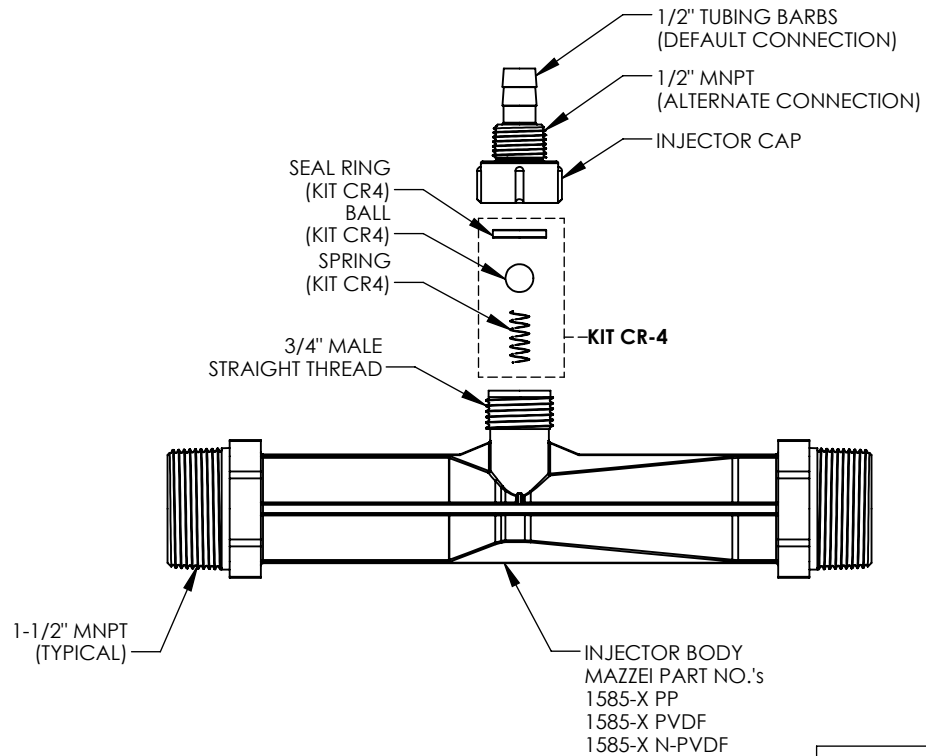


NOTES:

1. MADE IN THE U.S.A.
2. U.S. PATENT No. 5,863,128
3. U.S. No. 3,852,076 AND INTERNATIONAL REGISTERED TRADEMARKS
4. MATERIAL: GLASS FILLED POLYPROPYLENE (PP) OR POLYVINYLIDENE FLUORIDE (PVDF) OR NATURAL POLYVINYLIDENE FLUORIDE (N-PVDF).
5. INLET/OUTLET CONNECTION:
1-1/2" MNPT
6. SUCTION PORT CONNECTION:

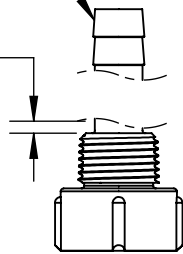
DEFAULT - 1/2" I.D. TUBING BARB WITH INTEGRATED CHECK VALVE

ALTERNATE - 1/2" MNPT - SEE ALTERNATE CAP MODIFICATION DETAIL
7. FOR INSTALLATION RECOMMENDATIONS REFER TO MAZZEI TECHNICAL BULLETINS No. 4, No. 5, No. 6, No. 10 AND No. 11, WHICH CAN BE FOUND AT WWW.MAZZEI.NET.
8. MAZZEI INJECTOR CO., LLC.
500 ROOSTER DR.
BAKERSFIELD, CA 93307
TEL: 661.363.6500
WEB: WWW.MAZZEI.NET



