	13.4	1.2	27.8	2.1	18.8	2.1	38.7
	5		2.7		4.1		11.4		11.7		11.4		21.0
	7		1.7		2.9		8.5		4.2		8.3		15.7
	10				1.3		4.9				1.0		
	12		(10.5)		(11.5)		(12.9)		(9.6)		(12.5)		(9.6)
20	0	0.32	5.8	0.51	7.0	1.4	13.1	1.4	29.7	2.4	18.0	2.4	39.5
	5		3.7		6.1		13.2		17.2		15.7		27.7
	10		2.0		3.4		9.3		3.0		9.5		13.4
	12		0.6		1.9		6.4				7.8		8.4
	15		(15.0)		(16.0)		(16.5)		(12.4)		(17.0)		(13.2)
25	0	0.35	5.9	0.58	7.8	1.6	14.2	1.6	33.1	2.7	17.9	2.7	39.6
	5		4.8		6.9		14.3		22.4		17.3		32.1
	10		2.6		4.4		12.7		11.2		13.8		22.0
	15		0.7		2.3		6.7				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	14.2	1.7	33.9	2.9	17.2	2.9	39.8
	5		5.8		7.9		14.4		24.7		17.0		38.1
	10		3.8		5.6		13.9		17.3		16.6		28.8
	15		2.4		3.6		10.7		7.0		11.3		17.0
	20		0.8		1.7		4.5				7.1		
35	0	0.41	6.0	0.70	8.1	1.9	14.5	1.9	33.8	3.2	17.3	3.2	40.3
	5		6.0		8.0		14.5		29.1		17.4		39.3
	10		4.8		6.8		14.5		19.2		17.4		33.9
	15		3.4		5.0		13.7		10.7		17.4		24.3
	20		1.7		3.0		9.4				11.1		14.8
40	0	0.43	6.0	0.75	8.1	2.0	14.2	2.0	34.0	3.4	17.1	3.4	40.8
	5		6.0		8.1		14.2		31.6		17.7		38.7
	10		5.5		7.4		14.0		24.1		17.7		38.5
	15		4.2		6.3		14.0		14.3		17.7		29.9
	20		2.6		4.3		12.6		3.6		15.2		20.7
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		13.8		31.6		17.2		39.1
	10		5.8		8.1		13.8		30.8		17.5		37.9
	15		4.9		6.9		13.7		19.0		17.5		35.0
	20		3.4		5.5		13.8		11.1		16.7		26.9
50	0	0.48	6.0	0.85	8.3	2.2	14.1	2.2	33.9	3.8	17.4	3.8	41.7
	5		6.0		8.3		14.1		32.8		17.4		40.5
	10		6.0		8.3		14.1		31.7		17.7		39.2
	15		5.7		8.0		14.1		25.3		17.7		37.4
	20		4.7		5.9		13.6		15.2		17.7		29.5
50	25	3.5	4.5	13.6	6.7	16.5	20.3						
	30	2.1	3.0	10.1		12.7	8.2						
	35	0.7	1.2	6.1		7.8							
	40	(37.0)	(39.0)	(39.6)	(28.7)	(41.0)	(32.6)						

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

Injector Performance Table

Water Suction Capacity • Injector Inlet Pressure 5-50 PSIG																	
Operating Pressure PSIG		Model 584		Model 684		Model 878-2		Model 885X-2		Model 1078-2		Model 1583					
		1/2" & 3/4" Threads		3/4" Threads		1" Threads		1" Threads		1" Threads		1.5" 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	29.2	3.5	3.7	3.6	62.9	5.5	10.7	135.8	10.7	135.8	135.8				
	1		28.9				27.4							36.1	78.1	101.5	84.5
	2		28.5				20.3							23.8	62.6	46.4	84.5
	3		25.4				13.8							7.3	42.7	22.2	53.3
	4		(4.4)				10.0							6.6	15.5	2.7	
10	0	3.0	28.3	5.0	5.2	5.0	93.8	7.7	15.2	219.9	15.2	219.9	219.9				
	2		28.2				27.3							62.0	90.8	75.7	143.8
	5		27.5				18.5							36.5	44.8	41.8	78.8
	7		13.3				10.9							15.8	19.4	19.2	42.0
	8		(9.0)				11.0							6.1	3.7	4.4	
15	0	3.6	28.2	6.1	6.3	6.2	135.3	9.5	18.6	225.2	18.6	225.2	225.2				
	5		27.9				26.1							62.1	83.2	79.9	163.8
	7		28.0				25.1							45.5	58.0	64.7	124.4
	10		14.0				12.9							23.6	19.2	34.3	86.5
	12		(13.5)				11.0							7.0	7.2	17.0	14.6
20	0	4.2	24.8	7.0	7.3	7.1	141.9	11.0	21.5	228.0	21.5	228.0	228.0				
	5		24.8				25.2							80.5	117.4	95.4	205.4
	10		23.7				25.2							48.6	57.7	70.0	143.5
	12		19.2				18.4							33.6	36.2	51.5	131.7
	15		(18.0)				14.6							10.4	21.0	30.3	66.2
25	0	4.7	25.2	7.8	8.2	8.0	142.7	12.2	24.0	226.8	24.0	226.8	226.8				
	5		25.2				24.8							82.3	135.8	96.7	226.4
	10		25.1				24.9							73.2	96.5	89.4	193.9
	15		20.8				24.4							45.3	38.4	68.2	148.1
	20		(22.0)				12.2							5.2	20.1	31.9	49.0
30	0	5.1	25.3	8.6	9.0	8.7	144.1	13.4	26.3	226.5	26.3	226.5	226.5				
	5		25.4				24.6							79.2	140.7	94.5	226.4
	10		24.9				24.6							77.0	125.3	94.5	211.6
	15		25.2				24.6							65.4	69.3	82.1	167.3
	20		18.2				14.7							35.4	14.3	55.4	125.5
25	(27.0)	11.6	6.8	9.1	20.5	17.9	18.3										
35	0	5.5	25.5	9.3	9.7	9.4	142.4	14.5	28.4	226.7	28.4	226.7	226.7				
	5		25.5				24.6							79.4	141.7	94.0	226.5
	10		25.4				24.7							77.5	135.7	94.0	224.2
	15		25.3				24.8							74.5	106.7	91.9	205.7
	20		21.9				24.9							52.3	54.2	74.1	164.8
25	(31.5)	16.5	12.9	30.3	24.0	47.3	89.1										
40	0	5.9	25.6	9.9	10.3	10.1	141.0	15.5	30.3	227.3	30.3	227.3	227.3				
	5		25.6				25.0							77.5	141.1	93.2	228.7
	10		25.6				25.1							77.5	139.1	93.2	227.2
	15		25.5				25.0							77.5	128.0	93.2	220.5
	20		25.2				25.1							73.6	90.5	91.9	192.8
25	21.3	24.7	50.6	36.9	72.2	153.4											
30	(35.5)	15.0	10.8	28.2	27.0	42.7	81.5										
45	0	6.3	25.9	10.5	11.0	10.7	140.9	16.4	32.2	227.9	32.2	227.9	227.9				
	5		26.0				25.0							79.6	139.7	92.8	228.3
	10		26.0				25.0							79.6	139.2	92.8	228.0
	15		25.9				25.1							79.6	134.8	92.8	223.5
	20		25.7				25.1							78.8	112.1	93.9	212.4
25	23.6	25.1	67.0	74.5	86.9	174.9											
30	19.4	20.6	44.2	23.2	66.2	113.1											
35	(40.0)	13.5	8.4	22.0	31.0	36.7	47.1										
50	0	6.6	25.6	11.1	11.6	11.3	139.6	17.3	33.9	227.4	33.9	227.4	227.4				
	5		25.6				25.0							74.8	140.5	92.4	227.4
	10		25.6				25.0							74.8	140.5	92.4	226.3
	15		25.5				25.1							74.8	139.1	92.4	225.6
	20		25.4				24.9							74.8	128.1	92.4	224.4
25	24.5	25.0	68.3	106.8	92.4	203.7											
30	21.6	17.1	56.2	59.0	86.4	172.4											
35	15.8	9.2	36.6	12.9	64.3	120.6											
40	(45.0)	2.8	6.7	9.6	36.0	35.0	40.5										

