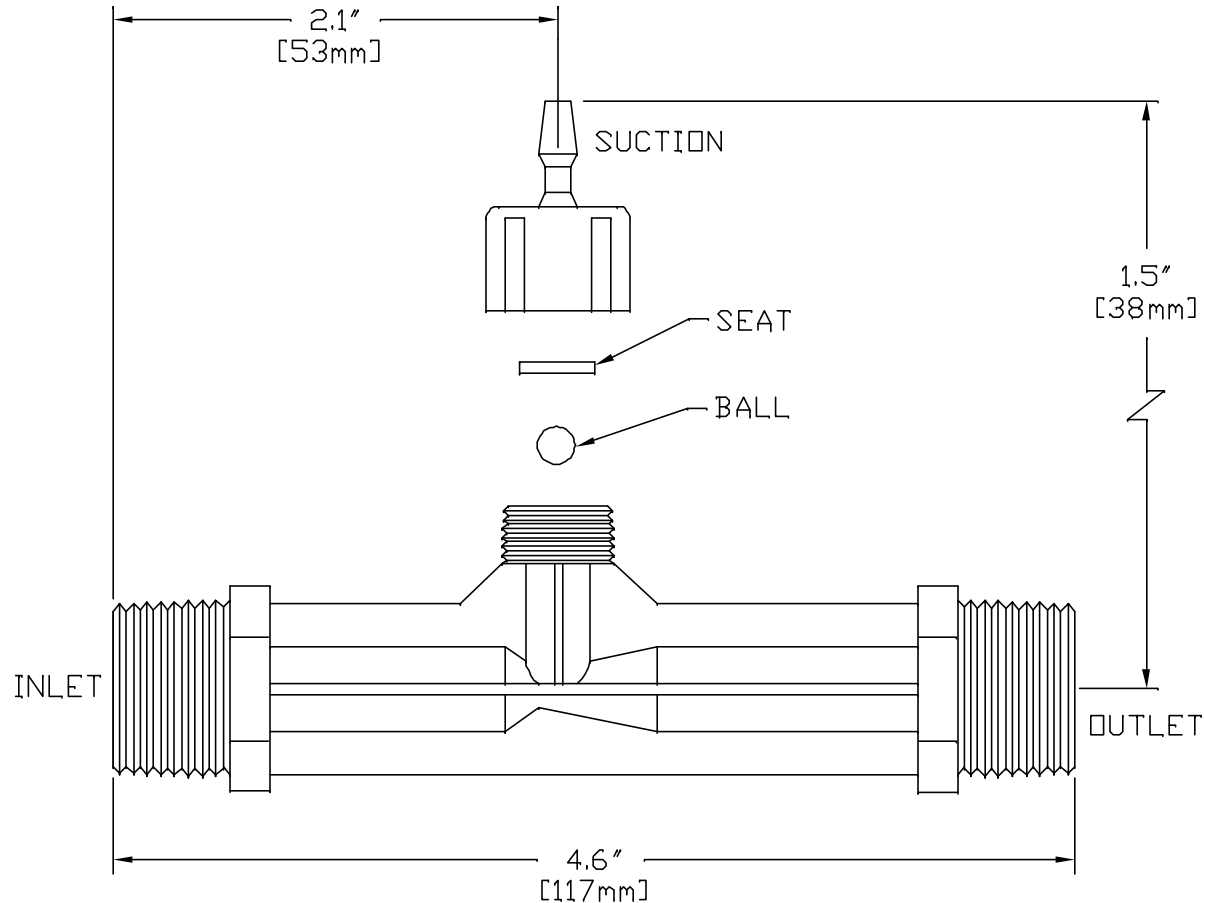


NOTES:

1. INLET & OUTLET: 1/2" MNPT
2. SUCTION PORT: 1/4" (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 Company, LLC  
 500 Rooster Drive, Bakersfield, CA 93307  
 Tel: 661.363.6500 Fax: 661.363.7500

DATE	12-14-00	TITLE	
DRAWN BY	JRM	MODEL 287 INJECTOR	
REVIEWED BY	RST	NUMBER	JRM-5
SCALE	NONE		
MATERIAL: SEE NOTES		PAGE (1) OF (1)	

