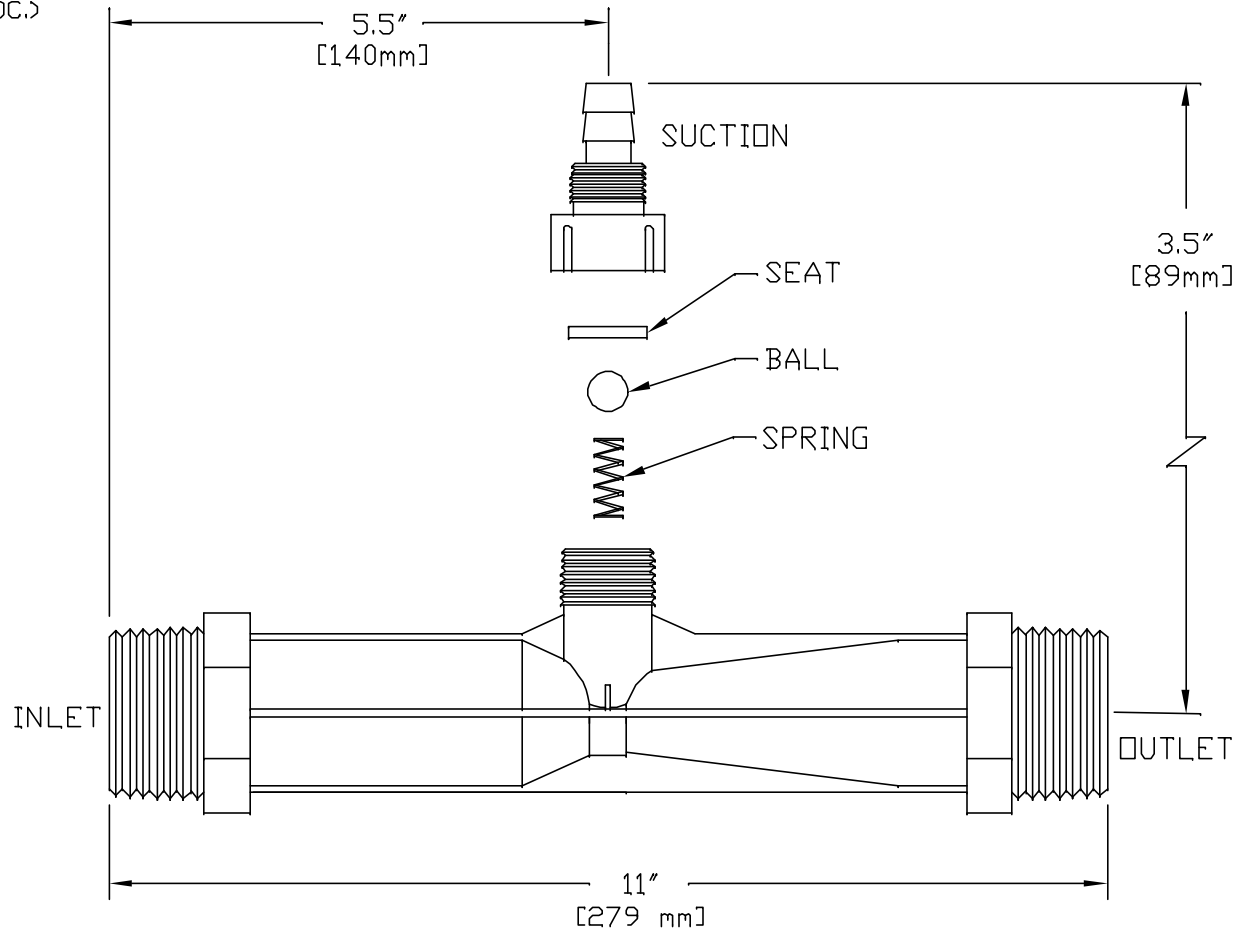


NOTES:

1. INLET & OUTLET: 1.5" MNPT OR BSPT (ISO-R)
2. SUCTION PORT: 1/2" TUBING BARB SHANK OR 1/2" MNPT WITH BUILT-IN CHECK VALVE WITH TEFLON BALL, KEL-F SEAT AND HASTELLOY-C SPRING
3. MATERIAL: 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. (20C.)
 POLYPROPYLENE: 150 PSIG (10.3 BAR)
 PVDF: 200 PSIG (13.8 BAR)



Covered By United States Patent No. 5,863,128
 International Patents Pending



DATE	12-19-00	TITLE	
DRAWN BY	JRM	MODEL 1585-X INJECTOR	
REVIEWED BY	RST	NUMBER	SIZE
SCALE	NONE	JRM-21	REV.