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

Injector Performance Table

Water Suction Capacity • Injector Inlet Pressure 5-50 PSIG

Operating Pressure PSIG		Model 1585X 1.5" Threads		Model 1587 1.5" 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	123.5	17.7	244.3	34	630	8.4	456	76	1050	170	2100
	1		74.8		102.9		630		158		900		1500
	2		26.3		91.5		630				756		1200
	3				54.2		215				456		840
	4		(3.5)		(4.1)		136		(1.4)		(4.0)		(4.5)
10	0	15.2	241.5	25.0	269.7	48	630	13.1	561	108	1446	214	2820
	2		155.9		249.1		630		154		1446		2820
	5		43.4		103.7		468				870		1860
	7				58.3		149				396		780
	8		(6.5)		(8.7)		14.4		(9.0)		(2.4)		(8.5)
15	0	18.6	262.0	30.7	270.6	59	631	16.1	671	132	1434	251	2820
	5		157.7		184.7		623				1428		2820
	7		86.6		154.2		576				1044		2280
	10				98.6		213				552		720
	12		(9.4)		(13.5)		38.0		(13.3)		(3.7)		(13.5)
20	0	21.5	308.6	35.4	267.1	68	631	18.9	757	153	1416	272	2820
	5		231.9		265.7		631		237		1416		2820
	10		120.2		174.6		468				1170		2700
	12		39.3		142.0		299				792		1800
	15		(12.7)		(17.0)		88.0		(17.5)		(5.7)		(17.0)
25	0	24.0	324.6	39.6	265.2	77	631	21.8	812	171	1344	307	2820
	5		275.5		264.9		631		429		1344		2820
	10		204.5		229.6		627				1356		2820
	15		50.5		156.8		404				930		1980
	20		(15.4)		(22.1)		55.1		(22.3)		(7.1)		(21.5)
30	0	26.3	323.1	43.3	263.5	84	631	23.1	849	187	1308	332	2820
	5		299.7		261.5		631		780		1308		2820
	10		251.2		268.3		631				1308		2820
	15		137.5		200.4		511				1284		2580
	20				164.8		341				576		1380
25	(19.3)	(25.6)	33.4	(26.0)	(8.8)	(25.5)	(26.0)	240					
35	0	28.4	326.3	46.8	285.7	91	631	24.4	853	202	1290	360	2820
	5		318.1		284.7		631		670		1290		2820
	10		286.7		287.7		631		288		1266		2820
	15		204.1		251.8		627				1266		2820
	20		66.7		191.7		460				906		2640
25	(22.4)	(29.0)	143.8	(30.5)	(10.4)	(29.5)	(30.5)	1440					
40	0	30.3	324.3	50.0	287.0	97	631	26.4	897	216	1254	382	2820
	5		321.3		284.9		631		920		1254		2820
	10		307.8		282.6		631		389		1254		2820
	15		257.1		278.4		631				1254		2820
	20		146.6		244.5		524				1110		2820
25	11.9	180.3	394		714	1860							
30	(25.5)	(33.2)	115.5	(33.5)	(11.6)	(32.5)	(35.0)	900					
45	0	32.2	326.0	53.1	259.8	103	631	27.7	948	229	1260	402	2820
	5		324.1		259.2		631		749		1260		2820
	10		318.1		260.4		631		486		1260		2820
	15		287.2		257.1		631				1260		2820
	20		210.2		256.9		607				1200		2820
25	106.9	225.9	508		960	2820							
30		157.1	341		582	2400							
35	(28.7)	(38.3)	73.5	(38.0)	(13.4)	(36.0)	(38.9)	960					
50	0	33.9	323.0	56.0	260.5	108	631	28.6	1175	242	1236	416	2820
	5		319.3		259.7		631		1278		1236		2820
	10		315.5		259.7		631		579		1236		2820
	15		296.7		258.3		631				1236		2820
	20		251.8		257.3		631				1236		2820
25	156.8	252.4	588		1194	2820							
30	45.4	205.4	453		882	2640							
35		137.2	300		498	1620							
40	(32.4)	(41.0)	75.1	(41.5)	(14.4)	(40.5)	(43.1)	360					

