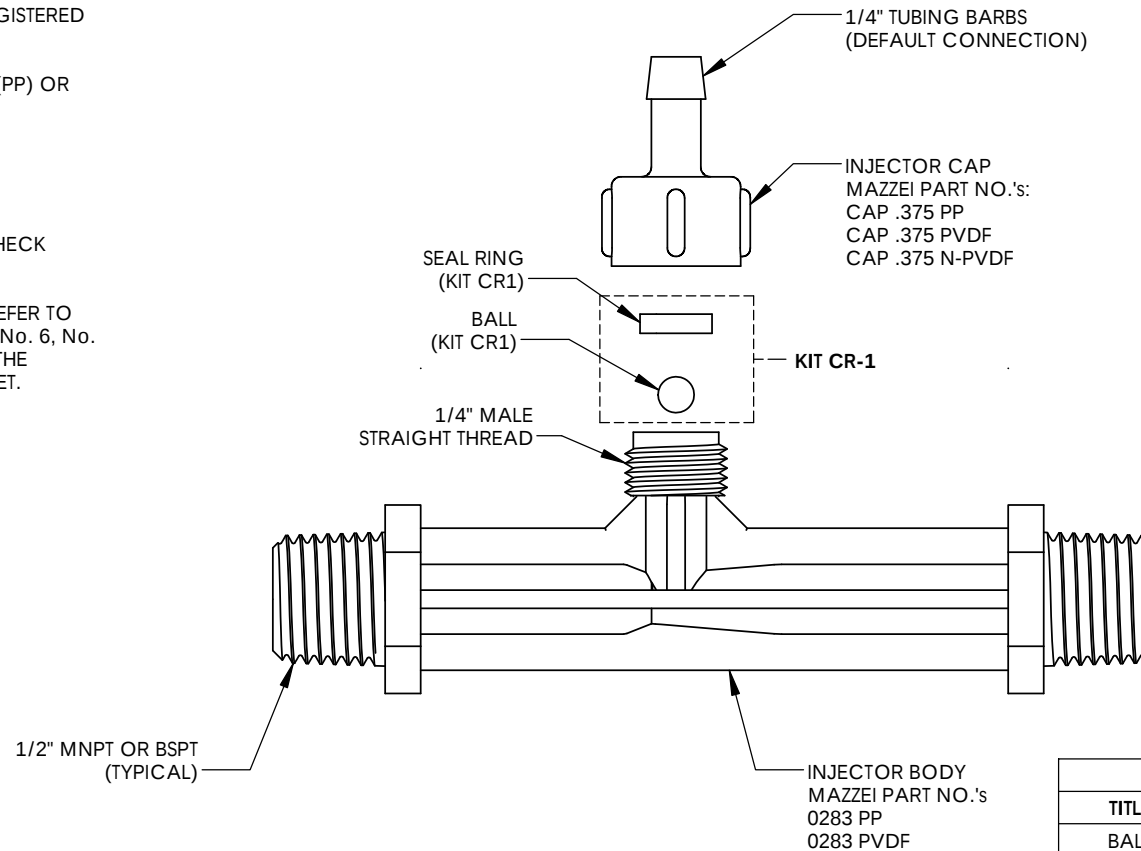


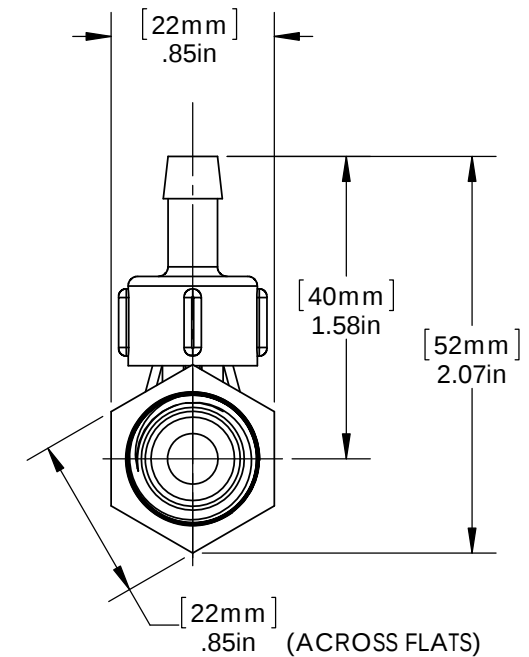
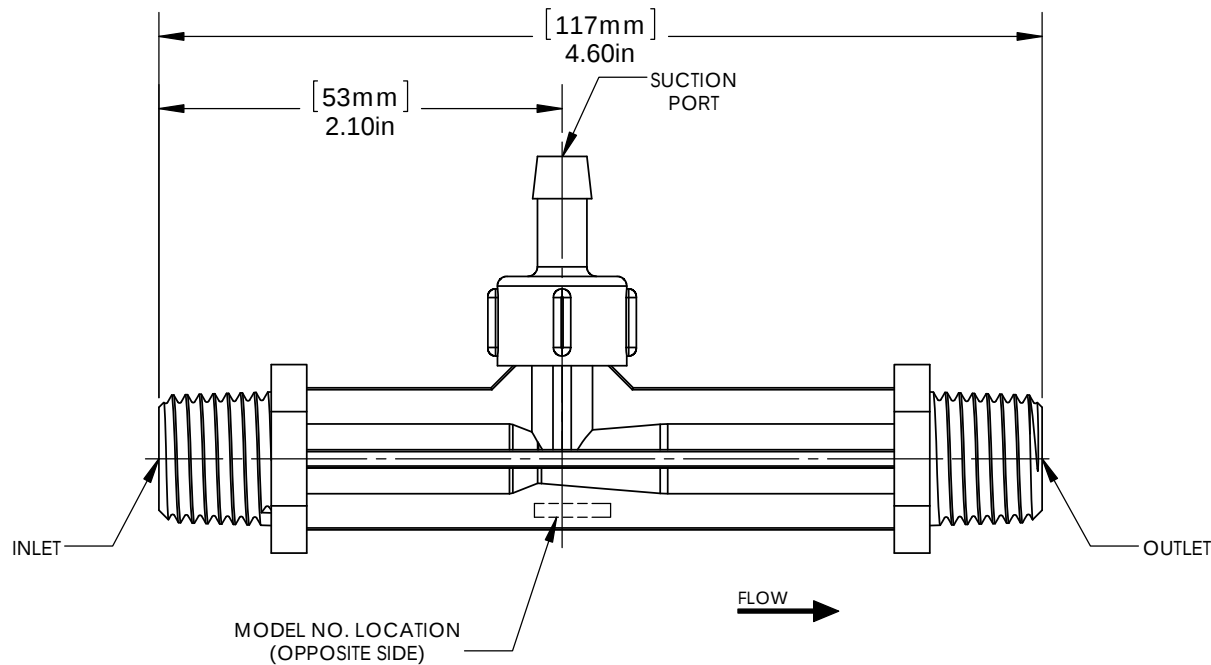
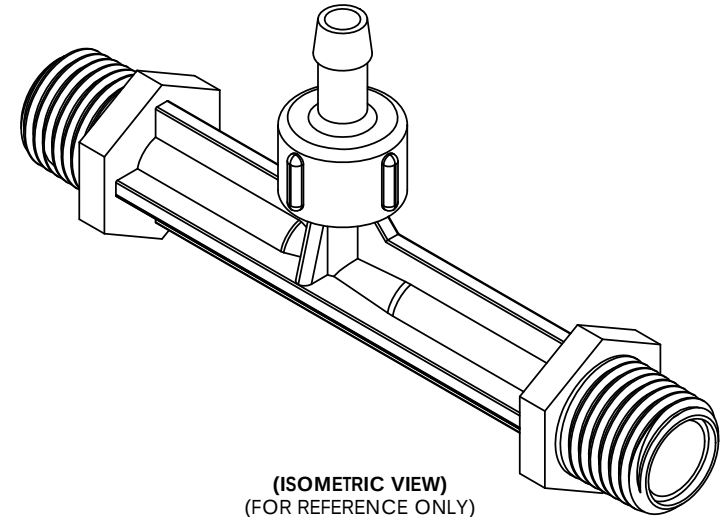
NOTES:

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:
1/4" I.D. TUBING BARB WITH INTEGRATED CHECK VALVE
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-1	
TITLE	MATERIAL
BALL	TEFLON ® (PTFE)
SEAL RING	KEL-F ® (PCTFE)
SPRING	HASTELLOY C-22

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			TITLE: 1/2" INJECTOR; MODEL 0283		
DRAWN:	G. NOVINS				
DATE:	8/14/2014	DRAWING NO.:		0283 PP/PVDF	
APPROVED:	T. JOHNS	SIZE:	WEIGHT:	SCALE:	REV.:
		A	N/A	1:1	NC
					SHEET: 1 OF 2



