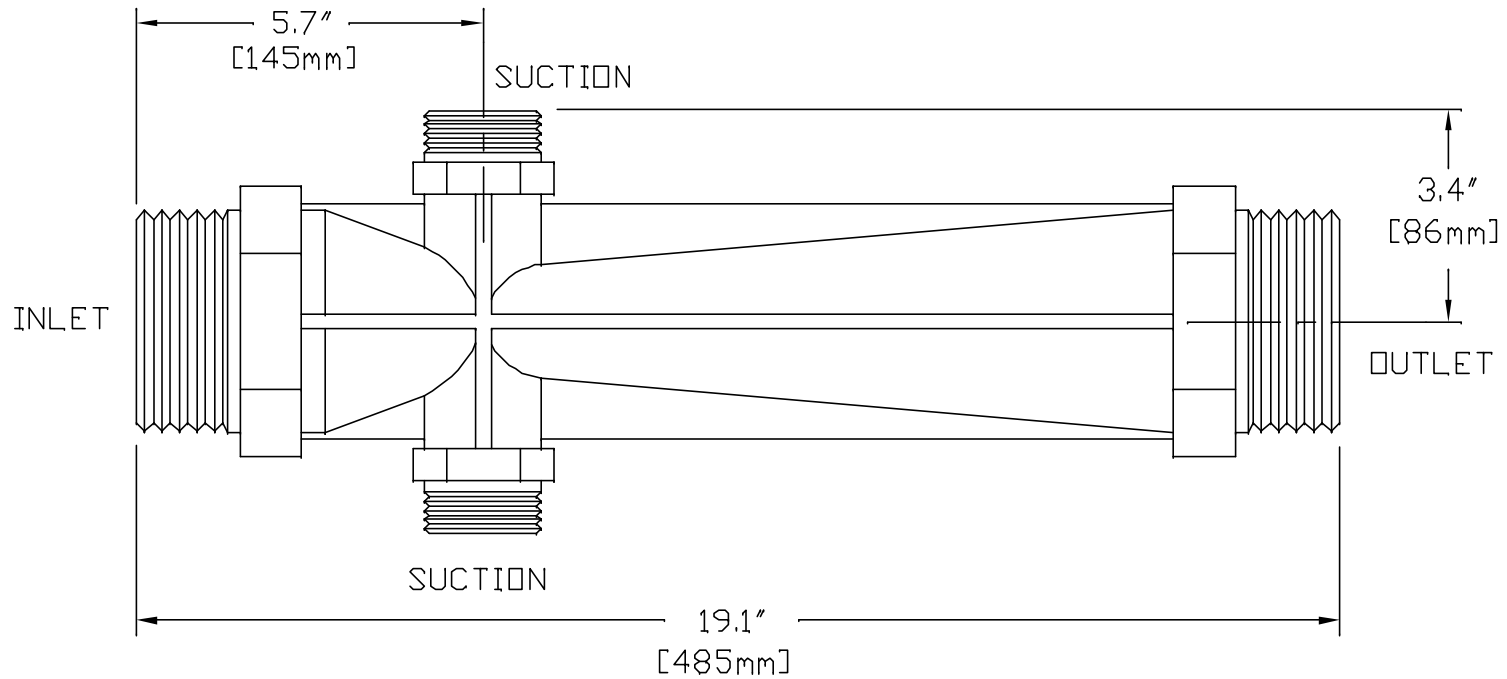
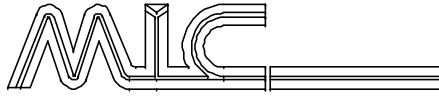


NOTES:

1. INLET AND OUTLET: 3" MNPT OR BSPT (ISO-R)
2. DUAL SUCTION PORTS: 1.5" MNPT OR BSPT (ISO-R)
3. MATERIAL OF CONSTRUCTION: PVDF (KYNAR)
4. MAXIMUM TEMPERATURE RATING: 200 F. (93.3 C.)
5. MAXIMUM PRESSURE RATING AT 68 F. (20 C.): 200 PSIG



 mazzei injector corporation Bakersfield, California, USA	DATE	12-15-00	TITLE		
	DRAWN BY	JRM	MODEL 3090 INJECTOR		
	REVIEWED BY	RST	NUMBER	JRM-15	SIZE
	SCALE	NONE			REV.
	MATERIALS:	SEE NOTES			PAGE (1) OF (1)