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

Injector Performance Table

Water Suction Capacity • Injector Inlet Pressure 60-120 PSIG

Operating Pressure PSIG		Model 283		Model 287		Model 384		Model 384X		Model 484		Model 484X	
		1/2" Threads		1/2" Threads		1/2" Threads		1/2" Threads		1/2" & 3/4" Threads		3/4" 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	0.54	6.0	0.92	8.3	2.5	13.8	2.5	34.4	4.1	17.7	4.1	42.4
	5		6.0		8.3		13.8		34.3		17.7		42.3
	10		6.0		7.8		13.6		34.0		17.7		38.3
	15		6.0		7.8		13.6		31.9		17.7		38.0
	20		5.7		7.8		13.4		24.2		17.7		37.5
	30		3.8		5.7		12.4		9.1		17.2		23.1
	35		2.4		4.1		11.7		1.6		15.2		11.2
	40		1.3		2.7		8.4				12.0		
	45		(45.5)		0.7		(47.0)		2.5		(35.4)		(50.7)
70	0	0.58	6.0	0.99	8.3	2.7	12.2	2.7	35.2	4.5	18.0	4.5	42.3
	5		6.0		8.3		12.2		35.9		18.0		42.6
	10		6.0		8.3		12.2		34.7		17.2		39.5
	15		6.0		8.3		12.2		33.0		17.2		37.3
	20		6.0		8.3		12.2		30.7		17.2		35.7
	30		5.2		7.4		12.2		18.0		17.2		31.3
	40		2.9		4.7		11.9		3.4		16.3		16.3
	45		1.9		3.5		11.0				13.4		9.0
	55		(54.0)		0.9		(55.0)		1.7		(41.5)		(58.5)
80	0	0.60	6.0	1.06	8.3	2.8	11.7	2.8	34.6	4.8	17.0	4.8	42.3
	5		6.0		8.3		11.7		34.2		17.0		42.0
	10		6.0		8.3		11.7		34.7		17.0		41.9
	15		6.0		8.3		11.7		32.9		17.0		40.8
	20		6.0		8.3		11.7		31.7		16.2		40.8
	30		6.0		8.1		11.7		26.4		16.3		39.7
	40		4.5		6.4		11.7		11.7		15.8		27.0
	50		2.3		4.1		11.3				14.9		6.8
	60				0.9		6.8				6.2		
65	(60.5)		(63.0)		(47.2)	(66.0)		(51.9)					
90	0	0.65	6.0	1.13	8.3	3.0	11.2	3.0	34.9	5.1	13.7	5.1	42.3
	5		6.0		8.3		11.2		34.3		13.7		42.0
	10		6.0		8.3		11.2		34.5		13.7		40.8
	20		6.0		8.3		11.2		32.9		13.7		40.8
	30		6.0		8.3		11.2		29.6		13.7		39.5
	40		6.0		7.9		11.2		18.5		13.7		33.4
	50		3.5		5.7		11.2		4.8		13.7		26.3
	60		1.6		3.5		11.0				13.3		
	70				0.2		4.7				4.2		
75	(68.0)		(71.0)		(53.1)	(74.0)		(58.8)					
100	0	0.69	6.0	1.19	7.7	3.2	11.0	3.2	33.6	5.3	13.3	5.3	42.5
	5		6.0		7.7		11.0		33.1		13.3		42.0
	10		6.0		7.7		11.0		32.6		13.3		40.8
	20		6.0		7.7		11.0		31.8		13.3		39.7
	30		6.0		7.7		11.0		31.7		13.3		40.7
	40		6.0		7.4		11.0		29.4		13.3		35.0
	50		5.0		7.2		11.0		12.2		13.2		27.1
	60		3.0		5.2		11.0				13.3		15.1
	70		1.2		3.0		10.5				12.9		
80	(76.0)		(79.0)		(59.0)	(82.9)	1.0	(65.4)					
120	0	0.76	6.0	1.32	6.4	3.5	10.8	3.5	33.9	5.8	12.4	5.8	45.9
	5		6.0		6.4		10.8		33.6		12.4		43.9
	10		6.0		6.4		10.8		33.1		12.4		43.2
	20		6.0		6.4		10.8		31.7		12.4		42.0
	30		6.0		6.4		10.8		30.5		12.4		40.2
	40		6.0		6.4		10.8		30.6		12.2		36.9
	50		5.6		6.1		10.8		25.2		12.2		32.1
	60		5.2		5.8		10.8		14.0		12.2		24.8
	70		3.9		4.8		10.8		2.1		12.2		20.4
	80		2.3		3.7		10.8				12.2		
	90		1.0		1.5		8.6				11.7		
100	(93.0)		(95.0)		(71.3)	(99.7)		(79.9)					

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

Injector Performance Table

Water Suction Capacity • Injector Inlet Pressure 60-120 PSIG

Operating Pressure PSIG		Model 584		Model 684		Model 878-2		Model 885X-2		Model 1078-2		Model 1583	
		1/2" & 3/4" Threads		3/4" Threads		1" Threads		1" Threads		1" Threads		1.5" 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	7.2	26.4	12.1	25.2	12.7	72.5	12.3	140.7	19.0	92.7	37.2	229.7
	5		26.4		25.0		72.5		140.7		92.7		228.9
	10		26.4		25.4		72.5		141.0		92.7		229.0
	15		26.4		25.3		72.5		141.0		92.7		227.0
	20		26.2		25.2		72.5		138.6		92.7		227.9
	30		25.4		25.2		71.2		110.2		93.1		206.5
	35		23.8		25.2		63.3		73.3		91.7		182.3
	40		20.1		13.5		41.5		33.3		77.1		148.0
	45		(53.5)		14.4		7.1		(51.2)		16.4		(43.0)
70	0	7.8	25.9	13.1	25.4	13.7	73.7	13.3	141.0	20.5	93.4	40.1	228.7
	5		25.9		25.4		73.7		141.0		93.4		228.7
	10		25.9		25.5		73.7		140.5		93.4		228.7
	15		25.9		25.4		73.7		140.6		93.4		228.7
	20		25.9		25.6		73.7		140.6		93.4		228.7
	30		25.7		25.5		73.7		135.6		93.5		225.7
	40		25.6		25.5		67.5		87.7		92.3		198.6
	45		23.4		20.7		46.9		44.6		81.9		159.6
	50		16.7		10.6		30.7				54.5		124.4
55	(63.0)	9.1	(58.3)	6.9	(58.3)	12.9	(51.0)	(58.9)	28.8	(56.7)	43.3		
80	0	8.4	26.2	14.0	25.5	14.6	74.2	14.3	139.8	21.9	93.9	42.9	231.6
	5		26.2		25.5		74.2		139.8		93.9		231.6
	10		26.2		25.6		74.2		140.7		93.9		231.6
	15		26.2		25.6		74.2		139.8		93.9		231.6
	20		26.3		25.6		74.2		140.7		93.9		231.6
	30		26.3		25.6		74.2		139.5		93.9		231.6
	40		26.3		25.6		73.7		124.1		94.8		220.5
	50		25.0		25.7		56.9		60.1		91.5		177.4
	60		17.2		15.7		25.8				52.9		93.2
65	(72.5)	7.9	(67.0)	5.1	(67.5)	7.9	(57.0)	(68.5)	33.0	(65.0)	12.0		
90	0	8.9	27.1	14.9	25.8	15.5	74.3	15.1	141.4	23.2	94.5	45.5	229.4
	5		27.1		25.8		74.3		139.8		94.5		229.4
	10		27.1		25.7		74.3		141.4		94.5		229.4
	20		27.5		25.8		74.3		139.8		94.5		229.4
	30		27.3		25.8		74.3		140.3		94.5		229.4
	40		27.3		25.9		74.3		136.8		95.6		229.1
	50		27.3		25.8		70.1		103.3		94.4		217.8
	60		24.4		25.9		47.9		34.8		84.7		177.8
	70		13.2		25.7		18.2				39.6		49.1
75	(80.5)	5.2	(76.0)	13.4	(75.6)	0.8	(66.0)	(76.9)	20.6	(73.1)			
100	0	9.4	28.8	15.7	23.5	16.3	76.4	15.9	141.1	24.5	94.2	48.0	232.0
	5		28.8		24.2		76.4		141.3		94.2		232.0
	10		28.8		24.2		76.4		141.1		94.2		232.0
	20		29.2		23.9		76.4		141.3		94.2		232.0
	30		29.0		24.0		76.4		140.3		94.2		232.0
	40		28.9		24.0		76.4		139.7		94.2		232.0
	50		28.8		23.9		74.5		131.0		94.0		228.4
	60		28.4		23.9		67.8		87.7		94.9		206.2
	70		23.3		24.1		44.7		32.6		81.4		146.7
80	(90.0)	16.9	(85.0)	21.6	(84.5)	13.0	(73.0)	(86.0)	30.6	(81.3)	25.7		
120	0	10.2	32.2	17.2	24.6	17.9	75.4	17.5	140.5	26.8	94.5		
	5		32.2		25.0		75.4		140.8		94.5		
	10		32.2		24.7		75.4		140.5		94.5		
	20		32.2		24.6		75.4		140.8		94.5		
	30		32.2		24.7		75.4		140.5		94.5		
	40		31.8		24.5		75.4		140.8		94.5		
	50		31.8		24.5		75.4		135.2		94.5		
	60		31.6		24.7		74.9		131.2		95.2		
	70		31.6		24.6		70.3		84.7		94.5		
	80		28.6		21.7		61.2		28.0		90.8		
	90		17.2		19.5		34.5				61.2		
100	(107.0)	11.0	(102.0)	18.1	(101.5)	8.6	(85.0)	(102.0)	22.3	(98.4)			

