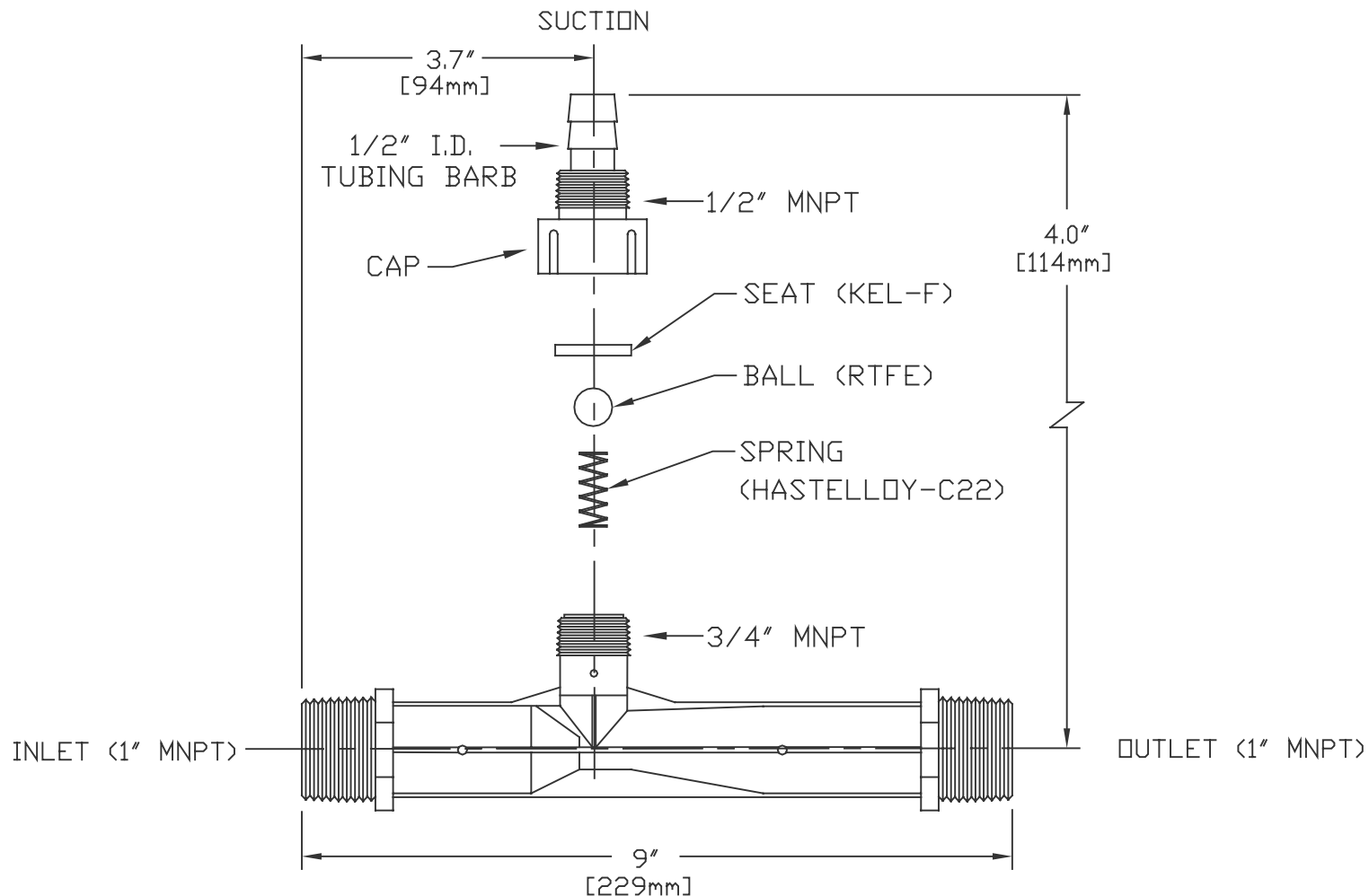


NOTES:

1. INLET AND OUTLET: 1" MNPT OR BSPT (ISO-R)
2. SUCTION PORT: 1/2" (ID) TUBING BARB OR 1/2" MNPT
3. MATERIAL OF CONSTRUCTION: GLASS REINFORCED POLYPROPYLENE OR PVDF (KYNAR)
4. MAXIMUM TEMPERATURE RATING:
 - POLYPROPYLENE: 150 F. (65.5 C.)
 - PVDF: 200 F. (93.3 C.)
5. MAXIMUM PRESSURE RATING: AT 68 F. (20 C.)
 - POLYPROPYLENE: 150 PSIG (10.3 BAR)
 - PVDF: 200 PSIG (13.8 BAR)



DISCLAIMER: Any recommendations for particular products and/or system design, whether contained in a document, within this drawing, communicated by electronic means, or given verbally, are intended solely as guides to actual system design. Said recommendations are based upon information supplied by others, the accuracy of which is beyond verification by Mazzei Injector Corp. (MIC). Likewise, the actual operation of any system utilizing the products or recommendations of MIC is equally beyond the control of MIC. Therefore, MIC cannot, and does not, warrant the suitability of its products for a particular service nor the performance of any system containing components made or sold by MIC.



Mazzei Injector Corporation
500 Rooster Drive
Bakersfield, California 93307 USA

DATE	2-23-04	TITLE		
DRAWN BY	JRM	MODEL 1078-02 INJECTOR		
REVISED				
REVISED BY		NUMBER	JRM-275	SIZE
SCALE	NONE	MATERIALS	SEE NOTES	PAGE (1) OF (1)

Mazzei Injector Corporation - Injector Performance Table							
Injector Model				1078-2			
Operating Pressure PSIG		Water Suction		Operating Pressure PSIG		Water Suction	
Injector Inlet	Injector Outlet	Motive Flow GPM	Water Suction GPH	Injector Inlet	Injector Outlet	Motive Flow GPM	Water Suction GPH
5	0	5.5	101.5	60	0	19.0	92.7
	1		46.4		5		92.7
	2		22.2		10		92.7
	3		2.7		15		92.7
	4				20		92.7
10	0	7.7	105.8		30		93.1
	2		75.7		35		91.7
	5		41.8		40		77.1
	7		19.2		45		44.4
	8		4.4		70		0
15	0	9.5	101.3	5		93.4	
	5		79.9	10		93.4	
	7		64.7	15		93.4	
	10		34.3	20		93.4	
	12		17.0	30		93.5	
20	0	11.0	98.2	40		92.3	
	5		95.4	45		81.9	
	10		70.0	50		54.5	
	12		51.5	55		28.8	
	15		30.3	80	0	93.9	
25	0	12.2	96.0		5	93.9	
	5		96.7		10	93.9	
	10		89.4		15	93.9	
	15		68.2		20	93.9	
	20		31.9		30	93.9	
30	0	13.4	94.4		40	94.8	
	5		94.5		50	91.5	
	10		94.5		60	52.9	
	15		82.1		65	33.0	
	20		55.4	90	0	94.5	
25	17.9	5	94.5				
35	0	14.5	94.0		10	94.5	
	5		94.0		20	94.5	
	10		94.0		30	94.5	
	15		91.9		40	95.6	
	20		74.1		50	94.4	
40	25	47.3	60		84.7		
	0	15.5	93.2		70	39.6	
	5		93.2		75	20.6	
	10		93.2	100	0	94.2	
	15		93.2		5	94.2	
	20		91.9		10	94.2	
25	72.2		20		94.2		
30	42.7	30	94.2				
35	36.7	40	94.2				
45	0	16.4	92.8	50	94.0		
	5		92.8	60	94.9		
	10		92.8	70	81.4		
	15		92.8	80	30.6		
	20		93.9	120	0	94.5	
	25		86.9		5	94.5	
	30		66.2		10	94.5	
35	36.7	20	94.5				
50	0	17.3	92.4		30	94.5	
	5		92.4		40	94.5	
	10		92.4	50	94.5		
	15		92.4	60	95.2		
	20		92.4	70	94.5		
	25		92.4	80	90.8		
	30		86.4	90	61.2		
	35		64.3	100	22.3		
40	35.0						