## Mazzei Injector Corporation Injector Performance Table

Injector Model 3090						Injector Model 3090 <span style="float: right;">7/23/2004</span>										
Operating Pressure PSIG		Liquid Suction (PSI @ 0 Suction)		Air Suction		Operating Pressure PSIG		Liquid Suction (PSI @ 0 Suction)		Air Suction						
Injector Inlet	Injector Outlet	Motive Flow GPM	Liquid Suction GPM	Motive Flow GPM	Air Suction SCFM	Injector Inlet	Injector Outlet	Motive Flow GPM	Liquid Suction GPM	Motive Flow GPM	Air Suction SCFM					
5	0	76	17.5	73		50	2	242	20.6	231	25.8					
	1		15.0				10		20.6		19.5					
	2		12.6				15		20.6		13.1					
	3		7.6				20		20.6		9.1					
	4	(4)	0.0				25		19.9		7.1					
10	1	108	24.1	103	11.9		60		30		265	14.7	253	5.1		
	2		24.1						35			8.3		3.8		
	5		14.5						40			(40.5)		Trace	Trace	
	7		6.6						2			20.7		28.5		
	8	(8.5)			10										20.7	21.6
15	2	132	23.9	127	16.4	70		20	286	20.7		274		28.5		
	5		23.8					10		20.7				21.6		
	7		17.4					20		20.7				10.5		
	10		9.2					25		20.7				8.0		
	12	(13.5)	5.0					30		20.6				6.9		
20	2	153	23.6	146	19.0		80	35		306	18.8		293	5.2		
	5		23.6					40			12.7			3.7		
	10		19.5					45			(49)			5.7	2.0	
	12		13.2					2			20.5			30.2		
	15	(17)	7.2												10	20.5
25	2	171	22.4	164	20.7	90		20	324		20.5	310		13.7		
	5		22.3					30			20.5			9.6		
	10		22.6					35			20.5			6.3		
	15		15.5					40			20.5			8.3		
	20	(21.5)	1.9					45			20.5			6.3		
30	2	187	21.8	179	22.9		100	50		342	19.3		327	33.0		
	5		21.8					55			15.0			3.4		
	10		21.8					60			9.9			1.1		
	15		21.4					65			(67.5)			5.0	0.2	
	20	9.6			2			20.5			35.0					
25	(25.5)			20		20.5			22.1							
35	2	202	21.5	194	24.2	90		30	324		20.5	310		13.3		
	5		21.5					40			20.5			10.5		
	10		21.1					45			20.5			9.0		
	15		19.8					50			20.5			7.6		
	20	15.1			55		20.6	5.4								
40	2	216	20.9	207	22.7		100	60		342	18.2		327	5.0		
	5		20.9					65			12.6			3.6		
	10		20.9					70			7.8			2.5		
	15		20.9					75			(76.5)			0.0	0.8	
	20	20.9			2			20.5			33.0					
25	18.5			20		20.5			20.3							
45	2	229	21.0	219	24.8	100		30	342		20.5	327		12.6		
	5		21.0					40			20.5			9.9		
	10		21.0					50			20.6			7.2		
	15		21.0					60			20.4			5.2		
	20	20.0			65		19.4	4.2								
50	25	(32.5)	16.0	207	5.8		100	70		342	15.7		327	3.7		
	30		9.7					75			10.6			3.1		
	35		(36)		0.5						80			(85)	6.3	1.5
	2		21.0					2			20.5			33.0		
	5	21.0													20	20.5
55	10	(36)	21.0	219	17.0	100		30	342		20.5	327		12.6		
	15		21.0					40			20.5			9.9		
	20		21.0					50			20.6			7.2		
	25		16.0					60			20.4			5.2		
	30	9.7			65			19.4			4.2					
60	35	(36)	9.7	219	3.9		100	70		342	15.7		327	3.7		
	40		0.5					75			10.6			3.1		
	45		(36)		0.5						80			(85)	6.3	1.5
	2		21.0					2			20.5			33.0		
	5	21.0													20	20.5
65	10	(36)	21.0	219	17.0	100		30	342		20.5	327		12.6		
	15		21.0					40			20.5			9.9		
	20		21.0					50			20.6			7.2		
	25		16.0					60			20.4			5.2		
	30	9.7			65			19.4			4.2					
70	35	(36)	9.7	219	3.9		100	70		342	15.7		327	3.7		
	40		0.5					75			10.6			3.1		
	45		(36)		0.5						80			(85)	6.3	1.5
	2		21.0					2			20.5			33.0		
	5	21.0													20	20.5
75	10	(36)	21.0	219	17.0	100		30	342		20.5	327		12.6		
	15		21.0					40			20.5			9.9		
	20		21.0					50			20.6			7.2		
	25		16.0					60			20.4			5.2		
	30	9.7			65			19.4			4.2					
80	35	(36)	9.7	219	3.9		100	70		342	15.7		327	3.7		
	40		0.5					75			10.6			3.1		
	45		(36)		0.5						80			(85)	6.3	1.5
	2		21.0					2			20.5			33.0		
	5	21.0													20	20.5
85	10	(36)	21.0	219	17.0	100		30	342		20.5	327		12.6		
	15		21.0					40			20.5			9.9		
	20		21.0					50			20.6			7.2		
	25		16.0					60			20.4			5.2		
	30	9.7			65			19.4			4.2					
90	35	(36)	9.7	219	3.9		100	70		342	15.7		327	3.7		
	40		0.5					75			10.6			3.1		
	45		(36)		0.5						80			(85)	6.3	1.5
	2		21.0					2			20.5			33.0		
	5	21.0													20	20.5
95	10	(36)	21.0	219	17.0	100		30	342		20.5	327		12.6		
	15		21.0					40			20.5			9.9		
	20		21.0					50			20.6			7.2		
	25		16.0					60			20.4			5.2		
	30	9.7			65			19.4			4.2					
100	35	(36)	9.7	219	3.9		100	70		342	15.7		327	3.7		
	40		0.5					75			10.6			3.1		
	45		(36)		0.5						80			(85)	6.3	1.5
	2		21.0					2			20.5			33.0		
	5	21.0													20	20.5

