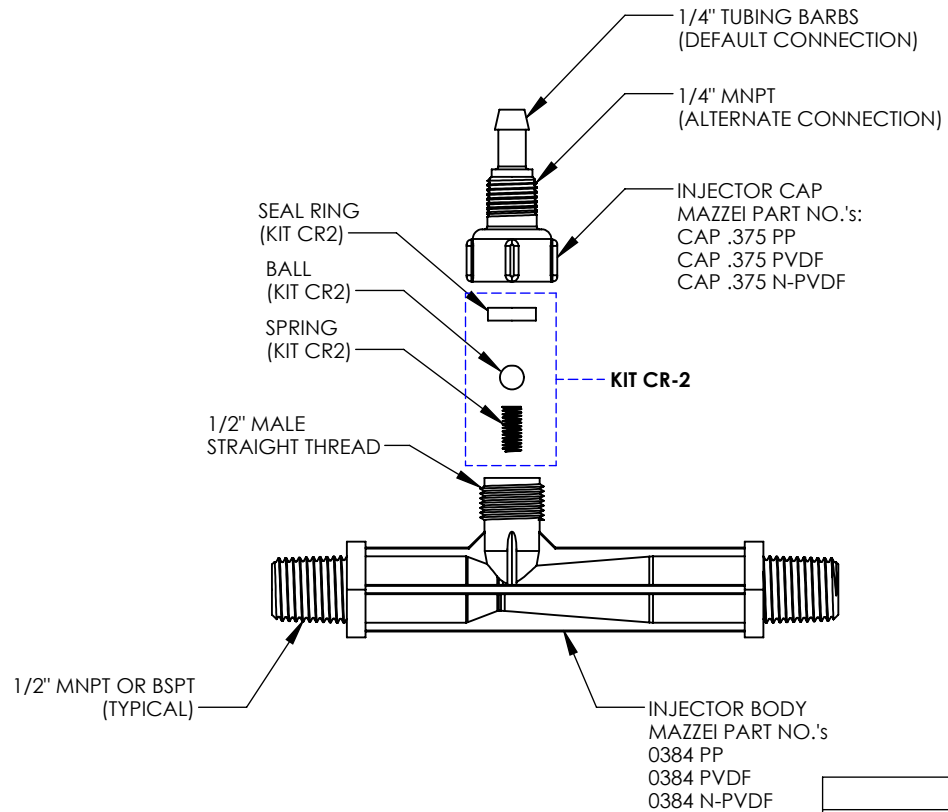
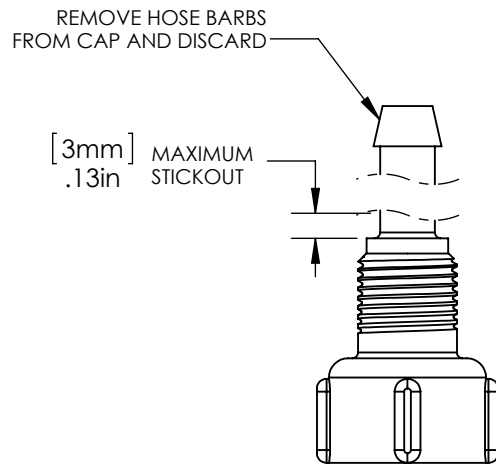


NOTES:

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).
5. INLET/OUTLET CONNECTION:  
1/2" MNPT OR BSPT
6. SUCTION PORT CONNECTION:  
  
DEFAULT - 1/4" I.D. TUBING BARB WITH INTEGRATED CHECK VALVE  
  
ALTERNATE - 1/4" 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 IN THE "KNOWLEDGE CENTER" AT WWW.MAZZEI.NET.
8. MAZZEI INJECTOR CO., LLC.  
500 ROOSTER DR.  
BAKERSFIELD, CA 93307  
TEL: 661.363.6500  
WEB: WWW.MAZZEI.NET

