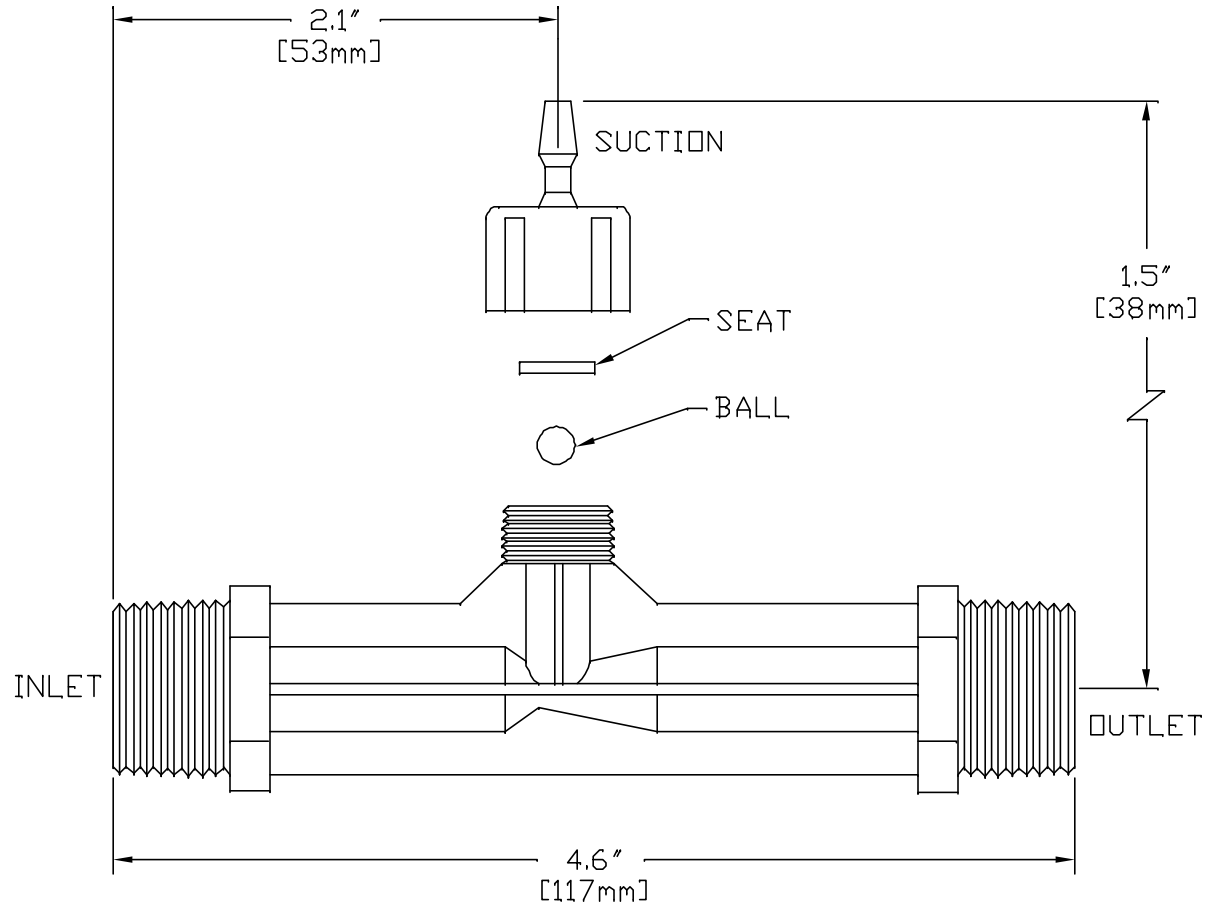
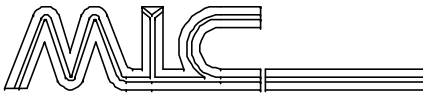


NOTES:

1. INLET & OUTLET: 1/2" MNPT
2. SUCTION PORT: 3/16" (ID) TUBING BARB SHANK
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)



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

 mazzei injector corporation Bakersfield, California, USA	DATE	12-14-00	TITLE		
	DRAWN BY	JRM	MODEL 283 INJECTOR		
	REVIEWED BY	RST	NUMBER	JRM-4	SIZE
	SCALE	NONE			REV.
MATERIAL: SEE NOTES			PAGE (1) OF (1)		