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

Injector Performance Table

Water Suction Capacity • Injector Inlet Pressure 60-120 PSIG													
Operating Pressure PSIG		Model 1585X		Model 1587		Model 2081		Model 2083X		Model 3090		Model 4091	
		1.5" Threads		1.5" Threads		2" Threads		2" Threads		3" Threads		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	319.9	61.3	275.8	119	631	31.5	1350	265	1242	460	2820
	5		318.8		275.8		631		1363		1242		2820
	10		317.8		275.8		631		851		1242		2820
	15		307.3		275.8		631		520		1242		2820
	20		288.7		275.8		631				1242		2820
	30		174.8		271.4		600				1236		2820
	35		76.4		259.4		509				1128		2760
	40				212.6		381				762		2520
	45		(38.2)		117.8		217		(17.9)		342		(49.0)
70	0	40.1	316.9	66.2	277.1	128	631	33.8	1430	286	1230	495	2760
	5		316.9		277.1		631		1510		1230		2760
	10		316.9		277.1		631		1261		1230		2760
	15		312.2		277.1		631		719		1230		2760
	20		301.0		277.1		631		439		1230		2760
	30		260.2		274.5		631				1230		2760
	40		68.3		263.5		529				1206		2760
	45				209.0		440				1098		2760
	50				151.3		326				720		1860
55	(44.7)	58.2	(57.0)	(58.5)	(20.9)	(58.5)	(60.5)	960					
80	0	42.9	321.7	70.8	275.9	137	631	34.8	1454	306	1230	532	2700
	5		321.7		275.9		631		1519		1230		2700
	10		321.7		275.9		631		1397		1230		2700
	15		321.7		275.9		631		826		1230		2700
	20		311.4		275.9		631		575		1230		2700
	30		287.2		275.9		631				1230		2700
	40		209.5		273.4		604				1230		2700
	50				229.9		506				1158		2700
	60				92.5		270				594		1800
65	(51.1)	51.4	(66.0)	(66.5)	(24.2)	(67.5)	(69.5)	840					
90	0	45.5	309.2	75.1	274.9	145	631	36.6	1486	324	1230	569	2520
	5		309.2		274.9		631		1527		1230		2520
	10		309.2		274.9		631		1481		1230		2520
	20		302.8		274.9		631		1086		1230		2520
	30		295.9		274.9		631		638		1230		2520
	40		270.8		274.9		631				1230		2520
	50		106.4		272.1		602				1230		2400
	60				208.2		459				1092		2340
	70				62.6		179				468		1680
75	(57.5)		(74.0)	(75.5)	(26.5)	(76.5)	(79.1)	840					
100	0	48.0	305.1	79.1	275.2	153	631	39.3	1448	342	1230	600	2520
	5		305.1		275.2		631		1524		1230		2520
	10		305.1		275.2		631		1450		1230		2520
	20		300.1		275.2		631		1010		1230		2520
	30		282.7		275.2		631		886		1230		2520
	40		273.8		275.2		631				1230		2520
	50		193.5		274.1		622				1230		2520
	60		14.7		265.7		594				1224		2520
	70				179.9		412				942		2340
80	(63.2)	62.6	(81.9)	(83.0)	(29.7)	(85.0)	(88.6)	900					
120	0	52.6		86.7	269.7	158	631	43.2	1457				
	5				269.7		631						
	10				269.7		631						
	20				269.7		631						
	30				269.7		631						
	40				269.7		631						
	50				269.7		631						
	60				270.1		612						
	70				268.9		595						
	80				226.1		523						
100	(75.3)	106.1	(97.9)	(100.9)	(36.5)								