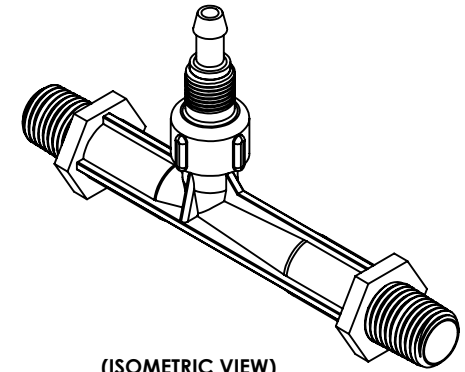


KIT CR-2	
TITLE	MATERIAL
BALL	TEFLON @ (PTFE)
SEAL RING	KEL-F @ (PCTFE)
SPRING	HASTELLOY C-22

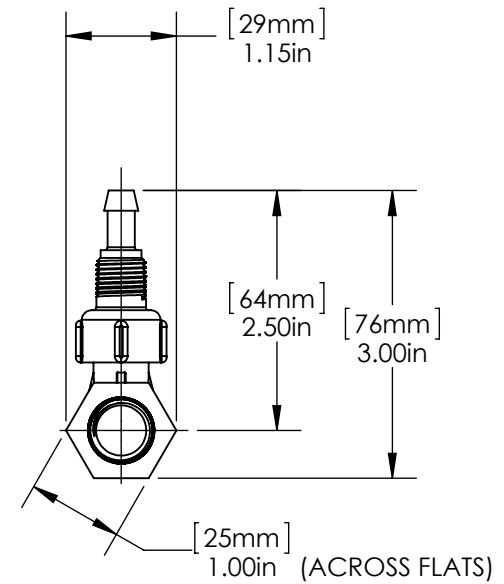
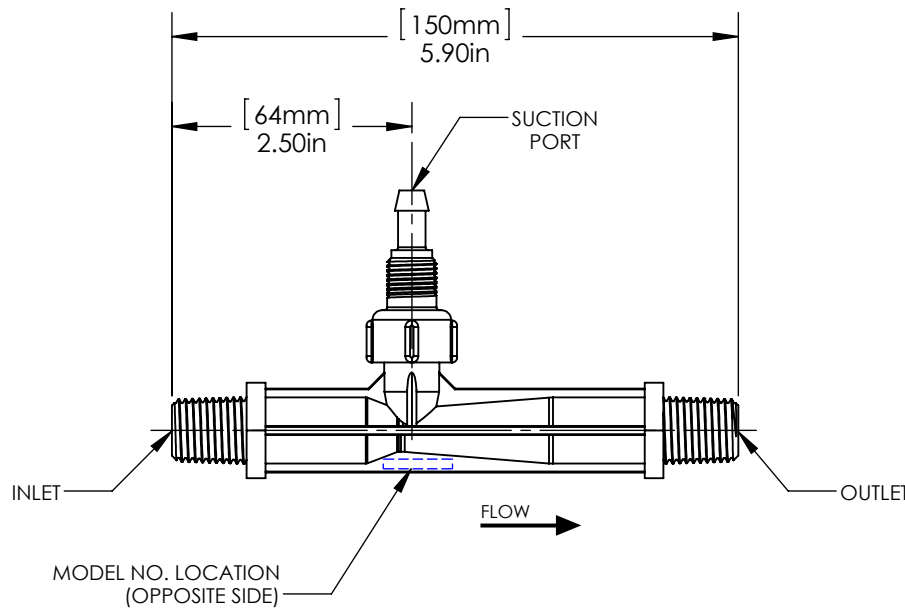



"CAP MODIFICATION DETAIL"  
(ALTERNATE)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			TITLE: 1/2" INJECTOR; MODEL 0384		
DRAWN:	J. PEREZ		DRAWING NO.: 0384 PP/PVDF		
DATE:	6/4/2015	SIZE:	WEIGHT:	SCALE:	REV.:
APPROVED:	J. BENNETT	A	N/A	1:2	A
				SHEET:	1 OF 2



(ISOMETRIC VIEW)  
(FOR REFERENCE ONLY)