REMOVE HOSE BARBS FROM CAP AND DISCARD

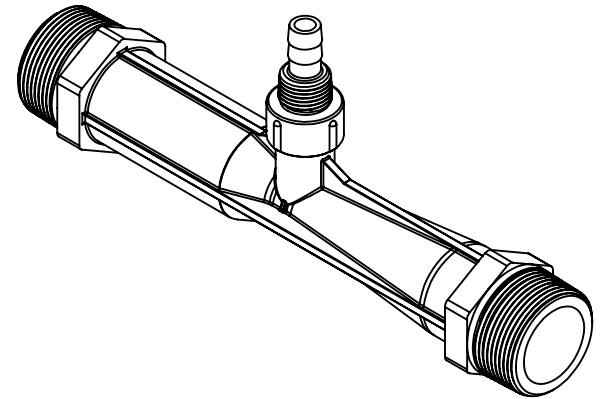
[3mm] MAXIMUM STICKOUT
0.13in



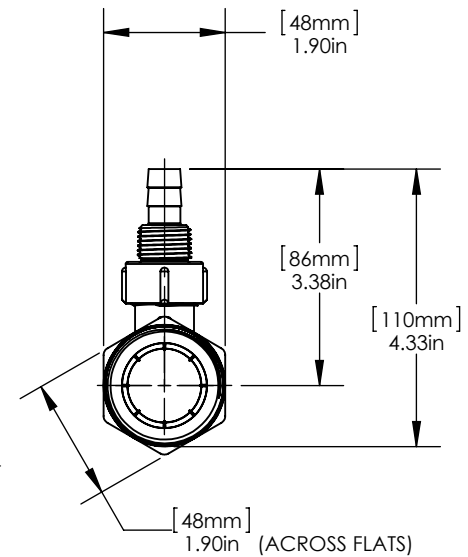
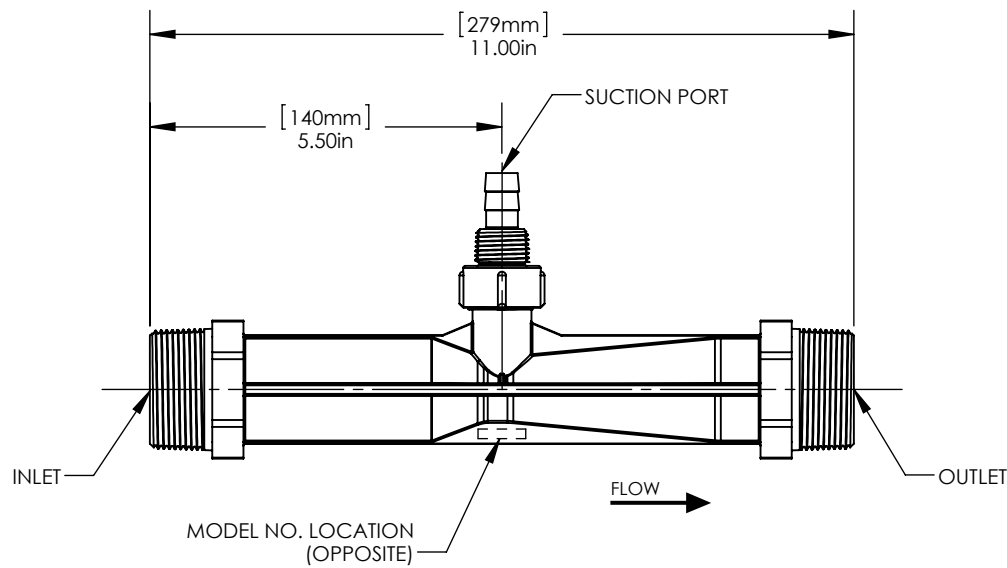
"CAP MODIFICATION DETAIL"
(ALTERNATE)


KIT CR-4	
TITLE	MATERIAL
BALL	TEFLON @ (PTFE)
SEAL RING	KEL-F @ (PCTFE)
SPRING	HASTELLOY C-22

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			TITLE: 1-1/2" INJECTOR; MODEL 1585-X		
DRAWN:	G. NOVINS		DRAWING NO.: 1585-X		
DATE:	7/23/2014	SIZE:	WEIGHT:	SCALE:	REV.:
APPROVED:	T. JOHNS	A	N/A	1:3	B
				SHEET:	1 OF 2



(ISOMETRIC VIEW)
(FOR REFERENCE ONLY)