Mazzei Injector Corporation - Injector Performance Table							
Injector Model				1078-2			
Operating Pressure kg/cm2		Water Suction		Operating Pressure kg/cm2		Water Suction	
Injector Inlet	Injector Outlet	Motive Flow l/min	Water Suction LPH	Injector Inlet	Injector Outlet	Motive Flow l/min	Water Suction LPH
0.35	0.00	20.7	384.3	4.22	0.00	71.8	350.9
	0.07		175.7		0.35		350.9
	0.14		83.9		0.70		350.9
	0.21		10.3		1.05		350.9
	0.28				1.41		350.9
0.70	0.00	29.3	400.4		2.11		352.3
	0.14		286.5		2.46		347.2
	0.35		158.2		2.81		292.0
	0.49		72.6		3.16		168.1
	0.56		16.7		0.00		353.4
1.05	0.00	35.9	383.6	0.35	353.4		
	0.35		302.5	0.70	353.4		
	0.49		244.7	1.05	353.4		
	0.70		129.8	1.41	353.4		
	0.84		64.3	2.11	353.8		
1.41	0.00	41.5	371.8	2.81	349.5		
	0.35		361.3	3.16	309.8		
	0.70		264.9	3.52	206.4		
	0.84		195.0	3.87	109.0		
	1.05		114.8	0.00	355.4		
1.76	0.00	46.3	363.2	0.35	355.4		
	0.35		365.9	0.70	355.4		
	0.70		338.5	1.05	355.4		
	1.05		258.1	1.41	355.4		
	1.41		120.6	2.11	355.4		
2.11	0.00	50.8	357.1	2.81	358.7		
	0.35		357.6	3.52	346.5		
	0.70		357.6	4.22	200.1		
	1.05		310.6	4.57	125.0		
	1.41		209.8	0.00	357.6		
2.46	0.00	54.8	355.7	0.35	357.6		
	0.35		355.7	0.70	357.6		
	0.70		355.7	1.41	357.6		
	1.05		347.8	2.11	357.6		
	1.41		280.6	2.81	362.0		
2.81	0.00	58.6	352.7	3.52	357.1		
	0.35		352.7	4.22	320.6		
	0.70		352.7	4.92	149.9		
	1.05		347.7	5.27	77.9		
	1.41		273.3	0.00	356.5		
3.16	0.00	62.2	351.3	0.35	356.5		
	0.35		351.3	0.70	356.5		
	0.70		351.3	1.41	356.5		
	1.05		351.3	2.11	356.5		
	1.41		355.4	2.81	356.5		
3.52	0.00	65.5	349.9	3.52	355.7		
	0.35		349.9	4.22	359.3		
	0.70		349.9	4.92	308.0		
	1.05		349.9	5.62	115.8		
	1.41		349.9	0.00	357.5		
3.52	0.35	65.5	349.9	0.35	357.5		
	0.70		349.9	0.70	357.5		
	1.05		349.9	1.41	357.5		
	1.41		349.9	2.11	357.5		
	1.76		349.7	2.81	357.5		
	2.11		327.0	3.52	357.5		
	2.46		243.4	4.22	360.4		
	2.81		132.6	4.92	357.5		
3.52	0.00	65.5	349.9	5.62	343.8		
	0.35		349.9	6.33	231.7		
	0.70		349.9	7.03	84.5		
	1.05		349.9				
	1.41		349.9				
	1.76		349.7				
	2.11		327.0				
	2.46		243.4				