MATERIALS: SEE NOTES		PAGE (1) OF (1)	

Mazzei Injector Corporation - Injector Performance Table							
Injector Model				1585x			
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	10.7	123.5	60	0	37.2	319.9
	1		74.8		5		318.8
	2		26.3		10		317.8
	3				15		307.3
	4				20		288.7
10	0	15.2	241.5		30		174.8
	2		155.9		35		76.4
	5		43.4		40		
	7				45		
	8				70		0
0	262.0	5	316.9				
5	157.7	10	316.9				
7	86.6	15	312.2				
10		20	301.0				
15	12		30	260.2			
	0	21.5	308.6	40		68.3	
	5		231.9	45			
	10		120.2	50			
	12		39.3	55			
15			80	0	321.7		
0	324.6	5		321.7			
5	275.5	10		321.7			
10	204.5	15		321.7			
15	50.5	20		311.4			
20	20	24.0			30	287.2	
	0			323.1	40	209.5	
	5			299.7	50		
	10			251.2	60		
	15			137.5	65		
25	20	26.3		90	0	309.2	
	25				5	309.2	
	0		326.3		10	309.2	
	5		318.1		20	302.8	
	10		286.7		30	295.9	
30	15	28.4	204.1		40	270.8	
	20		66.7		50	106.4	
	25				60		
	0		324.3		70		
	5		321.3		75		
35	10	30.3	307.8	100	0	305.1	
	15		257.1		5	305.1	
	20		146.6		10	305.1	
	25		11.9		20	300.1	
	30				30	282.7	
40	0	32.2	326.0		40	273.8	
	5		324.1		50	193.5	
	10		318.1		60	14.7	
	15		287.2		70		
	20		210.2		80		
45	25	33.9	106.9	120	0		
	30				5		
	35				10		
	0		323.0		20		
	5		319.3		30		
50	10	33.9	315.5		40		
	15		296.7		50		
	20		251.8		60		
	25		156.8		70		
	30		45.4		80		
			90				
			100				

Mazzei Injector Corporation - Injector Performance Table							
Injector Model				1585x			
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	40.6	467.5	4.22	0.00	140.6	1210.7
	0.07		283.0		0.35		1206.8
	0.14		99.6		0.70		1202.8
	0.21				1.05		1163.2
	0.28				1.41		1092.9
0.70	0.00	57.4	914.2		2.11		661.8
	0.14		590.0		2.46		289.3
	0.35		164.1		2.81		
	0.49				3.16		
	0.56				0.00		1199.4
1.05	0.00	70.3	991.7	0.35	1199.4		
	0.35		597.0	0.70	1199.4		
	0.49		327.7	1.05	1181.5		
	0.70			1.41	1139.2		
	0.84			2.11	984.7		
1.41	0.00	81.2	1168.1	2.81	258.3		
	0.35		877.6	3.16			
	0.70		455.1	3.52			
	0.84		148.8	3.87			
	1.05			0.00	1217.7		
1.76	0.00	90.8	1228.7	0.35	1217.7		
	0.35		1042.9	0.70	1217.7		
	0.70		774.2	1.05	1217.5		
	1.05		191.2	1.41	1178.8		
	1.41			2.11	1087.0		
2.11	0.00	99.5	1222.8	2.81	793.0		
	0.35		1134.2	3.52			
	0.70		950.9	4.22			
	1.05		520.6	4.57			
	1.41			0.00	1170.2		
2.46	0.00	107.4	1235.0	0.35	1170.2		
	0.35		1204.0	0.70	1170.2		
	0.70		1085.0	1.41	1146.1		
	1.05		772.5	2.11	1120.1		
	1.41		252.3	2.81	1025.1		
2.81	0.00	114.8	1227.4	3.52	402.7		
	0.35		1216.2	4.22			
	0.70		1165.0	4.92			
	1.05		973.0	5.27			
	1.41		554.7	0.00	1154.8		
3.16	0.00	121.8	1233.9	0.35	1154.8		
	0.35		1226.6	0.70	1154.8		