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		 Mazzei	TITLE: 1-1/2" INJECTOR; MODEL 1585-X		
DRAWN: G. NOVINS	DATE: 7/23/2014		DRAWING NO.: 1585-X		
APPROVED: T. JOHNS	SIZE: A	WEIGHT: N/A	SCALE: 1:3	REV.: B	SHEET: 2 OF 2



Injector Performance Table
Water Suction Capacity

Operating Pressure PSIG		WATER SUCTION		Operating Pressure PSIG		WATER SUCTION	
Injector INLET	Injector OUTLET	Motive Flow GPM	Water Suction GPH	Injector INLET	Injector OUTLET	Motive Flow GPM	Water Suction GPH
5	0	10.7	123	60	0	37.2	319
	1		74.7		5		318
	2		26.3		10		317
	3				15		307
	4		*(3.5)		20		288
10	0	15.2	241		30		174
	2		155		35		76.4
	5		43.3		40		
	7				45		*(38.2)
	8		*(6.5)				
15	0	18.6	262	70	0	40.1	316
	5		157		5		316
	7		86.5		10		316
	10				15		312
	12		*(9.4)		20		300
20	0	21.4	308		30		260
	5		231		40		68.2
	10		120		45		
	12		39.3		50		
	15		*(12.7)		55		*(44.7)
25	0	24.0	324	80	0	42.9	321
	5		275		5		321
	10		204		10		321
	15		50.5		15		321
	20		*(15.4)		20		311
30	0	26.3	323		30		287
	5		299		40		209
	10		251		50		
	15		137		60		
	20		*(19.3)		65		*(51.1)
35	0	28.4	326	90	0	45.5	309
	5		318		5		309
	10		286		10		309
	15		204		20		302
	20		66.6		30		295
40	0	30.3	324		40		270
	5		321		50		106
	10		307		60		
	15		257		70		
	20		146		75		*(57.5)
45	0	32.2	326	100	0	48.0	305
	5		324		5		305
	10		318		10		305
	15		287		20		300
	20		210		30		282
50	25	33.9	106		40		273
	30				50		193
	35		*(28.7)		60		14.6
	40				70		
			*(32.4)		80		*(63.2)

Model 1585X

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 500 Rooster Drive, Bakersfield, CA 93307-9555 USA

TEL 661.363.6500 • FAX 661.363.7500 • www.mazzei.net

**NUMBERS IN PARENTHESIS indicate the injector outlet pressure when suction stops (Zero Suction Point).*



Injector Performance Table
Water Suction Capacity - METRIC

Operating Pressure kg/cm ²		WATER SUCTION		Operating Pressure kg/cm ²		WATER SUCTION	
Injector Inlet	Injector Outlet	Motive Flow l/min	Water Suction l/hr	Injector Inlet	Injector Outlet	Motive Flow l/min	Water Suction l/hr
0.35	0.00	40.6	467	4.22	0.00	141	1,210
	0.07		283		0.35		1,206
	0.14		99.5		0.70		1,202
	0.21				1.05		1,163
	0.28		*(0.25)		1.41		1,092
0.70	0.00	57.4	914		2.11		661
	0.14		589		2.46		289
	0.35		164		2.81		
	0.49				3.16		*(2.69)
	0.56		*(0.46)				
1.05	0.00	70.3	991	4.92	0.00	152	1,199
	0.35		597		0.35		1,199
	0.49		327		0.70		1,199
	0.70				1.05		1,181
	0.84		*(0.66)		1.41		1,139
1.41	0.00	81.2	1,168		2.11		984
	0.35		877		2.81		258
	0.70		455		3.16		
	0.84		148		3.52		
	1.05		*(0.89)		3.87		*(3.14)
1.76	0.00	90.8	1,228	5.62	0.00	162	1,217
	0.35		1,042		0.35		1,217
	0.70		774		0.70		1,217
	1.05		191		1.05		1,217
	1.41		*(1.08)		1.41		1,178
2.11	0.00	99.4	1,222		2.11		1,086
	0.35		1,134		2.81		792
	0.70		950		3.52		
	1.05		520		4.22		
	1.41		*(1.36)		4.57		*(3.59)
2.46	0.00	107	1,234	6.33	0.00	172	1,170
	0.35		1,204		0.35		1,170
	0.70		1,084		0.70		1,170
	1.05		772		1.41		1,146
	1.41		252		2.11		1,120
2.81	0.00	115	1,227		2.81		1,025
	0.35		1,216		3.52		402
	0.70		1,165		4.22		
	1.05		972		4.92		
	1.41		554		5.27		*(4.04)
3.16	0.00	122	1,233	7.03	0.00	182	1,154
	0.35		1,226		0.35		1,154
	0.70		1,204		0.70		1,154
	1.05		1,086		1.41		1,136
	1.41		795		2.11		1,070
3.52	0.00	128	1,222		2.81		1,036
	0.35		1,208		3.52		732
	0.70		1,194		4.22		55.4
	1.05		1,122		4.92		
	1.41		952		5.62		*(4.44)
1.76	593						
2.11	171						
2.46							
2.81	*(2.28)						