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			TITLE: 1/2" INJECTOR; MODEL 0384		
DRAWN: J. PEREZ	DATE: 6/4/2015		DRAWING NO.: 0384 PP/PVDF		
APPROVED: J. BENNETT	SIZE: A	WEIGHT: N/A	SCALE: 1:2	REV.: A	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
<b>5</b>	0	<b>0.71</b>	10.3	<b>60</b>	0	<b>2.5</b>	13.7
	1		8.7		5		13.7
	2		7.4		10		13.5
	3		5.0		15		13.5
	4		*(3.9)		20		13.4
<b>10</b>	0	<b>1.0</b>	15.3		30		12.3
	2		11.5		35		11.6
	5		7.6		40		8.3
	7		2.0		45		*(47.3)
	8		*(8.2)		50		2.4
<b>15</b>	0	<b>1.2</b>	13.3	<b>70</b>	0	<b>2.6</b>	12.1
	5		11.3		5		12.1
	7		8.4		10		12.2
	10		4.8		15		12.1
	12		*(12.9)		20		12.2
<b>20</b>	0	<b>1.4</b>	13.0		30		12.2
	5		13.1		40		11.9
	10		9.2		45		11.0
	12		6.3		50		7.5
	15		*(16.5)		55		*(52.4)
<b>25</b>	0	<b>1.6</b>	14.1	<b>80</b>	0	<b>2.8</b>	11.7
	5		14.2		5		11.7
	10		12.7		10		11.6
	15		6.6		15		11.7
	20		*(20.5)		20		11.7
<b>30</b>	0	<b>1.7</b>	14.1		30		11.6
	5		14.4		40		11.6
	10		13.8		50		11.2
	15		10.7		60		6.8
	20		4.5		65		*(61.9)
<b>35</b>	0	<b>1.9</b>	14.4	<b>90</b>	0	<b>3.0</b>	11.0
	5		14.4		5		11.1
	10		14.4		10		11.0
	15		13.7		20		11.1
	20		9.4		30		11.0
<b>40</b>	0	<b>2.0</b>	14.1		40		11.1
	5		14.1		50		11.1
	10		13.9		60		11.0
	15		13.9		70		4.6
	20		12.6		75		*(71.0)
<b>45</b>	0	<b>2.1</b>	13.7	<b>100</b>	0	<b>3.2</b>	10.8
	5		13.7		5		11.0
	10		13.7		10		10.8
	15		13.7		20		11.0
	20		13.7		30		11.0
<b>50</b>	0	<b>2.2</b>	14.1		40		10.8
	5		14.1		50		11.0
	10		14.1		60		11.0
	15		14.1		70		10.4
	20		13.5		80		*(78.6)
<b>55</b>	0	<b>2.3</b>	14.1	<b>120</b>	0	<b>3.5</b>	10.8
	5		14.1		5		10.8
	10		14.1		10		10.8
	15		14.1		20		10.8
	20		13.5		30		10.8
<b>60</b>	0	<b>2.4</b>	14.1		40		10.8
	5		14.1		50		10.8
	10		14.1		60		10.8
	15		13.5		70		10.8
	20		13.5		80		10.8
<b>65</b>	0	<b>2.5</b>	13.5	90	8.6		
	5		11.5	100	*(96.8)		
	10		7.6				
	15		2.0				
	20		*(8.2)				