	0.70		1204.0	1.41	1136.0		
	1.05		1087.0	2.11	1070.2		
	1.41		795.6	2.81	1036.3		
3.52	0.00	128.4	1222.6	3.52	732.5		
	0.35		1208.7	4.22	55.5		
	0.70		1194.0	4.92			
	1.05		1122.9	5.62			
	1.41		952.9	0.00			
4.22	0.00	140.6	914.2	0.35			
	0.14		590.0	0.70			
	0.35		164.1	1.41			
	0.49			2.11			
	0.56			2.81			
4.92	0.00	70.3	991.7	3.52			
	0.35		597.0	4.22			
	0.49		327.7	4.92			
	0.70			5.62			
	0.84			0.00			
5.62	0.00	90.8	1228.7	0.35			
	0.35		1042.9	0.70			
	0.70		774.2	1.41			
	1.05		191.2	2.11			
	1.41			2.81			
6.33	0.00	107.4	1235.0	3.52			
	0.35		1204.0	4.22			
	0.70		1085.0	4.92			
	1.05		772.5	5.27			
	1.41		252.3	0.00			
7.03	0.00	114.8	1227.4	0.35			
	0.35		1216.2	0.70			
	0.70		1165.0	1.41			
	1.05		973.0	2.11			
	1.41		554.7	2.81			
7.73	0.00	121.8	1233.9	3.52			
	0.35		1226.6	4.22			
	0.70		1204.0	4.92			
	1.05		1087.0	5.62			
	1.41		795.6	0.00			
8.44	0.00	128.4	1222.6	0.35			
	0.35		1208.7	0.70			
	0.70		1194.0	1.41			
	1.05		1122.9	2.11			
	1.41		952.9	2.81			
9.14	0.00	140.6	914.2	3.52			
	0.14		590.0	4.22			
	0.35		164.1	4.92			
	0.49			5.62			
	0.56			0.00			
9.84	0.00	151.9	991.7	0.35			
	0.35		597.0	0.70			
	0.49		327.7	1.41			
	0.70			2.11			
	0.84			2.81			
10.54	0.00	162.4	1168.1	3.52			
	0.35		877.6	4.22			
	0.70		455.1	4.92			
	0.84		148.8	5.27			
	1.05			0.00			
11.24	0.00	172.3	1228.7	0.35			
	0.35		1042.9	0.70			
	0.70		774.2	1.41			
	1.05		191.2	2.11			
	1.41			2.81			
11.94	0.00	181.6	1222.8	3.52			
	0.35		1134.2	4.22			
	0.70		950.9	4.92			
	1.05		520.6	5.62			
	1.41			0.00			
12.64	0.00	198.9	1235.0	0.35			
	0.35		1204.0	0.70			
	0.70		1085.0	1.41			
	1.05		772.5	2.11			
	1.41		252.3	2.81			
13.34	0.00	210.0	1227.4	3.52			
	0.35		1216.2	4.22			
	0.70		1165.0	4.92			
	1.05		973.0	5.62			
	1.41		554.7	0.00			
14.04	0.00	221.1	1233.9	0.35			
	0.35		1226.6	0.70			
	0.70		1204.0	1.41			
	1.05		1087.0	2.11			
	1.41		795.6	2.81			
14.74	0.00	232.2	1222.6	3.52			
	0.35		1208.7	4.22			
	0.70		1194.0	4.92			
	1.05		1122.9	5.62			
	1.41		952.9	0.00			
15.44	0.00	243.3	1222.6	0.35			
	0.35		1208.7	0.70			
	0.70		1194.0	1.41			
	1.05		1122.9	2.11			
	1.41		952.9	2.81			
16.14	0.00	254.4	1222.6	3.52			
	0.35		1208.7	4.22			
	0.70		1194.0	4.92			
	1.05		1122.9	5.62			
	1.41		952.9	0.00			
16.84	0.00	265.5	1222.6	0.35			
	0.35		1208.7	0.70			
	0.70		1194.0	1.41			
	1.05		1122.9	2.11			
	1.41		952.9	2.81			
17.54	0.00	276.6	1222.6	3.52			
	0.35		1208.7	4.22			
	0.70		1194.0	4.92			
	1.05		1122.9	5.62			
	1.41		952.9	0.00			
18.24	0.00	287.7	1222.6	0.35			
	0.35		1208.7	0.70			
	0.70		1194.0	1.41			
	1.05		1122.9	2.11			