Mazzei Model 283 Injector

English					
Operating Pressure		Model 283		Model 283	
Injector Inlet (psig)	Injector Outlet (psig)	Motive Flow (gph)	Liquid Suction (gph)	Motive Flow (gph)	Air Suction (scfh)
5	0	10.2	3.2		
	1	10.2	2.0		
	2	10.1	1.1		
	3	10.0	<.1		
	4				
psi @ 0 Vacuum		9.9	(3.5)		
10	0	15.1	4.7		
	2	15.0	2.8		
	5	14.2	1.2		
	7				
	8				
psi @ 0 Vacuum		12.9	(7.0)		
15	0	17.8	5.4		
	5	17.5	2.7		
	7	17.0	1.7		
	10	16.1	<.1		
	12				
psi @ 0 Vacuum		15.9	(10.5)		
20	0	20.7	5.8		
	5	20.4	3.7		
	10	19.3	2.0		
	12	18.6	0.6		
	15				
psi @ 0 Vacuum		17.8	(15.0)		
25	0	22.1	5.9		
	5	22.0	4.8		
	10	21.2	2.6		
	15	20.4	0.7		
	20				
psi @ 0 Vacuum		20.1	(18.5)		
30	0	23.7	6.0		
	5	23.7	5.8		
	10	23.6	3.8		
	15	23.1	2.4		
	20	22.5	0.8		
25					
psi @ 0 Vacuum		22.1	(22.5)		
35	0	25.3	6.0		
	5	25.3	6.0		
	10	25.0	4.8		
	15	24.8	3.4		
	20	24.1	1.7		
25	23.8	0.6			
psi @ 0 Vacuum		23.5	(26.0)		
40	0	26.9	6.0		
	5	26.9	6.0		
	10	26.7	5.5		
	15	26.4	4.2		
	20	26.0	2.6		
25	25.7	1.2			
30					
psi @ 0 Vacuum		25.2	(29.5)		
45	0	28.3	6.0		
	5	28.3	6.0		
	10	28.2	5.8		
	15	27.8	4.9		
	20	27.6	3.4		
25	27.2	2.7			
30	26.7	1.0			
35					
psi @ 0 Vacuum		26.5	(33.5)		
50	0	29.7	6.0		
	10	29.7	6.0		
	15	29.5	5.7		
	20	28.9	4.7		
	25	28.5	3.5		
30	28.0	2.1			
35	27.7	0.7			
40					
psi @ 0 Vacuum		27.4	(37.0)		

Copyright: Mazzei Injector Corporation, 500 Rooster Drive, Bakersfield, CA 93307-9555

English					
Operating Pressure		Model 283		Model 283	
Injector Inlet (psig)	Injector Outlet (psig)	Motive Flow (gph)	Liquid Suction (gph)	Motive Flow (gph)	Air Suction (scfh)
60	0	33.0	6.0		
	10	33.0	6.0		
	20	33.0	5.7		
	25	32.5	4.9		
	30	32.3	3.8		
	35	32.2	2.4		
	40	31.8	1.3		
45	31.7	<.1			
psi @ 0 Vacuum		31.6	(45.5)		
70	0	35.3	6.0		
	10	35.3	6.0		
	20	35.3	6.0		
	30	35.0	5.2		
	35	34.8	4.0		
	40	34.7	2.9		
	45	34.6	1.9		
50	34.3	0.9			
55					
psi @ 0 Vacuum		34.0	(54.0)		
80	0	36.7	6.0		
	20	36.7	6.0		
	30	36.7	6.0		
	35	36.4	5.5		
	40	36.1	4.5		
	45	36.0	3.3		
	50	35.8	2.3		
55	35.7	1.0			
60					
65					
psi @ 0 Vacuum		35.3	(60.5)		
90	0	39.5	6.0		
	20	39.5	6.0		
	30	39.5	6.0		
	40	39.2	5.7		
	45	39.0	4.6		
	50	38.9	3.5		
	55	38.8	2.4		
60	38.7	1.6			
65	38.5	0.6			
70					
75					
psi @ 0 Vacuum		38.3	(68.0)		
100	0	41.8	6.0		
	20	41.8	6.0		
	40	41.8	6.0		
	50	41.5	5.0		
	60	41.2	3.0		
	65	41.0	2.3		
	70	40.9	1.2		
75	40.7	0.3			
80					
psi @ 0 Vacuum		40.6	(76.0)		
120	0	45.7	6.0		
	40	45.7	6.0		
	60	45.5	5.2		
	80	45.2	2.3		
	90	45.2	1.0		
95					
100					
psi @ 0 Vacuum		40.6	(93.0)		
140	0	49.5	6.3		
	40	49.5	6.3		
	60	49.5	6.3		
	70	49.2	5.9		
	80	49.0	4.5		
	90	48.8	3.0		
	100	48.7	1.3		
110					
120					
psi @ 0 Vacuum		48.5	(110)		