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

**Model 384**



Operating Pressure kg/cm <sup>2</sup>		WATER SUCTION		Operating Pressure kg/cm <sup>2</sup>		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
<b>0.35</b>	0.00	<b>2.7</b>	39.0	<b>4.22</b>	0.00	<b>9.3</b>	52.1
	0.07		32.9		0.35		52.1
	0.14		28.3		0.70		51.3
	0.21		19.2		1.05		51.3
	0.28		*(0.27)		1.41		50.8
<b>0.70</b>	0.00	<b>3.8</b>	57.9		2.11		46.8
	0.14		43.5		2.46		44.1
	0.35		28.9		2.81		31.7
	0.49		7.8		3.16		*(3.33)
	0.56		*(0.58)		3.16		9.3
<b>1.05</b>	0.00	<b>4.6</b>	50.6	<b>4.92</b>	0.00	<b>10.0</b>	46.1
	0.35		43.0		0.35		46.1
	0.49		31.9		0.70		46.3
	0.70		18.4		1.05		46.1
	0.84		*(0.91)		1.41		46.3
<b>1.41</b>	0.00	<b>5.4</b>	49.4		2.11		46.3
	0.35		49.9		2.81		45.1
	0.70		35.0		3.16		41.8
	0.84		24.0		3.52		28.5
	1.05		*(1.16)		3.87		*(3.68)
<b>1.76</b>	0.00	<b>6.0</b>	53.6	<b>5.62</b>	0.00	<b>10.7</b>	44.3
	0.35		53.9		0.35		44.3
	0.70		48.1		0.70		44.0
	1.05		25.3		1.05		44.3
	1.41		*(1.44)		1.41		44.3
<b>2.11</b>	0.00	<b>6.6</b>	53.7		2.11		44.0
	0.35		54.6		2.81		44.1
	0.70		52.5		3.52		42.7
	1.05		40.5		4.22		25.8
	1.41		17.1		4.57		*(4.35)
<b>2.46</b>	0.00	<b>7.1</b>	54.8	<b>6.33</b>	0.00	<b>11.4</b>	41.9
	0.35		54.8		0.35		42.3
	0.70		54.8		0.70		41.9
	1.05		51.9		1.41		42.3
	1.41		35.6		2.11		41.9
<b>2.81</b>	1.76	*(2.01)	11.1		2.81		42.3
	0.00	<b>7.6</b>	53.5		3.52		42.3
	0.35		53.5		4.22		41.6
	0.70		52.9		4.92		17.7
	1.05		52.9		5.27		*(4.99)
1.41	47.8		5.27	*(4.99)			
<b>3.16</b>	1.76	*(2.25)	28.3	<b>7.03</b>	0.00	<b>12.0</b>	41.0
	2.11	<b>8.0</b>	52.0		0.35		41.7
	2.46		52.1		0.70		41.0
	0.00		52.1		1.41		41.7
	0.35		52.0		2.11		41.7
0.70	52.1		2.81		41.0		
<b>3.52</b>	1.05	<b>8.5</b>	52.1		3.52		41.7
	1.41		46.1		4.22		41.7
	1.76		46.1		4.92		39.6
	2.11		23.2		5.62		*(5.52)
	2.46		*(2.54)	5.62	*(5.52)		
<b>4.22</b>	2.81	<b>8.5</b>	53.4	<b>8.44</b>	0.00	<b>13.1</b>	40.9
	0.35		53.4		0.35		40.9
	0.70		53.4		0.70		40.9
	1.05		53.4		1.41		40.9
	1.41		51.3		2.11		40.9
	1.76		51.3		2.81		40.9
	2.11		51.3		3.52		40.9
	2.46		38.2		4.22		40.9
	2.81		23.0		4.92		40.9
	3.16		*(2.78)		5.62		40.9
3.52	*(2.78)	6.33	32.5				
3.52	*(2.78)	7.03	*(6.81)				



**Injector Performance Table**  
**Air Suction Capacity**

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
<b>5</b>	0	<b>0.67</b>	0.60	<b>60</b>	0	<b>2.3</b>	13.4
	1		0.19		5		7.9
	2				10		4.3
	3				15		2.8
	4		*(3.9)		20		1.8
<b>10</b>	0	<b>0.94</b>	3.5		30		0.97
	2		1.5		35		0.56
	5		0.34		40		
	7				45		*(47.3)
	8		*(8.2)				
<b>15</b>	0	<b>1.2</b>	6.6	<b>70</b>	0	<b>2.5</b>	14.4
	5		1.0		5		9.6
	7		0.60		10		5.5
	10				15		3.6
	12		*(12.9)		20		2.4
<b>20</b>	0	<b>1.3</b>	8.8		30		1.3
	5		2.2		40		0.87
	10		0.64		45		
	12				50		
	15		*(16.5)		55		*(52.4)
<b>25</b>	0	<b>1.5</b>	9.5	<b>80</b>	0	<b>2.7</b>	15.9
	5		3.0		5		11.2
	10		1.1		10		6.6
	15				15		4.7
	20		*(20.5)		20		3.3
<b>30</b>	0	<b>1.6</b>	9.9		30		1.8
	5		3.6		40		1.2
	10		1.5		50		0.86
	15		0.77		60		
	20				65		*(61.9)
<b>35</b>	0	<b>1.8</b>	10.3	<b>90</b>	0	<b>2.8</b>	17.2
	5		3.8		5		12.8
	10		1.8		10		7.8
	15		1.0		20		4.1
	20		0.57		30		2.3
<b>40</b>	0	<b>1.9</b>	10.7		40		1.5
	5		4.6		50		1.0
	10		2.2		60		0.81
	15		1.3		70		
	25				75		*(71.0)
<b>45</b>	0	<b>2.0</b>	11.6	<b>100</b>	0	<b>3.0</b>	17.8
	5		5.5		5		13.9
	10		2.8		10		8.9
	15		1.6		20		4.7
	20		1.0		30		2.7
<b>50</b>	0	<b>2.1</b>	12.5		40		1.9
	5		6.1		50		1.4
	10		3.4		60		1.0
	15		1.9		70		0.78
	20		1.2		80		*(78.6)
<b>55</b>	0	<b>2.2</b>	13.4	<b>120</b>	0	<b>3.3</b>	19.5
	5		7.0		5		15.3
	10		3.8		10		11.1
	15		2.2		20		6.1
	20		1.4		30		3.8
<b>60</b>	0	<b>2.3</b>	14.3		40		2.6
	5		7.9		50		2.0
	10		4.3		60		1.5
	15		2.8		70		1.2
	20		1.8		80		1.0
<b>65</b>	0	<b>2.4</b>	15.2	90			
	5		8.8	100	*(96.8)		
	10		5.0				
	15		3.1				
	20		2.0				