	1.41		952.9	2.81			
18.94	0.00	298.8	1222.6	3.52			
	0.35		1208.7	4.22			
	0.70		1194.0	4.92			
	1.05		1122.9	5.62			
	1.41		952.9	0.00			
19.64	0.00	309.9	1222.6	0.35			
	0.35		1208.7	0.70			
	0.70		1194.0	1.41			
	1.05		1122.9	2.11			
	1.41		952.9	2.81			
20.34	0.00	321.0	1222.6	3.52			
	0.35		1208.7	4.22			
	0.70		1194.0	4.92			
	1.05		1122.9	5.62			
	1.41		952.9	0.00			
21.04	0.00	332.1	1222.6	0.35			
	0.35		1208.7	0.70			
	0.70		1194.0	1.41			
	1.05		1122.9	2.11			
	1.41		952.9	2.81			
21.74	0.00	343.2	1222.6	3.52			
	0.35		1208.7	4.22			
	0.70		1194.0	4.92			
	1.05		1122.9	5.62			
	1.41		952.9	0.00			
22.44	0.00	354.3	1222.6	0.35			
	0.35		1208.7	0.70			
	0.70		1194.0	1.41			
	1.05		1122.9	2.11			
	1.41		952.9	2.81			
23.14	0.00	365.4	1222.6	3.52			
	0.35		1208.7	4.22			
	0.70		1194.0	4.92			
	1.05		1122.9	5.62			
	1.41		952.9	0.00			
23.84	0.00	376.5	1222.6	0.35			
	0.35		1208.7	0.70			
	0.70		1194.0	1.41			
	1.05		1122.9	2.11			
	1.41		952.9	2.81			
24.54	0.00	387.6	1222.6	3.52			
	0.35		1208.7	4.22			
	0.70		1194.0	4.92			
	1.05		1122.9	5.62			
	1.41		952.9	0.00			
25.24	0.00	398.7	1222.6	0.35			
	0.35		1208.7	0.70			
	0.70		1194.0	1.41			
	1.05		1122.9	2.11			
	1.41		952.9	2.81			
25.94	0.00	409.8	1222.6	3.52			
	0.35		1208.7	4.22			
	0.70		1194.0	4.92			
	1.05		1122.9	5.62			
	1.41		952.9	0.00			
26.64	0.00	420.9	1222.6	0.35			
	0.35		1208.7	0.70			
	0.70		1194.0	1.41			
	1.05		1122.9	2.11			
	1.41		952.9	2.81			
27.34	0.00	432.0	1222.6	3.52			
	0.35		1208.7	4.22			
	0.70		1194.0	4.92			
	1.05		1122.9	5.62			
	1.41		952.9	0.00			
28.04	0.00	443.1	1222.6	0.35			
	0.35		1208.7	0.70			
	0.70		1194.0	1.41			
	1.05		1122.9	2.11			
	1.41		952.9	2.81			
28.74	0.00	454.2	1222.6	3.52			
	0.35		1208.7	4.22			
	0.70		1194.0	4.92			
	1.05		1122.9	5.62			
	1.41		952.9	0.00			
29.44	0.00	465.3	1222.6	0.35			
	0.35		1208.7	0.70			
	0.70		1194.0	1.41			
	1.05		1122.9	2.11			
	1.41		952.9	2.81			
30.14	0.00	476.4	1222.6	3.52			
	0.35		1208.7	4.22			
	0.70		1194.0	4.92			
	1.05		1122.9	5.62			
	1.41		952.9				

Mazzei Injector Corporation - Injector Performance Table									
Injector Model				1585x					
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	10.3	56.4	60	0	35.6	232.6		
	1		12.0		5		182.1		
	2		6.9		10		77.8		
	3				15		51.6		
	4				20		35.7		
10	0	14.5	65.0		30				18.6
	2		20.1		35				10.2
	5		11.7		40				
	7				45				
	8								
15	0	17.8	117.3	70	0	38.5	261.3		
	5		18.7		5		213.6		
	7		11.7		10		90.3		
	10		0.2		15		60.0		
	12				20		46.5		
20	0	20.6	130.8		30				26.9
	5		31.1		40				12.3
	10		12.7		45				
	12		6.4		50				
	15				55				