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**NUMBERS IN PARENTHESIS indicate the injector outlet pressure when suction stops (Zero Suction Point).*



Operating Pressure PSIG		AIR SUCTION		Operating Pressure PSIG		AIR SUCTION			
Injector INLET	Injector OUTLET	Motive Flow GPM	Air Suction SCFH	Injector INLET	Injector OUTLET	Motive Flow GPM	Air Suction SCFH		
5	0	10.3	56.3	60	0	35.6	232		
	1		12.0		5		182		
	2		6.9		10		77.7		
	3				15		51.6		
	4		*(3.5)		20		35.6		
10	0	14.5	64.9		30		18.5		
	2		20.0		35		10.1		
	5		11.6		40				
	7				45		*(38.2)		
	8		*(6.5)						
15	0	17.8	117		70		0	38.5	261
	5		18.7				5		213
	7		11.6				10		90.3
	10						15		59.9
	12		*(9.4)				20		46.4
20	0	20.6	130	30		26.9			
	5		31.1	40		12.2			
	10		12.7	45					
	12		6.4	50					
	15		*(12.7)	55		*(44.7)			
25	0	23.0	145	80		0	41.1		276
	5		48.5			5			233
	10		20.2			10			120
	15		8.0			15			79.3
	20		*(15.4)			20			59.0
30	0	25.2	169		30	34.4			
	5		60.8		40	22.2			
	10		25.7		50	1.4			
	15		14.7		60				
	20				65	*(51.1)			
35	0	27.2	175		90	0		43.6	291
	5		78.1			5			234
	10		34.2			10			138
	15		20.6			20			65.8
	20		10.5			30			41.9
40	0	29.1	177	40		27.6			
	5		87.4	50		13.2			
	10		45.3	60					
	15		24.9	70					
	25		16.6	75		*(57.5)			
45	0	30.8	229	100		0	46.0		318
	5		105			5			250
	10		51.1			10			188
	15		32.5			20			76.8
	20		21.6			30			51.5
50	0	32.5	203		40	33.5			
	5		129		50	21.8			
	10		56.6		60	7.1			
	15		38.1		70				
	20		27.4		80	*(63.2)			
60	0	35.6	122		120	0		50.4	337
	5		105			5			262
	10		51.1			10			234
	15		32.5			20			100
	20		21.6			30			64.9
70	0	38.5	117	40		46.2			
	5		18.7	50		35.5			
	7		11.6	60		22.2			
	10			70		8.3			
	12		*(9.4)	80					
80	0	41.1	145	90					
	5		48.5	100		*(75.3)			
	10		20.2						
	15		8.0						
	20		*(15.4)						
90	0	43.6	169						
	5		60.8						
	10		25.7						
	15		14.7						
	20		*(19.3)						
100	0	46.0	175						
	5		78.1						
	10		34.2						
	15		20.6						
	20		10.5						
110	0	48.8	177						
	5		87.4						
	10		45.3						
	15		24.9						
	25		16.6						
120	0	50.4	229						
	5		105						
	10		51.1						
	15		32.5						
	20		21.6						
130	0	53.2	122						
	5		105						
	10		51.1						
	15		32.5						
	20		21.6						
140	0	56.0	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
150	0	58.8	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
160	0	61.6	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
170	0	64.4	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
180	0	67.2	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
190	0	70.0	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
200	0	72.8	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
210	0	75.6	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
220	0	78.4	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
230	0	81.2	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
240	0	84.0	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
250	0	86.8	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
260	0	89.6	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
270	0	92.4	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
280	0	95.2	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
290	0	98.0	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
300	0	100.8	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
310	0	103.6	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
320	0	106.4	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
330	0	109.2	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
340	0	112.0	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
350	0	114.8	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
360	0	117.6	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
370	0	120.4	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
380	0	123.2	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
390	0	126.0	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
400	0	128.8	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
410	0	131.6	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
420	0	134.4	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
430	0	137.2	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
440	0	140.0	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
450	0	142.8	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
460	0	145.6	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
470	0	148.4	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
480	0	151.2	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
490	0	154.0	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
500	0	156.8	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
510	0	159.6	117						
	5		129						
	10		56.6						
	15		38.1						
	20		27.4						
520	0	162.4	117						
	5		129						