Mazzei Model 283 Injector

Operating Pressure		Metric			
Injector Inlet (Kg/cm2)	Injector Outlet (Kg/cm2)	Model 283		Model 283	
		Motive Flow (l/m)	Liquid Suction (l/m)	Motive Flow (l/m)	Air Suction (l/m)
0.35	0.00	0.6	0.20		
	0.07	0.6	0.13		
	0.14	0.6	0.07		
	0.21	0.6	<.1		
	0.28				
Kg/cm2@0 Vac		0.6	(0.25)		
0.70	0.00	1.0	0.30		
	0.14	0.9	0.18		
	0.35	0.9	0.08		
	0.49				
	0.56				
Kg/cm2@0 Vac		0.8	(0.49)		
1.05	0.00	1.1	0.34		
	0.35	1.1	0.17		
	0.49	1.1	0.11		
	0.70	1.0	<.1		
	0.84				
Kg/cm2@0 Vac		1.0	(0.74)		
1.41	0.00	1.3	0.37		
	0.35	1.3	0.23		
	0.70	1.2	0.13		
	0.84	1.2	<.1		
	1.05				
Kg/cm2@0 Vac		1.1	(1.05)		
1.76	0.00	1.4	0.37		
	0.35	1.4	0.20		
	0.70	1.3	0.16		
	1.05	1.3	<.1		
	1.41				
Kg/cm2@0 Vac		1.3	(1.30)		
2.11	0.00	1.5	0.38		
	0.35	1.5	0.37		
	0.70	1.5	0.24		
	1.05	1.5	0.15		
	1.41	1.4	0.05		
Kg/cm2@0 Vac		1.4	(1.58)		
2.46	0.00	1.6	0.38		
	0.35	1.6	0.38		
	0.70	1.6	0.30		
	1.05	1.6	0.21		
	1.41	1.5	0.11		
Kg/cm2@0 Vac		1.5	(1.83)		
2.81	0.00	1.7	0.38		
	0.35	1.7	0.38		
	0.70	1.7	0.35		
	1.05	1.7	0.26		
	1.41	1.6	0.16		
Kg/cm2@0 Vac		1.6	(2.07)		
3.16	0.00	1.8	0.38		
	0.35	1.8	0.38		
	0.70	1.8	0.37		
	1.05	1.8	0.31		
	1.41	1.7	0.21		
Kg/cm2@0 Vac		1.7	(2.35)		
3.52	0.00	1.9	0.38		
	0.70	1.9	0.38		
	1.05	1.9	0.36		
	1.41	1.8	0.30		
	1.76	1.8	0.22		
Kg/cm2@0 Vac		1.7	(2.60)		

Operating Pressure		Metric			
Injector Inlet (Kg/cm2)	Injector Outlet (Kg/cm2)	Model 283		Model 283	
		Motive Flow (l/m)	Liquid Suction (l/m)	Motive Flow (l/m)	Air Suction (l/m)
4.22	0.00	2.1	0.38		
	0.70	2.1	0.38		
	1.41	2.1	0.36		
	1.76	2.1	0.31		
	2.11	2.0	0.24		
	2.46	2.0	0.15		
	2.81	2.0	0.08		
Kg/cm2@0 Vac		2.0	(3.20)		
4.92	0.00	2.2	0.38		
	0.70	2.2	0.38		
	1.41	2.2	0.38		
	2.11	2.2	0.33		
	2.46	2.2	0.25		
	2.81	2.2	0.18		
	3.16	2.2	0.12		
Kg/cm2@0 Vac		2.1	(3.80)		
5.62	0.00	2.3	0.38		
	1.41	2.3	0.38		
	2.11	2.3	0.38		
	2.46	2.3	0.35		
	2.81	2.3	0.28		
	3.16	2.3	0.21		
	3.52	2.3	0.15		
Kg/cm2@0 Vac		2.2	(4.26)		
6.33	0.00	2.5	0.38		
	1.41	2.5	0.38		
	2.11	2.5	0.38		
	2.81	2.5	0.36		
	3.16	2.5	0.29		
	3.52	2.5	0.22		
	3.87	2.4	0.15		
Kg/cm2@0 Vac		2.4	(4.78)		
7.03	0.00	2.6	0.38		
	1.41	2.6	0.38		
	2.81	2.6	0.38		
	3.52	2.6	0.32		
	4.22	2.6	0.19		
	4.57	2.6	0.15		
	4.92	2.6	0.08		
Kg/cm2@0 Vac		2.6	(5.34)		
8.44	0.00	2.9	0.38		
	2.81	2.9	0.38		
	4.22	2.9	0.33		
	5.62	2.9	0.15		
	6.33	2.8	0.06		
	Kg/cm2@0 Vac		2.8	(6.54)	
9.84	0.00	3.1	0.40		
	2.81	3.1	0.40		
	4.22	3.1	0.40		
	4.92	3.1	0.37		
	5.62	3.1	0.28		
	6.33	3.1	0.19		
	7.03	3.1	0.08		
	Kg/cm2@0 Vac		3.1	(6.94)	

Copyright: Mazzei Injector Corporation, 500 Rooster Drive, Bakersfield, CA 93307-9555