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			TITLE: 1/2" INJECTOR; MODEL 0283		
DRAWN:	G. NOVINS		DRAWING NO.:		
DATE:	8/14/2014			0283 PP/PVDF	
APPROVED:	T. JOHNS	SIZE: A	WEIGHT: N/A	SCALE: 1:1	REV.: NC
				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 GPH	Water Suction GPH	Injector INLET	Injector OUTLET	Motive Flow GPH	Water Suction GPH
5	0	10.2	3.2	60	0	32.4	6.0
	1		2.0		10		6.0
	2		1.1		20		5.7
	3				25		4.9
	4				30		3.8
10	0	14.4	4.7		35		2.4
	2		2.8		40		1.3
	5		1.2		45	*(45.5)	
	7			70	0	34.8	6.0
	8				10		6.0
15	0	16.8	5.4		20		6.0
	5		2.7		30		5.2
	7		1.7		35		4.0
	10				40		2.9
	12				45		1.9
20	0	19.2	5.8		50		0.9
	5		3.7		55	*(54.0)	
	10		2.0	80	0	36.0	6.0
	12		0.6		20		6.0
	15				30		6.0
25	0	21.0	5.9		35		5.5
	5		4.8		40		4.5
	10		2.6		45		3.3
	15		0.7		50		2.3
	20				55		1.0
30	0	23.4	6.0		60	*(60.5)	
	5		5.8	90	65		
	10		3.8		0	39.0	6.0
	15		2.4		20		6.0
	20		0.8		30		6.0
	25				40		5.7
35	0	24.6	6.0		45		4.6
	5		6.0		50		3.5
	10		4.8		55		2.4
	15		3.4		60		1.6
	20		1.7		65		0.6
40	0	25.8	6.0		70	*(68.0)	
	5		6.0	100	0	41.4	6.0
	10		5.5		20		6.0
	15		4.2		40		6.0
	20		2.6		50		5.0
	25		1.2		60		3.0
45	0	27.6	6.0		65		2.3
	5		6.0		70		1.2
	10		5.8		75		0.3
	15		4.9	120	80	45.6	6.0
	20		3.4		40		6.0
50	0	28.8	6.0		60		5.2
	5		6.0		80		2.3
	10		6.0		90		1.0
	15		5.7		95	*(93.0)	
	20		4.7				
	25		3.5				
	30		2.1				
	35		0.7				
	40	*(37.0)					

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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).*

Model 283



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	0.64	12.11	4.22	0.00	2.0	22.71
	0.07		7.57		0.70		22.71
	0.14		4.16		1.41		21.58
	0.21				1.76		18.55
	0.28				2.11		14.38
0.70	0.00	0.91	17.79		2.46		9.08
	0.14		10.60		2.81		4.92
	0.35		4.54		3.16	*(3.20)	
	0.49			4.92	0.00		22.71
	0.56				0.70		22.71
1.05	0.00	1.1	20.44		1.41		22.71
	0.35		10.22		2.11		19.68
	0.49		6.43		2.46		15.14
	0.70				2.81		10.98
	0.84				3.16		7.19
1.41	0.00	1.2	21.96		3.52		3.40
	0.35		14.01	5.62	3.87	*(3.80)	
	0.70		7.57		0.00		22.71
	0.84		2.27		1.41		22.71
	1.05				2.11		22.71
1.76	0.00	1.3	22.33		2.46		20.82
	0.35		18.17		2.81	2.3	17.03
	0.70		9.84		3.16		12.49
	1.05		2.65		3.52		8.70
	1.41				3.87		3.78
2.11	0.00	1.5	22.71		4.22	*(4.26)	
	0.35		21.96	6.33	4.57		
	0.70		14.38		0.00		22.71
	1.05		9.08		1.41		22.71
	1.41		3.02		2.11		22.71
2.46	0.00	1.5	22.71		2.81	2.5	21.58
	0.35		22.71		3.16		17.41
	0.70		18.17		3.52		13.25
	1.05		12.87		3.87		9.08
	1.41		6.43		4.22		6.05
2.81	0.00	1.6	22.71		4.57	*(4.78)	2.27
	0.35		22.71	7.03	4.92		
	0.70		20.82		0.00		22.71
	1.05		15.90		1.41		22.71
	1.41		9.84		2.11	2.6	18.93
	1.76		4.54		3.52		11.36
3.16	0.00	1.7	22.71		4.22		8.70
	0.35		22.71		4.57		4.54
	0.70		21.96		4.92		1.13
	1.05		18.55	8.44	5.27	*(5.34)	
	1.41		12.87		5.62		
3.52	0.00	1.8	22.71		0.00	2.9	22.71
	0.35		22.71		2.81		22.71
	0.70		22.71		4.22		19.68
	1.05		21.58		5.62		8.70
	1.41		17.79		6.33		3.78
	1.76	1.8	13.25		6.68	*(6.54)	
	2.11		7.94				
	2.46		2.65				
	2.81						

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

Model 283