Injector Performance Table
Air Suction Capacity - METRIC

Operating Pressure kg/cm ²		AIR SUCTION		Operating Pressure kg/cm ²		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	38.9	26.6	4.22	0.00	135	109
	0.07		5.6		0.35		85.9
	0.14		3.2		0.70		36.7
	0.21				1.05		24.3
	0.28		*(0.25)		1.41		16.8
0.70	0.00	55.0	30.6		2.11		8.7
	0.14		9.4		2.46		4.7
	0.35		5.5		2.81		
	0.49				3.16		*(2.69)
	0.56		*(0.46)				
1.05	0.00	67.4	55.3	4.92	0.00	146	123
	0.35		8.8		0.35		100
	0.49		5.5		0.70		42.6
	0.70				1.05		28.3
	0.84		*(0.66)		1.41		21.9
1.41	0.00	77.8	61.7		2.11		12.6
	0.35		14.6		2.81		5.8
	0.70		6.0		3.16		
	0.84		3.0		3.52		
	1.05		*(0.89)		3.87		*(3.14)
1.76	0.00	87.0	68.6	5.62	0.00	156	130
	0.35		22.9		0.35		110
	0.70		9.5		0.70		56.7
	1.05		3.8		1.05		37.4
	1.41		*(1.08)		1.41		27.8
2.11	0.00	95.3	79.8		2.11		16.2
	0.35		28.7		2.81		10.4
	0.70		12.1		3.52		0.69
	1.05		6.9		4.22		
	1.41		*(1.36)		4.57		*(3.59)
2.46	0.00	103	82.8	6.33	0.00	165	137
	0.35		36.9		0.35		110
	0.70		16.1		0.70		65.2
	1.05		9.7		1.41		31.0
	1.41		4.9		2.11		19.7
2.81	0.00	110	83.5		2.81		13.0
	0.35		41.2		3.52		6.2
	0.70		21.3		4.22		
	1.05		11.7		4.92		
	1.41		7.8		5.27		*(4.04)
3.16	0.00	117	108	7.03	0.00	174	150
	0.35		49.7		0.35		118
	0.70		24.1		0.70		89.0
	1.05		15.3		1.41		36.2
	1.41		10.1		2.11		24.3
3.52	0.00	123	96.1		2.81		15.8
	0.35		61.1		3.52		10.3
	0.70		26.7		4.22		3.3
	1.05		17.9		4.92		
	1.41		12.9		5.62		*(4.44)
3.52	0.00	123	96.1	8.44	0.00	191	159
	0.35		61.1		0.35		123
	0.70		26.7		0.70		110
	1.05		17.9		1.41		47.3
	1.41		12.9		2.11		30.6
	1.76		8.2		2.81		21.8
	2.11		3.0		3.52		16.7
	2.46				4.22		10.4
2.81	*(2.28)	4.92	3.9				
		5.62					
		6.33					
		7.03	*(5.29)				

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