

## Mazzei Model 1583-A Injector

English					
Operating Pressure		Model 1583-A		Model 1583-A	
Injector Inlet (psig)	Injector Outlet (psig)	Motive Flow (gpm)	Liquid Suction (gph)	Motive Flow (gpm)	Air Suction (scfh)
5	0	14.2	140	11.2	100
	1	12.1	85	11.1	25
	2	11.6	68	11.1	10
	3	10.9	45	10.9	6
	4	10.5	11	10.7	1
	psi @ 0 Vacuum	10.4	(4.3)		
10	0	19.0	180	15.1	150
	2	16.7	120	15.1	45
	5	15.8	87	15.0	11
	7	15.1	50	14.8	4
	8	14.7	11	14.6	3
	psi @ 0 Vacuum	14.5	(8.5)		
15	0	21.3	180	18.2	190
	5	19.6	127	18.0	30
	7	19.0	110	17.9	20
	10	18.0	70	17.9	8
	12	17.7	15	17.8	4
	psi @ 0 Vacuum	17.3	(12.5)		
20	0	23.9	180	20.7	210
	5	22.9	170	20.4	90
	10	21.6	120	20.4	18
	12	21.1	95	20.4	12
	15	20.4	45	20.3	6
	psi @ 0 Vacuum	20.0	(16.5)		
25	0	25.8	180	23.1	245
	5	25.8	180	22.9	130
	10	24.4	156	22.8	35
	15	23.4	97	22.8	15
	20	22.5	11	22.7	2
	psi @ 0 Vacuum	22.4	(20.5)		
30	0	27.6	180	25.5	275
	5	27.6	180	25.2	160
	10	27.0	172	25.0	60
	15	26.1	135	25.0	22
	20	25.3	85	25.0	10
	25				
psi @ 0 Vacuum	24.5	(25.0)			
35	0	29.5	180	27.1	300
	5	29.5	180	26.9	190
	10	29.5	180	26.8	100
	15	28.8	165	26.8	35
	20	27.8	120	26.8	18
	25	26.9	65	26.7	10
psi @ 0 Vacuum	26.5	(28.5)			
40	0	31.1	180	29.0	315
	5	31.1	180	28.9	225
	10	31.1	180	28.6	120
	15	30.7	180	28.5	60
	20	30.2	160	28.5	25
	25	30.0	105	28.5	16
	30	28.6	45	28.4	10
	psi @ 0 Vacuum	28.1	(32.5)		
45	0	32.7	180	30.7	330
	5	32.7	180	30.4	250
	10	32.7	180	30.2	150
	15	32.7	180	30.2	75
	20	32.2	175	30.2	30
	25	31.6	145	30.2	20
	30	31.0	100	30.2	14
	35	30.2	25	30.1	8
psi @ 0 Vacuum	29.9	(37.0)			
50	0	34.2	180	32.5	345
	10	34.2	180	32.0	165
	15	34.2	180	32.0	90
	20	34.0	180	32.0	35
	25	33.6	175	32.0	25
	30	33.0	140	31.9	18
	35	32.3	90	31.9	12
	40	31.7	15	31.8	8
psi @ 0 Vacuum	31.4	(41.0)			

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Injector Inlet (psig)	Injector Outlet (psig)	Motive Flow (gpm)	Liquid Suction (gph)	Motive Flow (gpm)	Air Suction (scfh)	
60	0	37.0	180	35.3	360	
	10	37.0	180	34.9	180	
	20	37.0	180	34.8	50	
	25	37.0	180	34.8	35	
	30	37.0	180	34.8	25	
	35	36.6	162	34.8	20	
	40	35.8	125	34.8	14	
	45	35.0	65	34.7	11	
psi @ 0 Vacuum	34.4	(49.5)				
70	0	40.5	180	38.9	375	
	10	40.5	180	38.5	195	
	20	40.5	180	38.5	90	
	30	40.5	180	38.5	35	
	35	40.5	180	38.5	27	
	40	40.0	165	38.5	22	
	45	39.4	135	38.5	16	
	50	38.8	85	38.5	13	
55	38.1	20	38.4	9		
psi @ 0 Vacuum	38.0	(57.0)				
80	0	43.0	180	41.5	390	
	20	43.0	180	41.2	105	
	30	43.0	180	41.2	40	
	35	43.0	180	41.2	33	
	40	43.0	180	41.2	28	
	45	42.8	175	41.2	22	
	50	42.5	150	41.2	18	
	55	42.0	125	41.2	14	
60	41.5	65	41.2	12		
65	41.0	15	41.0	9		
psi @ 0 Vacuum	40.8	(66.0)				
90	0	45.5	180	44.2	405	
	20	45.5	180	43.7	120	
	30	45.5	180	43.7	70	
	40	45.5	180	43.7	33	
	45	45.5	180	43.7	27	
	50	45.5	180	43.7	23	
	55	45.1	170	43.7	19	
	60	44.7	145	43.7	16	
65	44.3	110	43.7	14		
70	43.8	55	43.7	12		
75						
psi @ 0 Vacuum	43.2	(75.0)				
100	0	48.0	180	46.7	420	
	20	48.0	180	46.2	135	
	40	48.0	180	46.2	40	
	50	48.0	180	46.2	28	
	60	48.0	180	46.2	22	
	65	47.7	165	46.2	18	
	70	47.0	135	46.2	16	
	75	46.5	90	46.2	14	
80	46.0	35	46.1	12		
psi @ 0 Vacuum	45.6	(83.0)				
120	0	52.0	180	51.0	430	
	40	52.0	180	50.6	80	
	60	52.0	180	50.6	32	
	80	51.8	170	50.6	18	
	90	51.0	110	50.6	16	
	95	50.5	60	50.6	14	
	100					
	psi @ 0 Vacuum	50.0	(100)			
140	0	56.2	180	55.2	440	
	40	56.2	180	54.8	110	
	60	56.2	180	54.8	45	
	70	56.2	180	54.8	33	
	80	56.2	180	54.8	26	
	90	56.2	180	54.8	22	
	100	55.7	160	54.8	18	
	110	55.2	85	54.8	15	
psi @ 0 Vacuum	54.5	(119)				