## Mazzei Injector Corporation Injector Performance Table

Injector Model 3090						Injector Model 3090 7/23/2004					
Operating Pressure Kg/cm2		Liquid Suction (Kg/cm2 @ 0 Suction)		Air Suction		Operating Pressure PSIG		Liquid Suction (Kg/cm2 @ 0 Suction)		Air Suction	
Injector Inlet	Injector Outlet	Motive Flow L/M	Liquid Suction L/M	Motive Flow L/M	Air Suction L/M	Injector Inlet	Injector Outlet	Motive Flow L/M	Liquid Suction L/M	Motive Flow L/M	Air Suction L/M
0.35	0.00	289	66	277		3.52	0.14	914	78.0	876	730.8
	0.07		57		78.0		551.0				
	0.14		48		78.0		371.6				
	0.21		29		78.1		258.8				
	0.28		0		75.3		201.1				
0.7	0.07	409	91	392		4.22	2.11	1001	55.6	959	144.2
	0.14		91		300		106.5				
	0.35		55		179		Trace				
	0.49		25		138						
	0.56		(0.60)		14						
1.05	0.14	501	90	480		4.92	0.14	1082	78.3	1036	807.1
	0.35		90		316		610.8				
	0.49		66		199		297.4				
	0.70		35		124		226.6				
	0.84		(0.95)		19		57		196.4		
1.41	0.14	578	89	554		5.62	0.14	1156	77.6	1108	854.3
	0.35		89		401		716.5				
	0.70		74		184		387.0				
	0.84		50		140		271.9				
	1.05		(1.20)		27		101		209.6		
1.76	0.14	646	85	619		6.33	0.14	1226	77.6	1175	934.6
	0.35		85		473		523.9				
	0.70		86		255		329.5				
	1.05		59		148		271.9				
	1.41		(1.51)		7		28		236.0		
2.11	0.14	708	83	678		7.03	0.14	1293	77.6	1238	934.6
	0.35		83		537		574.0				
	0.70		83		321		357.8				
	1.05		81		182		280.4				
	1.41		36		119		203.3				
2.46	0.14	765	81	733		7.03	2.11	1293	77.6	1238	148.2
	0.35		81		587		119.2				
	0.70		80		353		104.8				
	1.05		80		213		87.8				
	1.41		57		141		42.5				
2.81	0.14	818	79	783		7.03	2.81	1293	77.6	1238	934.6
	0.35		79		586		574.0				
	0.70		79		375		357.8				
	1.05		79		251		280.4				
	1.41		70		166		203.3				
3.16	0.14	867	79	831		7.03	3.87	1293	77.8	1238	148.2
	0.35		79		661		119.2				
	0.70		79		480		104.8				
	1.05		79		354		87.8				
	1.41		79		224		42.5				
3.16	1.76	867	61	831		7.03	4.22	1293	77.3	1238	148.2
	2.11		37		110		119.2				
	2.46		0		14		104.8				
	2.46		(2.53)		0		87.8				
	2.46		(2.53)		0		14		42.5		

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