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

Injector Performance Table

Air Suction Capacity • Injector Inlet Pressure 5-50 PSIG

Operating Pressure PSIG		Model 287		Model 384		Model 484		Model 484X		Model 584		Model 684	
		1/2" Threads		1/2" Threads		1/2" & 3/4" Threads		3/4" Threads		1/2" & 3/4" Threads		3/4" 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	0.29	0.5	0.7	0.6	1.1	5.5	1.1	7.8	2.0	8.8	3.4	9.1
	1		0.2		2.0		2.8		3.3		5.7		
	2				0.4		0.7		1.3		3.1		
	3				0.1		0.5		0.7		1.0		
	4		(3.5)		(3.9)		(4.4)		(3.5)		(4.4)		(4.3)
10	0	0.31	1.0	1.0	3.5	1.6	9.6	1.6	13.1	2.8	14.6	4.8	13.3
	2		0.5		1.6		3.1		3.9		5.9		9.4
	5				0.3		0.7		1.2		1.7		3.6
	7						0.3		0.4		0.8		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	15.5
	5		0.5		1.1		2.3		2.8		4.6		7.2
	7				0.6		1.3		1.5		2.7		4.4
	10						0.6		0.6		1.0		2.1
	12		(11.5)		(12.9)		(12.5)		0.3		(9.6)		(13.5)
20	0	0.50	3.0	1.3	8.9	2.3	14.7	2.3	21.5	4.0	20.6	6.7	23.6
	5		0.5		2.2		4.7		5.4		8.2		15.0
	10				0.6		1.3		1.5		2.9		5.7
	12						0.8		1.0		1.7		3.8
	15		(16.0)		(16.5)		(17.0)		0.5		(13.2)		(18.0)
25	0	0.57	3.5	1.5	9.6	2.6	15.8	2.6	24.8	4.5	23.2	7.5	27.6
	5		0.5		3.0		6.1		8.5		10.6		19.7
	10				1.2		2.1		2.1		4.8		8.3
	15						0.7		1.3		2.0		3.7
	20		(19.5)		(20.5)		(21.6)		0.4		(16.5)		(22.0)
30	0	0.63	3.5	1.6	10.0	2.8	16.6	2.8	27.4	4.9	26.1	8.2	30.5
	5		0.5		3.6		9.1		10.5		13.7		23.7
	10				1.5		3.9		3.3		6.8		11.9
	15				0.8		1.7		1.9		3.3		6.0
	20						0.7		0.8		1.8		3.4
25	(24.5)	(25.2)	(25.5)	0.3	(19.8)	(27.0)	0.6	(26.0)	1.3				
35	0	0.69	4.0	1.8	10.4	3.0	17.5	3.0	30.6	5.3	28.4	8.9	33.1
	5		0.5		3.8		11.8		14.3		18.6		25.9
	10				1.8		5.5		4.8		9.4		16.4
	15				1.0		2.6		2.4		5.3		8.9
	20				0.6		1.4		1.8		2.8		5.6
25	(27.0)	(28.6)	(29.5)	0.7	(23.5)	(31.5)	1.7	(29.5)	3.1				
40	0	0.74	4.5	1.9	10.7	3.2	18.2	3.2	32.9	5.7	30.8	9.5	35.1
	5		1.0		4.6		12.7		17.0		19.5		27.2
	10		0.5		2.3		7.5		7.3		10.9		21.0
	15				1.3		3.6		3.2		6.9		11.8
	20				0.8		1.9		2.4		4.2		8.1
25			1.2	0.8	2.7	4.9							
30	(31.0)	(32.0)	(33.3)	0.4	(26.1)	(35.5)	1.5	(35.0)	3.5				
45	0	0.79	4.5	2.0	11.6	3.4	19.3	3.4	33.0	6.0	31.6	10.1	37.0
	5		2.0		5.5		13.7		19.9		21.5		29.9
	10		0.5		2.9		8.4		9.0		12.7		23.6
	15				1.7		4.5		4.2		9.4		15.5
	20				1.0		2.9		2.6		5.8		9.8
25		0.7	1.7	2.1	3.9	6.6							
30			0.9	0.8	2.5	4.1							
35	(35.0)	(36.1)	(36.8)	0.5	(29.6)	(40.0)	1.4	(37.5)	2.6				
50	0	0.83	4.5	2.1	12.5	3.6	20.8	3.6	33.9	6.3	33.1	10.6	42.0
	5		2.5		6.2		15.3		23.5		22.6		33.0
	10		0.5		3.5		9.1		11.7		16.1		28.5
	15				2.0		5.1		5.4		10.3		19.5
	20				1.3		3.5		3.4		7.7		12.1
25			0.9	2.8	2.5	5.0	8.0						
30				1.4	2.0	3.6	5.9						
35				0.9	0.5	2.3	3.8						
40	(39.0)	(39.6)	(41.0)	0.4	(32.6)	(45.0)	1.4	(42.0)	2.1				

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

Injector Performance Table

Air Suction Capacity • Injector Inlet Pressure 5-50 PSIG

Operating Pressure PSIG		Model 784		Model 878-2		Model 885X-2		Model 978-2		Model 1078-2		Model 1583	
		3/4" Threads		1" Threads		1" Threads		1" Threads		1" Threads		1.5" 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	15.0	3.4	18.4	4.1	18.6	5.3	24.3	10.3	39.5
	1		9.9		5.4		9.1		5.2		17.1		
	2		4.8		1.6		1.5		1.8		4.0		
	3		2.2		0.4				0.9		2.1		
	4		(4.5)		1.0		(4.0)		(4.0)		0.4		(4.4)
10	0	6.1	19.4	5.0	33.9	4.8	26.9	5.8	30.0	7.4	40.1	14.5	85.3
	2		15.7		8.6		15.2		11.2		16.2		25.9
	5		5.7		2.9		1.8		3.1		4.1		8.3
	7		2.0		0.9				1.3		1.6		4.2
	8		(9.0)		0.9		(8.7)		(7.5)		(8.0)		0.9
15	0	7.5	28.9	6.1	36.1	5.9	38.4	7.0	38.0	9.1	48.6	17.8	114.9
	5		16.5		7.5		7.9		8.9		13.1		21.7
	7		8.8		3.8		3.4		5.6		7.9		13.9
	10		4.1		0.7				2.5		3.4		6.3
	12		(13.0)		1.9		(12.5)		(11.0)		(12.0)		1.3
20	0	8.6	33.8	7.0	44.3	6.8	47.1	8.1	44.1	10.5	55.0	20.6	133.2
	5		21.3		12.6		13.6		14.6		22.2		35.6
	10		8.1		4.3		3.6		6.1		8.6		14.8
	12		5.0		2.7				4.1		5.6		9.4
	15		(17.5)		2.4		(16.5)		(14.0)		(16.8)		2.1
25	0	9.7	40.1	7.8	44.8	7.6	57.2	9.1	48.1	11.7	60.9	23.0	139.5
	5		29.1		17.4		28.0		18.7		33.3		48.8
	10		14.0		6.8		7.2		8.7		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)		1.7
30	0	10.6	48.2	8.6	51.1	8.4	66.9	10.0	49.8	12.9	70.6	25.2	158.3
	5		32.6		26.1		46.3		26.6		46.4		56.7
	10		20.3		11.4		12.3		12.6		20.5		30.9
	15		9.6		6.4		5.6		7.2		11.2		16.3
	20		4.2		3.0		2.1		3.8		6.1		8.9
25	(26.5)	2.1	(26.1)	(20.5)	(26.5)	1.5	(26.0)	2.4	(26.0)	6.6			
35	0	11.4	46.5	9.3	51.9	9.0	87.5	10.8	48.2	13.9	74.0	27.2	161.4
	5		38.1		34.4		27.5		29.2		52.9		68.4
	10		29.8		14.1		16.0		16.3		24.7		36.2
	15		15.2		8.7		8.0		11.0		13.7		22.0
	20		8.2		4.8		4.3		6.9		9.1		13.6
25	(31.0)	4.1	(30.1)	(24.0)	(30.3)	3.3	(30.0)	5.5	(29.4)	10.3			
40	0	12.2	53.0	9.9	55.9	9.7	80.9	11.5	52.0	14.9	79.9	29.1	173.4
	5		44.9		40.7		39.2		38.7		57.9		79.2
	10		35.9		17.6		21.3		20.3		31.4		43.4
	15		20.5		11.7		11.3		13.2		18.9		28.4
	20		11.5		6.7		6.9		8.6		13.1		18.9
25	7.1	4.9	4.5	5.5	8.1	12.3							
30	(34.0)	3.2	(34.4)	(27.0)	(34.3)	3.3	(34.4)	4.4	(34.4)	9.7			
45	0	12.9	56.5	10.5	66.9	10.3	77.2	12.2	54.9	15.8	85.9	30.9	194.4
	5		48.2		42.2		48.7		42.5		62.8		97.5
	10		38.6		20.8		27.2		23.5		38.4		51.3
	15		29.1		12.8		14.7		16.2		23.3		34.0
	20		15.0		9.0		9.1		11.2		15.8		23.5
25	9.5	5.2	6.5	7.3	11.3	16.2							
30	6.0	4.2	3.5	4.9	7.0	13.0							
35	(38.0)	2.6	(38.4)	(31.0)	(38.7)	2.8	(38.7)	4.5	(37.5)	9.2			
50	0	13.6	58.2	11.1	64.9	10.8	83.9	12.9	61.2	16.6	87.7	32.5	195.1
	5		52.0		48.8		49.6		48.3		66.5		109.4
	10		43.1		23.8		32.3		27.0		42.4		59.1
	15		35.8		16.2		17.8		19.3		25.7		41.4
	20		20.4		10.4		11.3		13.8		16.2		28.2
25	13.6	8.4	7.6	10.0	12.8	18.9							
30	9.3	4.7	4.9	6.8	8.7	14.0							
35	6.0	4.4		4.6	5.3	9.8							
40	(42.8)	2.8	(42.3)	(36.0)	(42.1)	2.5	(43.9)	3.1	(41.9)	6.7			