### Mazzei Model 287 Injector

Metric					
Operating Pressure		Model 287		Model 287	
Injector Inlet (Kg/cm2)	Injector Outlet (Kg/cm2)	Motive Flow (l/m)	Liquid Suction (l/m)	Motive Flow (l/m)	Air Suction (l/m)
0.35	0.00	1.24	0.33	1.10	<0.25
	0.07	1.16	0.16		
	0.14	1.10	0.11		
	0.21	0.96	0.08		
	0.28				
	Kg/cm2@0 Vac	0.93	(0.25)		
0.70	0.00	1.36	0.39	1.19	0.5
	0.14	1.26	0.30	1.19	<0.25
	0.35	1.20	0.12		
	0.49	1.15	0.05		
	0.56				
	Kg/cm2@0 Vac	1.14	(0.54)		
1.05	0.00	1.70	0.43	1.56	0.9
	0.35	1.61	0.26	1.56	<0.25
	0.49	1.59	0.18		
	0.70	1.56	0.08		
	0.84				
	Kg/cm2@0 Vac	1.55	(0.81)		
1.41	0.00	2.02	0.44	1.91	1.4
	0.35	2.00	0.38	1.91	<0.25
	0.70	1.92	0.21		
	0.84	1.89	0.12		
	1.05	1.85	<0.1		
	Kg/cm2@0 Vac	1.83	(1.12)		
1.76	0.00	2.34	0.49	2.16	1.7
	0.35	2.28	0.44	2.16	<0.25
	0.70	2.21	0.28		
	1.05	2.15	0.15		
	1.41				
	Kg/cm2@0 Vac	2.13	(1.37)		
2.11	0.00	2.58	0.50	2.40	1.7
	0.35	2.57	0.50	2.40	<0.25
	0.70	2.50	0.35		
	1.05	2.45	0.23		
	1.41	2.43	0.11		
	1.76				
Kg/cm2@0 Vac	2.40	(1.72)			
2.46	0.00	2.78	0.51	2.62	1.9
	0.35	2.78	0.50	2.62	<0.25
	0.70	2.72	0.43		
	1.05	2.67	0.32		
	1.41	2.64	0.19		
	1.76	2.61	0.07		
Kg/cm2@0 Vac	2.59	(1.90)			
2.81	0.00	2.95	0.51	2.81	2.1
	0.35	2.95	0.51	2.81	0.5
	0.70	2.92	0.47	2.79	<0.25
	1.05	2.88	0.40		
	1.41	2.83	0.27		
	1.76	2.81	0.17		
2.11	2.78	<0.1			
Kg/cm2@0 Vac	2.76	(2.18)			
3.16	0.00	3.09	0.51	2.98	2.1
	0.35	3.09	0.51	2.98	0.9
	0.70	3.09	0.51	2.98	<0.25
	1.05	3.07	0.44		
	1.41	3.03	0.35		
	1.76	3.00	0.25		
2.11	2.98	0.15			
2.46					
Kg/cm2@0 Vac	2.95	(2.46)			
3.52	0.00	3.25	0.52	3.15	2.1
	0.70	3.25	0.52	3.15	<0.25
	1.05	3.25	0.50		
	1.41	3.24	0.37		
	1.76	3.20	0.28		
	2.11	3.15	0.19		
2.46	3.12	0.08			
2.81					
Kg/cm2@0 Vac	3.08	(2.74)			

Metric					
Operating Pressure		Model 287		Model 287	
Injector Inlet (Kg/cm2)	Injector Outlet (Kg/cm2)	Motive Flow (l/m)	Liquid Suction (l/m)	Motive Flow (l/m)	Air Suction (l/m)
4.22	0.00	3.54	0.52	3.44	2.8
	0.70	3.53	0.49	3.44	0.5
	1.41	3.53	0.49	3.44	<0.25
	1.76	3.50	0.46		
	2.11	3.48	0.36		
	2.46	3.46	0.26		
	2.81	3.44	0.17		
	3.16	3.42	<0.1		
Kg/cm2@0 Vac	3.40	(3.30)			
4.92	0.00	3.80	0.52	3.70	3.3
	0.70	3.80	0.52	3.70	0.7
	1.41	3.80	0.52	3.70	<0.25
	2.11	3.79	0.47		
	2.46	3.76	0.38		
	2.81	3.73	0.30		
	3.16	3.72	0.22		
	3.52	3.70	0.11		
3.87					
Kg/cm2@0 Vac	3.68	(3.87)			
5.62	0.00	4.05	0.52	3.96	3.3
	1.41	4.05	0.52	3.96	<0.25
	2.11	4.04	0.51		
	2.46	4.03	0.47		
	2.81	4.01	0.40		
	3.16	3.99	0.33		
	3.52	3.97	0.26		
	3.87	3.95	0.16		
4.22	3.93	0.06			
4.57					
Kg/cm2@0 Vac	3.92	(4.43)			
6.33	0.00	4.31	0.52	4.19	3.3
	1.41	4.31	0.52	4.19	0.5
	2.11	4.31	0.52	4.19	<0.25
	2.81	4.29	0.50		
	3.16	4.27	0.44		
	3.52	4.26	0.36		
	3.87	4.25	0.30		
	4.22	4.23	0.22		
4.57	4.21	0.13			
4.92	4.20	<0.1			
5.27					
Kg/cm2@0 Vac	4.20	(4.99)			
7.03	0.00	4.54	0.49	4.44	3.3
	1.41	4.54	0.49	4.44	0.5
	2.81	4.52	0.47	4.42	<0.25
	3.52	4.50	0.45		
	4.22	4.47	0.33		
	4.57	4.46	0.25		
	4.92	4.45	0.19		
	5.27	4.43	0.08		
5.62					
Kg/cm2@0 Vac	4.42	(5.55)			
8.44	0.00	4.99	0.40	4.84	3.3
	2.81	4.99	0.40	4.84	<0.25
	4.22	4.98	0.37		
	5.62	4.90	0.23		
	6.33	4.88	0.09		
	7.03				
Kg/cm2@0 Vac	4.86	(6.68)			
9.84	0.00	5.36	0.40	5.25	3.5
	2.81	5.36	0.40	5.25	<0.25
	4.22	5.36	0.40		
	4.92	5.35	0.38		
	5.62	5.33	0.35		
	6.33	5.31	0.28		
	7.03	5.27	0.18		
	7.73	5.23	<0.1		
8.44					
Kg/cm2@0 Vac	5.22	(7.07)			