25	0	23.0	145.4	80	0	41.1	276.3		
	5		48.6		5		233.7		
	10		20.3		10		120.2		
	15		8.1		15		79.4		
	20				20		59.0		
30	0	25.2	169.3		30				34.5
	5		60.8		40				22.2
	10		25.7		50				1.5
	15		14.8		60				
	20		0.2		65				
35	0	27.2	175.6	90	0	43.6	291.6		
	5		78.2		5		234.5		
	10		34.2		10		138.3		
	15		20.6		20		65.9		
	20		10.5		30		41.9		
40	0	29.1	177.0		40				27.7
	5		87.4		50				13.2
	10		45.3		60				
	15		24.9		70				
	20		16.7		75				
45	0	30.8	229.9	100	0	46.0	318.2		
	5		105.4		5		250.7		
	10		51.2		10		188.6		
	15		32.6		20		76.9		
	20		21.6		30		51.5		
50	0	32.5	203.7		40				33.6
	5		129.6		50				21.8
	10		56.7		60				7.2
	15		38.1		70				
	20		27.4		80				
50	25	17.6		120	0	50.4	337.6		
	30	6.4			5		262.4		
	35				10		234.1		
	40				20		100.3		
					30		65.0		
					40		46.2		
					50		35.5		
					60		22.2		
			70		8.4				
			80						
			90						
			100						

Mazzei Injector Corporation - Injector Performance Table									
Injector Model				1585x					
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	38.9	26.6	4.22	0.00	134.8	109.8		
	0.07		5.7		0.35		86.0		
	0.14		3.3		0.70		36.7		
	0.21				1.05		24.4		
	0.28				1.41		16.8		
0.70	0.00	55.0	30.7				2.11		8.8
	0.14		9.5		2.46		4.8		
	0.35		5.5		2.81				
	0.49				3.16				
	0.56								
1.05	0.00	67.4	55.4	4.92	0.00	145.6	123.3		
	0.35		8.8		0.35		100.8		
	0.49		5.5		0.70		42.6		
	0.70		0.1		1.05		28.3		
	0.84				1.41		21.9		
1.41	0.00	77.8	61.7				2.11		12.7
	0.35		14.7		2.81		5.8		
	0.70		6.0		3.16				
	0.84		3.0		3.52				
	1.05				3.87				
1.76	0.00	87.0	68.7	5.62	0.00	155.7	130.4		
	0.35		22.9		0.35		110.3		
	0.70		9.6		0.70		56.7		
	1.05		3.8		1.05		37.5		
	1.41				1.41		27.9		
2.11	0.00	95.3	79.9				2.11		16.3
	0.35		28.7		2.81		10.5		
	0.70		12.1		3.52		0.7		
	1.05		7.0		4.22				
	1.41		0.1		4.57				
2.46	0.00	103.0	82.9	6.33	0.00	165.1	137.6		
	0.35		36.9		0.35		110.7		
	0.70		16.2		0.70		65.3		
	1.05		9.7		1.41		31.1		
	1.41		5.0		2.11		19.8		
2.81	0.00	110.1	83.6				2.81		13.1
	0.35		41.3		3.52		6.2		
	0.70		21.4		4.22				
	1.05		11.8		4.92				
	1.41		7.9		5.27				
3.16	0.00	116.8	108.5	7.03	0.00	174.0	150.2		
	0.35		49.8		0.35		118.3		
	0.70		24.2		0.70		89.0		
	1.05		15.4		1.41		36.3		
	1.41		10.2		2.11		24.3		
3.52	0.00	123.1	96.2				2.81		15.9
	0.35		61.2		3.52		10.3		
	0.70		26.8		4.22		3.4		
	1.05		18.0		4.92				
	1.41		12.9		5.62				
3.52	1.76		8.3	8.44	0.00	190.7	159.4		
	2.11		3.0		0.35		123.8		
	2.46				0.70		110.5		
	2.81				1.41		47.4		
					2.11		30.7		
					2.81		21.8		
					3.52		16.8		
					4.22		10.5		
			4.92		3.9				
			5.62						
			6.33						
			7.03						