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

Injector Performance Table

Air Suction Capacity • Injector Inlet Pressure 5-50 PSIG

Operating Pressure PSIG		Model 1584		Model 1585X		Model 1587		Model 2081		Model 3090		Model 4091	
		1.5" Threads		1.5" Threads		1.5" Threads		2" Threads		3" Threads		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	56.4	17.0	65.9	33	178.7	73		131	1200
	1		40.0		12.0		21.9		183.1		1151		
	2		31.8		6.9		15.7		122.3		1046		
	3		20.6				8.7		119.9		941		
	4		(4.0)		10.7		(3.5)		(4.1)		(4.5)		(4.0)
10	0	25.5	98.0	14.5	65.0	24.0	127.8	46	432.0	103	717	186	1830
	2		72.4		20.1		61.1		352.0		635		1305
	5		37.1		11.7		21.7		185.5		379		945
	7		20.6				9.8		119.9		293		868
	8		(8.5)		12.7		(6.5)		(8.7)		(9.0)		(8.5)
15	0	31.3	144.0	17.8	117.3	29.4	153.8	57	503.7	127	985	227	2355
	5		71.7		18.7		42.7		393.5		670		1300
	7		45.7		11.7		26.8		182.3		422		1118
	10		23.9		0.2		13.7		156.7		262		638
	12		(13.0)		9.4		(9.4)		(13.5)		(13.3)		(13.5)
20	0	36.1	170.0	20.6	130.8	33.9	173.1	66	813.0	146	1139	263	2273
	5		102.1		31.1		64.3		457.4		851		1574
	10		41.1		12.7		25.5		257.5		391		806
	12		31.2		6.4		18.8		191.9		296		701
	15		(17.0)		12.7		(12.7)		(17.0)		(17.5)		(17.0)
25	0	40.3	185.0	23.0	145.4	37.9	195.6	73	820.2	164	1241	294	2389
	5		128.9		48.6		91.1		630.4		1002		1691
	10		65.7		20.3		43.5		303.9		541		1166
	15		33.1		8.1		19.1		266.3		314		634
	20		(21.5)		12.0		(15.4)		(22.1)		(22.3)		(21.5)
30	0	44.2	194.0	25.2	169.3	41.5	230.5	80	844.2	179	1375	322	2564
	5		152.8		60.8		114.6		664.8		1139		1784
	10		99.4		25.7		54.8		379.0		680		1267
	15		54.4		14.8		30.0		346.2		386		921
	20		28.5		0.2		17.5		161.5		253		629
25	(26.0)	10.0	(19.3)	(25.6)	(26.0)	(25.5)	(26.0)	437					
35	0	47.7	206.0	27.2	175.6	44.9	230.7	87	959.4	194	1449	347	2746
	5		173.5		78.2		143.6		840.0		1244		2254
	10		123.4		34.2		70.9		511.8		747		1795
	15		72.4		20.6		41.6		423.5		451		1204
	20		39.8		10.5		27.0		268.7		299		787
25	(30.5)	22.6	(22.4)	(29.0)	(30.5)	(29.5)	(30.5)	619					
40	0	51.0	212.0	29.1	177.0	48.0	255.0	93	993.0	207	1359	371	2858
	5		188.7		87.4		189.7		935.4		1242		2423
	10		147.8		45.3		86.8		551.8		794		1895
	15		98.7		24.9		52.4		465.4		532		1310
	20		59.7		16.7		36.2		340.6		352		931
25	38.4	2.7	26.7	263.9	246	677							
30	(35.0)	21.9	(25.5)	(33.2)	(33.5)	(32.5)	(35.0)	542					
45	0	54.1	222.0	30.9	229.9	50.9	267.3	98	1021.8	219	1487	394	3114
	5		197.5		105.4		207.9		988.2		1401		2620
	10		157.7		51.2		91.2		652.8		1017		2226
	15		111.0		32.6		58.9		475.0		750		1612
	20		73.7		21.6		39.9		350.2		475		1190
25	49.7	12.2	28.2	215.9	345	854							
30	32.5		18.9	148.7	234	701							
35	(39.5)	21.2	(28.7)	(38.3)	(38.0)	(36.0)	(38.9)	600					
50	0	57.1	226.0	32.5	203.7	53.6	269.3	104	1036.2	231	1548	415	3140
	5		207.9		129.6		222.0		1020.0		1416		2940
	10		175.6		56.7		111.5		849.0		1167		2610
	15		133.1		38.1		70.7		696.0		787		1852
	20		96.7		27.4		51.7		432.0		548		1334
25	68.4	17.6	37.4	263.9	426	1070							
30	47.1	6.4	22.8	206.3	306	825							
35	31.8		19.6	139.1	226	605							
40	(42.5)	18.6	(32.4)	(41.0)	(41.5)	(40.5)	(43.1)	450					

