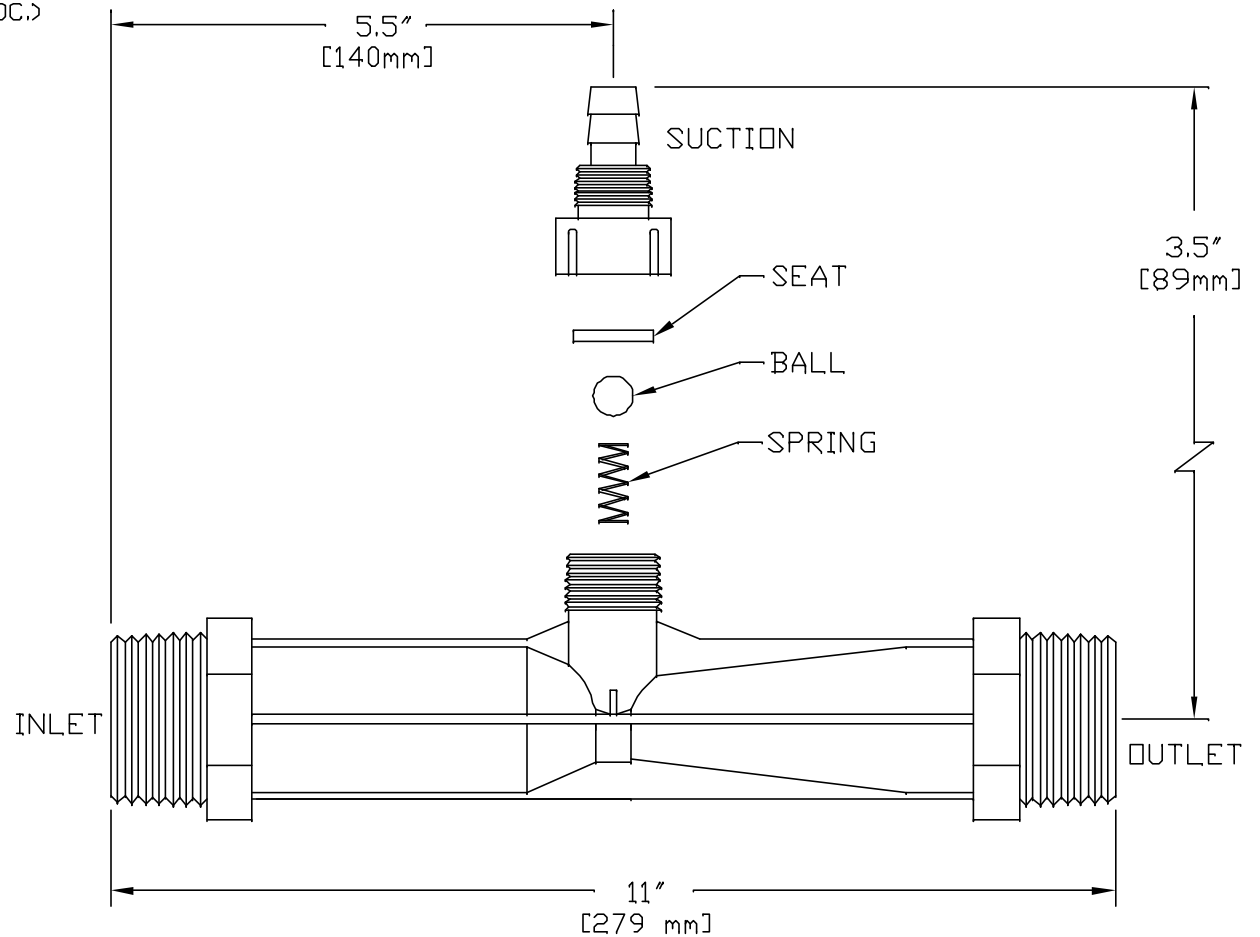


NOTES:

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



Mazzei Injector Company, LLC
 500 Rooster Drive, Bakersfield, CA 93307
 Tel: 661.363.6500 Fax: 661.363.7500

DATE	12-18-00	TITLE		
DRAWN BY	JRM	MODEL 1583-A INJECTOR		
REVIEWED BY	RST	NUMBER	SIZE	REV.
SCALE	NONE	JRM-19		
MATERIALS: SEE NOTES		PAGE (1) OF (1)		