Mazzei Injector Corporation - Injector Performance Table							
Injector Model				1078-2			
Operating Pressure PSIG		Air Suction		Operating Pressure PSIG		Air Suction	
Injector Inlet	Injector Outlet	Motive Flow GPM	Air Suction SCFH	Injector Inlet	Injector Outlet	Motive Flow GPM	Air Suction SCFH
5	0	5.2	24.3	60	0	18.2	91.5
	1		6.4		5		76.3
	2		2.7		10		57.6
	3		1.5		15		34.5
	4				20		24.4
10	0	7.4	40.1		30		14.0
	2		16.2		35		10.4
	5		4.1		40		7.3
	7		1.6		45		4.5
	8						
15	0	9.1	48.6	70	0	19.6	100.5
	5		13.1		5		81.8
	7		7.9		10		67.5
	10		3.4		15		46.3
	12		2.2		20		31.8
20	0	10.5	55.0		30		19.7
	5		22.2		40		12.5
	10		8.6		45		8.8
	12		5.6		50		7.0
	15		3.2		55		4.5
25	0	11.7	60.9	80	0	21.0	105.6
	5		33.3		5		89.6
	10		14.3		10		74.9
	15		7.5		15		57.8
	20		3.4		20		39.5
30	0	12.9	70.6		30		24.7
	5		46.4		40		17.0
	10		20.5		50		10.2
	15		11.2		60		6.3
	20		6.1		65		4.6
35	0	13.9	74.0	90	0	22.3	112.7
	5		52.9		5		96.3
	10		24.7		10		81.7
	15		13.7		20		48.9
	20		9.1		30		29.4
40	0	14.8	79.9		40		20.8
	5		57.9		50		14.9
	10		31.4		60		9.2
	15		18.9		70		5.9
	20		13.1		75		4.3
45	0	15.7	85.9	100	0	23.5	116.7
	5		62.8		5		103.1
	10		38.4		10		87.8
	15		23.3		20		62.9
	20		15.8		30		37.2
50	0	16.6	87.7		40		25.8
	5		66.5		50		18.1
	10		42.4		60		12.6
	15		25.7		70		8.4
	20		16.2		80		5.6
50	25	16.6	11.3	120	0	25.7	124.7
	30		7.0		5		110.9
	35		4.5		10		97.9
	40		3.1		20		77.8
					30		47.0
					40		33.6
					50		25.0
					60		19.2
		70	14.2				
		80	10.3				
		90	6.7				
		100	5.2				

Mazzei Injector Corporation - Injector Performance Table							
Injector Model				1078-2			
Operating Pressure kg/cm2		Air Suction		Operating Pressure kg/cm2		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	19.9	11.5	4.22	0.00	68.8	43.2
	0.07		3.0		0.35		36.0
	0.14		1.3		0.70		27.2
	0.21		0.7		1.05		16.3
	0.28				1.41		11.5
0.70	0.00	28.1	18.9		2.11		6.6
	0.14		7.6		2.46		4.9
	0.35		2.0		2.81		3.5
	0.49		0.7		3.16		2.1
	0.56						
1.05	0.00	34.4	22.9	4.92	0.00	74.3	47.4
	0.35		6.2		0.35		38.6
	0.49		3.7		0.70		31.9
	0.70		1.6		1.05		21.9
	0.84		1.0		1.41		15.0
1.41	0.00	39.7	26.0		2.11		9.3
	0.35		10.5		2.81		5.9
	0.70		4.0		3.16		4.1
	0.84		2.7		3.52		3.3
	1.05		1.5		3.87		2.1
1.76	0.00	44.4	28.8	5.62	0.00	79.5	49.9
	0.35		15.7		0.35		42.3
	0.70		6.8		0.70		35.3
	1.05		3.6		1.05		27.3
	1.41		1.6		1.41		18.6
2.11	0.00	48.7	33.3		2.11		11.7
	0.35		21.9		2.81		8.0
	0.70		9.7		3.52		4.8
	1.05		5.3		4.22		3.0
	1.41		2.9		4.57		2.1
2.46	0.00	52.6	34.9	6.33	0.00	84.3	53.2
	0.35		25.0		0.35		45.5
	0.70		11.7		0.70		38.6
	1.05		6.5		1.41		23.1
	1.41		4.3		2.11		13.9
2.81	0.00	56.2	37.7		2.81		9.8
	0.35		27.3		3.52		7.0
	0.70		14.8		4.22		4.3
	1.05		8.9		4.92		2.8
	1.41		6.2		5.27		2.0
3.16	0.00	59.6	40.6	7.03	0.00	88.8	55.1
	0.35		29.7		0.35		48.6
	0.70		18.1		0.70		41.4
	1.05		11.0		1.41		29.7
	1.41		7.5		2.11		17.5
3.52	0.00	62.8	41.4		2.81		12.2
	0.35		31.4		3.52		8.5
	0.70		20.0		4.22		6.0
	1.05		12.1		4.92		4.0
	1.41		7.6		5.62		2.6
3.52	1.76	62.8	5.3	8.44	0.00	97.3	58.9
	2.11		3.3		0.35		52.4
	2.46		2.1		0.70		46.2
					1.41		36.7
					2.11		22.2
					2.81		15.9
					3.52		11.8
					4.22		9.1
		4.92	6.7				
		5.62	4.9				
		6.33	3.2				
		7.03	2.4				