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

Injector Performance Table

Air Suction Capacity • Injector Inlet Pressure 60-120 PSIG

Operating Pressure PSIG		Model 287 1/2" Threads		Model 384 1/2" Threads		Model 484 1/2" & 3/4" Threads		Model 484X 3/4" Threads		Model 584 1/2" & 3/4" Threads		Model 684 3/4" 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	0.91	6.0	2.3	4.0	4.0	4.0	4.0	6.9	11.6	11.6	11.6	11.6								
	5		1.1											13.5	8.0	20.2	17.0	30.3	36.6	26.7	35.0
	10													4.4	11.8	16.4	21.1	31.5	16.4	21.1	31.5
	15													2.8	7.7	10.2	13.6	27.6	10.2	13.6	27.6
	20													1.8	5.1	5.3	10.0	17.2	5.3	10.0	17.2
	30													1.0	2.5	2.8	5.7	9.4	2.8	5.7	9.4
	35													0.6	1.6	2.1	4.4	6.8	2.1	4.4	6.8
	40														1.3	1.3	2.9	5.3		2.9	5.3
	45		(47.0)														2.0	3.2		2.0	3.2
70	0	0.98	7.0	2.5	4.3	4.3	4.3	4.3	7.5	12.6	12.6	12.6	12.6								
	5		1.5											14.5	9.6	20.7	18.5	31.6	36.6	28.8	39.6
	10													5.5	14.6	20.9	23.6	35.2	23.6	35.2	
	15													3.7	10.1	15.2	17.2	23.6	15.2	17.2	
	20													2.4	7.0	7.6	12.8	27.1	7.6	12.8	
	30													1.3	3.9	3.7	8.1	13.6	3.7	8.1	
	40													0.9	2.2	2.4	4.7	8.2	2.4	4.7	
	45														1.6	1.8	3.8	5.9	1.8	3.8	
	50														1.0	1.0	2.7	4.5		2.7	
55	(55.0)				1.8	2.8		1.8	2.8												
80	0	1.05	7.0	2.7	4.6	4.6	4.6	4.6	8.0	13.4	13.4	13.4	13.4								
	5		1.1											15.9	11.3	21.4	20.0	38.2	38.0	31.1	41.9
	10													6.7	16.0	28.8	26.3	36.7	28.8	26.3	36.7
	15													4.8	11.8	18.3	22.0	34.5	18.3	22.0	34.5
	20													3.3	8.5	10.1	16.0	32.2	10.1	16.0	32.2
	30													1.9	5.1	5.1	10.4	17.1	5.1	10.4	17.1
	40													1.2	3.0	3.2	7.1	10.9	3.2	7.1	10.9
	50													0.9	1.7	2.1	4.7	6.6	2.1	4.7	6.6
	60														0.9	0.9	2.7	4.3		2.7	4.3
65	(63.0)				1.8	3.1		1.8	3.1												
90	0	1.11	7.0	2.8	4.9	4.9	4.9	4.9	8.5	14.3	14.3	14.3	14.3								
	5		1.1											17.2	12.9	22.0	20.4	39.8	38.6	32.8	43.1
	10													7.8	17.7	32.9	28.9	39.5	32.9	28.9	39.5
	20													4.1	10.3	16.0	19.8	34.4	16.0	19.8	34.4
	30													2.3	6.2	7.2	13.0	24.7	7.2	13.0	24.7
	40													1.6	4.4	4.5	8.8	14.8	4.5	8.8	14.8
	50													1.1	2.7	2.9	5.9	10.2	2.9	5.9	10.2
	60													0.8	1.6	1.6	3.9	7.2	1.6	3.9	7.2
	70														0.9	0.9	2.3	4.2		2.3	4.2
75	(71.0)				1.8	3.0		1.8	3.0												
100	0	1.17	7.0	3.0	5.1	5.1	5.1	5.1	9.0	15.0	15.0	15.0	15.0								
	5		1.1											17.9	13.9	22.0	20.9	42.7	39.3	35.3	43.6
	10													8.9	18.9	36.6	30.4	42.1	36.6	30.4	42.1
	20													4.7	12.2	18.7	23.1	38.2	18.7	23.1	38.2
	30													2.7	7.6	10.3	14.4	33.0	10.3	14.4	33.0
	40													1.9	5.5	6.1	11.0	18.1	6.1	11.0	18.1
	50													1.4	3.5	4.0	7.7	13.1	4.0	7.7	13.1
	60													1.1	2.1	2.7	5.3	9.5	2.7	5.3	9.5
	70													0.8	1.6	1.6	3.4	6.7	1.6	3.4	6.7
80	(79.0)				2.0	3.9		2.0	3.9												
120	0	1.28	7.0	3.3	5.6	5.6	5.6	5.6	9.8	16.5	16.5	16.5	16.5								
	5													19.6	15.4	22.9	21.9	48.8	40.4	38.5	43.9
	10													11.2	21.0	42.7	33.5	42.6	33.5	33.5	42.6
	20													6.2	15.4	26.1	27.5	39.9	27.5	27.5	39.9
	30													3.8	10.8	15.0	18.6	38.5	15.0	18.6	38.5
	40													2.7	7.8	8.5	14.0	27.3	8.5	14.0	27.3
	50													2.0	5.9	5.6	10.8	18.1	5.6	10.8	18.1
	60													1.5	4.2	4.2	7.6	13.7	4.2	7.6	13.7
	70													1.2	2.9	3.0	6.2	10.9	3.0	6.2	10.9
	80													1.0	2.0	2.0	4.4	8.3	2.0	4.4	8.3
	90																3.1	5.9		3.1	5.9
100	(95.0)				1.9	3.8		1.9	3.8												