Mazzei Injector Company, LLC- Injector Performance Table									
Injector Model				1583		6/11/04			
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	43.9	514.1	4.22	0.00	152.1	869.4		
	0.07		319.7		0.35		866.5		
	0.14		201.7		0.70		866.8		
	0.21				1.05		859.2		
	0.28				1.41		862.5		
0.70	0.00	62.1	832.2		2.11		781.6		
	0.14		544.1		2.46		690.2		
	0.35		298.1		2.81		560.0		
	0.49		159.2		3.16		311.1		
	0.56								
1.05	0.00	76.0	852.5	4.92	0.00	164.3	865.8		
	0.35		620.0		0.35		865.8		
	0.49		470.8		0.70		865.8		
	0.70		327.5		1.41		865.8		
	0.84		55.3		2.11		854.3		
1.41	0.00	87.8	863.1		2.81		751.6		
	0.35		777.4		3.16		604.0		
	0.70		543.3		3.52		471.0		
	0.84		498.3		3.87		163.8		
	1.05		250.6						
1.76	0.00	98.2	858.4	5.62	0.00	175.6	876.6		
	0.35		856.7		0.35		876.6		
	0.70		733.8		0.70		876.6		
	1.05		560.4		1.41		876.6		
	1.41		185.4		2.11		876.6		
2.11	0.00	107.5	857.3		6.33		2.81	186.3	834.5
	0.35		856.9				3.52		671.6
	0.70		801.1				4.22		352.7
	1.05		633.1				4.57		45.3
	1.41		475.2						
2.46	1.76		69.3	0.00		868.3			
	0.00	116.2	858.2	0.35		868.3			
	0.35		857.3	0.70		868.3			
	0.70		848.7	1.41		868.3			
	1.05		778.5	2.11		868.3			
1.41	623.7		2.81	867.1					
2.81	1.76		337.2	3.52	824.6				
	0.00	124.2	860.4	4.22	673.1				
	0.35		865.6	4.92	185.8				
	0.70		860.0	5.27					
	1.05		834.5						
1.41	729.9		7.03	0.00	196.4	878.3			
1.76	580.6	0.35		878.3					
2.11	308.3	0.70		878.3					
0.00	131.7	862.7		1.41		878.3			
0.35		863.9		2.11		878.3			
0.70		862.9		2.81		878.3			
1.05		845.9		3.52		864.6			
1.41		803.9		4.22		780.6			
3.16	1.76			662.0		4.92	555.2		
	2.11			428.0		5.62	97.4		
	2.46		178.4						
	0.00	138.8	860.8	0.00					
	0.35		860.8	0.35					
0.70	856.5		0.70						
1.05	853.9		1.41						
1.41	849.5		2.11						
3.52	1.76		770.9	2.81					
	2.11		652.6	3.52					
	2.46		456.4	4.22					
	2.81		153.2	4.92					
				5.62					
			6.33						
			7.03						

Mazzei Injector Company, LLC- Injector Performance Table									
Injector Model				1583		6/11/04			
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	38.4	18.6	4.22	0.00	133.0	101.1		
	0.07		8.1		0.35		70.9		
	0.14		1.9		0.70		35.7		
	0.21		1.0		1.05		24.8		
	0.28				1.41		18.7		
0.70	0.00	54.3	40.3				2.11		9.8
	0.14		12.2		2.46		8.0		
	0.35		3.9		2.81		5.6		
	0.49		2.0		3.16		4.9		
	0.56		1.4						
1.05	0.00	66.5	54.2	4.92	0.00	143.7	114.0		
	0.35		10.3		0.35		89.2		
	0.49		6.6		0.70		47.4		
	0.70		3.0		1.05		31.7		
	0.84		2.0		1.41		22.5		
1.41	0.00	76.8	62.9				2.11		13.0
	0.35		16.8		2.81		8.5		
	0.70		7.0		3.16		5.9		
	0.84		4.4		3.52		5.7		
	1.05		3.4		3.87		5.2		
1.76	0.00	85.9	65.8	5.62	0.00	153.6	117.8		
	0.35		23.0		0.35		93.5		
	0.70		11.1		0.70		51.2		
	1.05		5.6		1.05		34.2		
	1.41		3.7		1.41		27.8		
2.11	0.00	94.1	74.7				2.11		17.7
	0.35		26.7		2.81		11.2		
	0.70		14.6		3.52		7.1		
	1.05		7.7		4.22		5.9		
	1.41		4.2		4.57		4.2		
2.46	0.00	101.6	76.2	6.33	0.00	162.9	124.0		
	0.35		32.3		0.35		98.4		
	0.70		17.1		0.70		65.9		
	1.05		10.4		1.41		33.7		
	1.41		6.4		2.11		22.4		
2.81	0.00	108.6	81.9				2.81		14.9
	0.35		37.4		3.52		10.4		
	0.70		20.5		4.22		6.1		
	1.05		13.4		4.92		3.4		
	1.41		8.9		5.27				
3.16	0.00	116.8	91.7	7.03	0.00	171.8	131.7		
	0.35		46.0		0.35		109.1		
	0.70		24.2		0.70		78.6		
	1.05		16.0		1.41		38.1		
	1.41		11.1		2.11		26.1		
3.52	0.00	121.4	92.1				2.81		18.1
	0.35		51.7		3.52		12.6		
	0.70		27.9		4.22		9.1		
	1.05		19.6		4.92		8.2		
	1.41		13.3		5.62		6.3		
3.52	0.00	121.4	92.1	8.44	0.00	188.1	139.7		
	0.35		51.7		0.35		117.3		
	0.70		27.9		0.70		102.0		
	1.05		19.6		1.41		50.6		
	1.41		13.3		2.11		33.6		
	1.76		8.9		2.81		25.2		
	2.11		6.6		3.52		18.7		
	2.46		4.6		4.22		13.8		
2.81	3.2	4.92	9.7						
					5.62		9.4		
					6.33		7.6		
					7.03				