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

**Model 384**



Operating Pressure kg/cm <sup>2</sup>		AIR SUCTION		Operating Pressure kg/cm <sup>2</sup>		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	2.5	0.28	4.22	0.00	8.8	6.3
	0.07		<0.10		0.35		3.7
	0.14				0.70		2.0
	0.21				1.05		1.3
	0.28		*(0.27)		1.41		0.85
0.70	0.00	3.6	1.6		2.11		0.45
	0.14		0.73		2.46		0.26
	0.35		0.16		2.81		
	0.49				3.16		*(3.33)
	0.56		*(0.58)				
1.05	0.00	4.4	3.1	4.92	0.00	9.5	6.8
	0.35		0.51		0.35		4.5
	0.49		0.28		0.70		2.6
	0.70				1.05		1.7
	0.84		*(0.91)		1.41		1.1
1.41	0.00	5.1	4.1		2.11		0.63
	0.35		1.0		2.81		0.41
	0.70		0.30		3.16		
	0.84				3.52		
	1.05		*(1.16)		3.87		*(3.68)
1.76	0.00	5.7	4.5	5.62	0.00	10.1	7.5
	0.35		1.4		0.35		5.3
	0.70		0.54		0.70		3.1
	1.05				1.05		2.2
	1.41		*(1.44)		1.41		1.5
2.11	0.00	6.2	4.7		2.11		0.88
	0.35		1.7		2.81		0.58
	0.70		0.70		3.52		0.40
	1.05		0.36		4.22		
	1.41		*(1.77)		4.57		*(4.35)
2.46	0.00	6.7	4.9	6.33	0.00	10.7	8.1
	0.35		1.8		0.35		6.0
	0.70		0.85		0.70		3.6
	1.05		0.48		1.41		1.9
	1.41		0.27		2.11		1.0
2.81	0.00	7.2	5.0		2.81		0.73
	0.35		2.1		3.52		0.51
	0.70		1.0		4.22		0.38
	1.05		0.61		4.92		
	1.41		0.36		5.27		*(4.99)
3.16	0.00	7.6	5.4	7.03	0.00	11.3	8.4
	0.35		2.5		0.35		6.5
	0.70		1.3		0.70		4.2
	1.05		0.78		1.41		2.2
	1.41		0.49		2.11		1.2
3.52	0.00	8.0	5.9		2.81		0.91
	0.35		2.9		3.52		0.67
	0.70		1.6		4.22		0.51
	1.05		0.93		4.92		0.37
	1.41		0.60		5.62		*(5.52)
3.52	0.00	8.0	5.9	8.44	0.00	12.4	9.2
	0.35		2.9		0.35		7.2
	0.70		1.6		0.70		5.2
	1.05		0.93		1.41		2.9
	1.41		0.60		2.11		1.8
	1.76		0.43		2.81		1.2
	2.11				3.52		0.95
	2.46				4.22		0.72
2.81	*(2.78)	4.92	0.58				
		5.62	0.47				
		6.33					
		7.03	*(6.81)				

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 the injector outlet pressure when  
 suction stops (Zero Suction Point).