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

Injector Performance Table

Air Suction Capacity • Injector Inlet Pressure 60-120 PSIG

Operating Pressure PSIG		Model 784		Model 878-2		Model 885X-2		Model 978-2		Model 1078-2		Model 1583			
		3/4" Threads		1" Threads		1" Threads		1" Threads		1" Threads		1.5" 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	14.9	59.4	12.1	11.8	14.1	18.2	35.6	214.2						
	5		57.5						71.4	120.5	73.1	91.5	150.3		
	10		49.4						54.9	58.3	57.0	76.3	75.6		
	15		44.1						33.5	45.1	37.3	57.6	75.6		
	20		44.1						20.3	23.0	24.7	34.5	52.6		
	30		35.0						14.7	16.4	18.2	24.4	39.6		
	35		15.5						7.8	8.8	10.7	14.0	20.8		
	40		10.4						5.8	6.6	7.9	10.4	16.9		
	45		8.1						4.4	3.0	5.7	7.3	11.9		
	(50.0)	4.9	(51.2)	(43.0)	(51.5)	(51.0)	(49.4)	10.4							
70	0	16.1	60.0	13.1	12.8	15.2	19.6	38.5	241.4						
	5		59.8						60.1	135.5	73.7	100.5	189.0		
	10		54.7						40.7	46.3	49.4	67.5	100.3		
	15		49.7						25.6	29.9	32.0	46.3	67.2		
	20		46.4						19.1	22.6	23.0	31.8	47.7		
	30		22.3						11.3	12.9	15.0	19.7	27.5		
	40		13.5						6.8	7.7	9.2	12.5	18.0		
	45		9.8						5.0	5.4	6.9	8.8	12.6		
	50		7.6						4.1	5.4	4.8	7.0	12.0		
	55		(58.3)						4.2	(58.3)	(51.0)	(60.0)	(58.9)	(56.7)	11.1
80	0	17.3	61.0	14.0	13.7	16.3	21.0	41.1	249.5						
	5		60.1						65.0	154.6	76.4	105.6	198.2		
	10		58.0						49.9	61.2	67.4	89.6	198.2		
	15		54.1						31.0	55.2	55.9	74.9	108.4		
	20		51.7						23.2	34.3	38.1	57.8	72.5		
	30		34.1						14.1	28.7	27.9	39.5	58.9		
	40		18.4						9.1	16.3	19.0	24.7	37.5		
	50		11.7						5.8	10.1	11.6	17.0	23.8		
	60		6.3						3.8	6.2	7.5	10.2	15.1		
	65		(67.0)						3.5	(67.5)	(57.0)	(67.5)	(68.5)	(65.0)	8.9
	90		0						18.3	62.0	14.9	14.5	17.2	22.3	43.6
5		62.0	69.6	168.1	87.9	112.7	208.4								
10		61.7	56.5	68.3	69.8	96.3	208.4								
20		56.2	27.0	61.7	61.2	81.7	139.5								
30		48.2	17.3	35.0	33.2	48.9	71.4								
40		25.3	12.1	19.8	22.6	29.4	47.4								
50		16.5	7.9	13.1	16.0	20.8	31.5								
60		11.0	5.1	8.8	9.9	14.9	21.9								
70		5.7	3.4	4.6	7.2	9.2	12.9								
75		(76.0)	3.6	(75.6)	(66.0)	(76.4)	(76.9)	(73.1)		7.2					
100	0	19.3	62.0	15.7	15.3	18.2	23.5	46.0	279.1						
	5		62.9						72.5	185.0	90.9	116.7	231.1		
	10		61.5						62.8	65.2	67.4	87.8	166.5		
	20		58.3						31.0	42.6	39.1	62.9	80.8		
	30		52.7						20.3	24.1	27.7	37.2	55.2		
	40		35.7						14.5	15.9	19.3	25.8	38.4		
	50		20.9						10.1	11.4	13.3	18.1	26.7		
	60		14.6						7.3	7.8	9.7	12.6	19.3		
	70		9.6						5.1	5.1	7.0	8.4	17.4		
	80		(85.0)						5.0	(84.5)	(73.0)	(85.1)	(86.0)	(81.3)	13.4
120	0	21.1	63.4	17.2	16.7	19.9	25.7	50.4	296.0						
	5		63.6						81.0	209.5	93.9	124.7	248.5		
	10		63.2						70.9	73.3	71.7	110.9	216.2		
	20		62.6						41.9	52.8	48.4	77.8	107.1		
	30		57.3						26.2	28.6	33.5	47.0	71.1		
	40		55.1						19.2	21.4	24.0	33.6	53.3		
	50		34.5						14.6	16.9	16.1	25.0	39.7		
	60		22.6						10.8	11.6	13.4	19.2	29.3		
	70		16.7						7.9	9.9	10.1	14.2	20.6		
	80		11.8						5.8	3.9	7.8	10.3	19.9		
	90		7.3						4.6	4.6	5.6	6.7	16.1		
100	(102.0)	2.5	(101.5)	(85.0)	(103.0)	(102.0)	(98.4)								

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

Injector Performance Table

Air Suction Capacity • Injector Inlet Pressure 60-120 PSIG

Operating Pressure PSIG		Model 1584		Model 1585X		Model 1587		Model 2081		Model 3090		Model 4091	
		1.5" Threads		1.5" Threads		1.5" Threads		2" Threads		3" Threads		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	238.0	35.6	232.6	58.8	306.7	114	1180.2	253	1710	455	3924
	5		219.2		182.1		250.7		1090.0		1560		3780
	10		190.9		77.8		161.9		959.4		1296		3435
	15		157.7		51.6		96.1		730.0		930		2940
	20		120.6		35.7		71.8		503.7		630		2303
	30		68.4		18.6		40.4		345.5		414		1415
	35		53.0		10.2		32.0		235.1		312		1065
	40		37.1				23.3		181.1		222		720
	45		(51.5)		25.9		(38.2)		(49.9)		21.9		(50.0)
70	0	67.5	244.0	38.5	261.3			123	1247.4	274	1812		
	5		232.1		213.6				1162.0		1710		
	10		207.9		90.3				1012.2		1518		
	15		179.2		60.0				808.0		1260		
	20		150.6		46.5				614.0		822		
	30		91.9		26.9				408.0		576		
	40		56.4		12.3				254.0		324		
	45		43.1						182.3		252		
	50		33.1						163.1		198		
55	(60.0)	21.2	(44.7)	(57.0)	(58.5)	134.3	(58.5)	90					
80	0	72.2	248.0	41.1	276.3			131	1283.4	293	1980		
	5		239.8		233.7				1261.0		1860		
	10		222.9		120.2				1098.0		1620		
	15		199.7		79.4				849.0		1350		
	20		174.2		59.0				672.0		1110		
	30		117.2		34.5				518.2		696		
	40		79.8		22.2				292.7		498		
	50		49.0		1.5				263.9		258		
	60		27.8						189.5		66		
65	(68.0)	17.9	(51.1)	(66.0)	(66.5)	160.6	(67.5)	12					
90	0	76.5	250.0	43.6	291.6			139	1302.6	310	2100		
	5		246.8		234.5				1290.0		2040		
	10		234.4		138.3				1083.0		1920		
	20		193.8		65.9				781.8		1326		
	30		142.2		41.9				638.4		798		
	40		98.1		27.7				393.5		630		
	50		68.4		13.2				340.6		456		
	60		46.4						302.3		300		
	70		26.5						220.6		150		
75	(77.0)	17.9	(57.5)	(74.0)	(75.5)	175.1	(76.5)	48					
100	0	80.7	252.0	46.0	318.2			147	1312.2	327	1980		
	5		252.2		250.7				1300.0		1860		
	10		245.2		188.6				1161.0		1332		
	20		208.6		76.9				940.2		1218		
	30		168.4		51.5				748.2		756		
	40		122.0		33.6				575.8		594		
	50		89.2		21.8				436.6		432		
	60		61.7		7.2				287.9		312		
	70		42.4						235.1		222		
80	(86.0)	25.2	(63.2)	(81.9)	(83.0)	163.1	(85.0)	90					
120	0	88.4	260.0	50.4	337.6								
	5		257.7		262.4								
	10		255.4		234.1								
	20		237.5		100.3								
	30		208.6		65.0								
	40		169.9		46.2								
	50		130.3		35.5								
	60		98.7		22.2								
	70		75.8		8.4								
	80		55.0										
90	37.1												
100	(103.0)	21.9	(75.3)	(97.9)									

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