

Suction Capacity of Mazzei Injectors at Various Operating Pressures

Operating Pressure (kPa)		Model 584 (20mm)		Model 1078-2 (25mm)		Model 1583-A (40mm)		Model 2081-A (50mm)		Model 4091 (100mm)	
Injector Inlet	Injector Outlet	Motive Flow (Lpm)	Water Suction (Lpm)	Motive Flow (Lpm)	Water Suction (Lpm)	Motive Flow (Lpm)	Water Suction (Lpm)	Motive Flow (Lpm)	Water Suction (Lpm)	Motive Flow (Lpm)	Water Suction (Lpm)
138	0	15.82	1.57	41.45	6.20	81.2	14.39	245.3	39.80	1030	177.9
	34		1.57		6.02		12.96		39.80		177.9
	69		1.50		4.42		9.06		29.50		170.3
	82		1.21		3.25		8.31		18.80		113.6
	103		0.92		1.91		4.18		9.60		45.4
207	0	19.38	1.60	50.76	5.95	99.5	14.29	300.5	39.80	1257	177.9
	34		1.60		5.96		14.28		39.80		177.9
	69		1.57		5.96		13.35		39.80		177.9
	103		1.59		5.18		10.55		32.30		162.8
	138		1.15		3.50		7.92		21.50		87.1
	173		0.73		1.13		1.15		3.90		15.1
276	0	22.37	1.62	58.63	5.88	114.8	14.34	347.1	39.80	1446	177.9
	34		1.61		5.88		14.43		39.80		177.9
	69		1.62		5.88		14.33		39.80		177.9
	103		1.61		5.88		13.91		39.80		177.9
	138		1.59		5.79		12.17		33.00		177.9
	173		1.35		4.56		9.68		24.90		117.3
	207		0.95		2.69		5.14		10.70		56.8
345	0	25.02	1.61	65.56	5.83	128.4	14.35	388.0	39.80	1575	177.9
	69		1.61		5.83		14.28		39.80		177.9
	138		1.60		5.83		14.16		39.80		177.9
	173		1.54		5.83		12.85		37.10		177.9
	207		1.36		5.45		10.88		28.60		166.5
	241		0.99		4.06		7.61		18.90		102.2
	276		0.18		2.21		2.55		7.30		22.7
413	0	27.4	1.67	71.8	5.85	140.7	14.49	425.1	39.80	1741	177.9
	69		1.67		5.85		14.45		39.80		177.9
	138		1.65		5.85		14.37		39.80		177.9
	207		1.60		5.87		13.03		37.90		177.9
	241		1.50		5.79		11.50		32.10		174.1
	276		1.27		4.87		9.33		24.00		159.0
	310		0.91		2.80		5.18		13.70		106.0
482	0	29.6	1.63	77.55	4.89	151.9	14.43	490.5	39.80	1874	174.1
	69		1.64		5.89		14.43		39.80		174.1
	138		1.63		5.89		14.43		39.80		174.1
	207		1.62		5.90		14.24		39.80		174.1
	276		1.62		5.83		12.53		33.40		174.1
	345		1.06		3.44		7.85		20.60		117.3
	380		0.57		1.82		2.73		9.00		60.6
551	0	31.64	1.65	82.89	5.92	162.4	14.61	520.4	39.80	2014	170.3
	69		1.65		5.92		14.61		39.80		170.3
	138		1.66		5.92		14.61		39.80		170.3
	207		1.66		5.92		14.61		39.80		170.3
	276		1.66		5.98		13.91		38.10		170.3
	345		1.58		5.77		11.19		31.90		170.3
	413		1.08		3.34		5.88		17.00		113.6
	448		0.50		2.08		0.76		3.80		53.0
621	0	33.57	1.71	87.93	5.96	172.3	14.47	548.4	39.80	2154	159.0
	69		1.71		5.96		14.47		39.80		159.0
	138		1.73		5.96		14.47		39.80		159.0
	207		1.72		5.96		14.47		39.80		159.0
	276		1.72		6.03		14.45		39.80		159.0
	345		1.72		5.95		13.74		39.00		151.4
	413		1.54		5.34		11.22		28.90		147.6
	482		0.84		2.50		3.10		11.30		106.0
	517		0.33		1.30		-		-		53.0
689	0	35.39	1.81	60.3	5.94	181.6	14.64	548.4	39.80	2271	159.0
	69		1.81		5.94		14.64		39.80		159.0
	138		1.84		5.94		14.64		39.80		159.0
	207		1.83		5.94		14.64		39.80		159.0
	276		1.82		5.94		14.64		39.80		159.0
	345		1.82		5.93		14.41		39.20		159.0
	413		1.70		5.99		13.01		37.50		159.0
	482		1.47		5.13		9.25		26.00		147.6
	551		1.06		1.93		1.62		7.60		56.8

Numbers in red brackets indicate the injector outlet pressure when suction stops (Zero Suction Point)