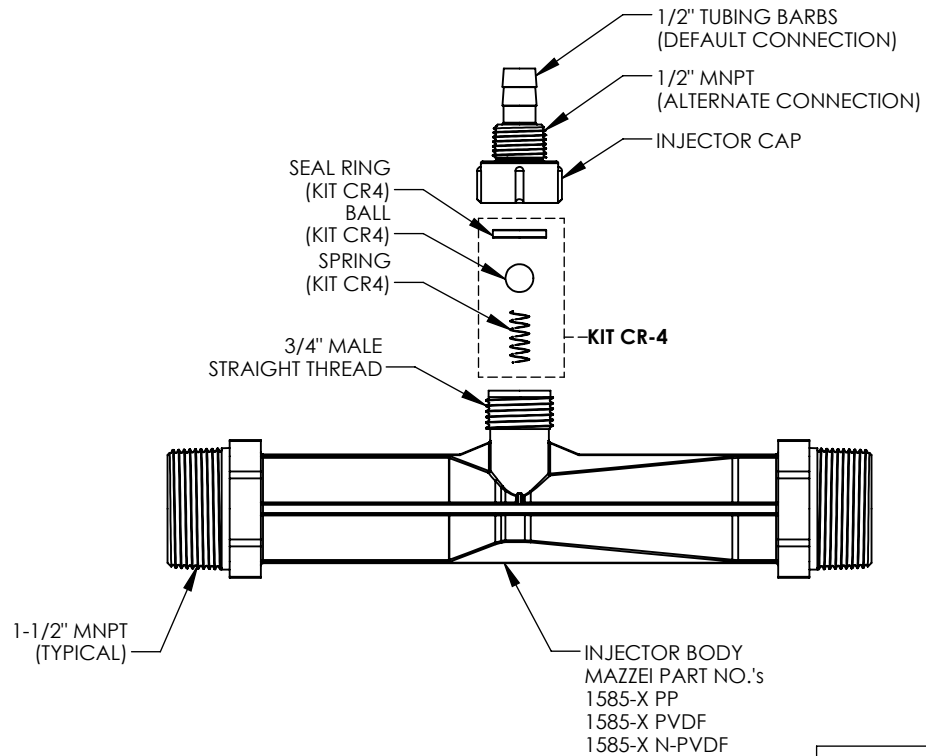


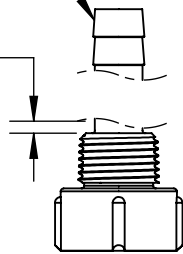
NOTES:

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

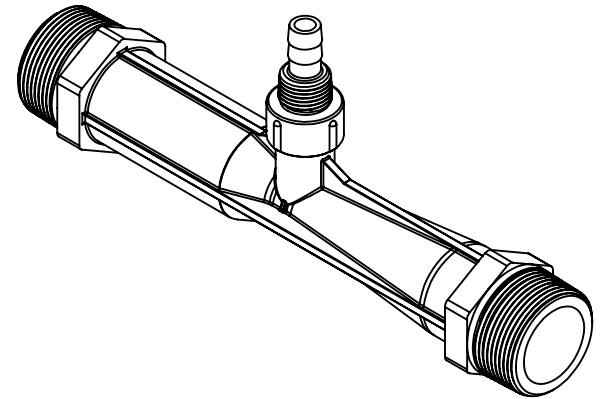
[3mm] MAXIMUM STICKOUT  
0.13in



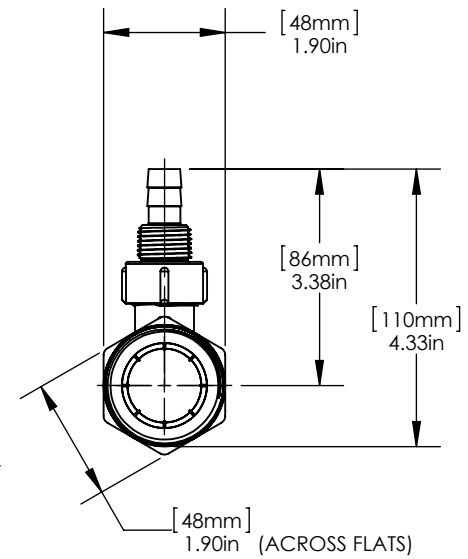
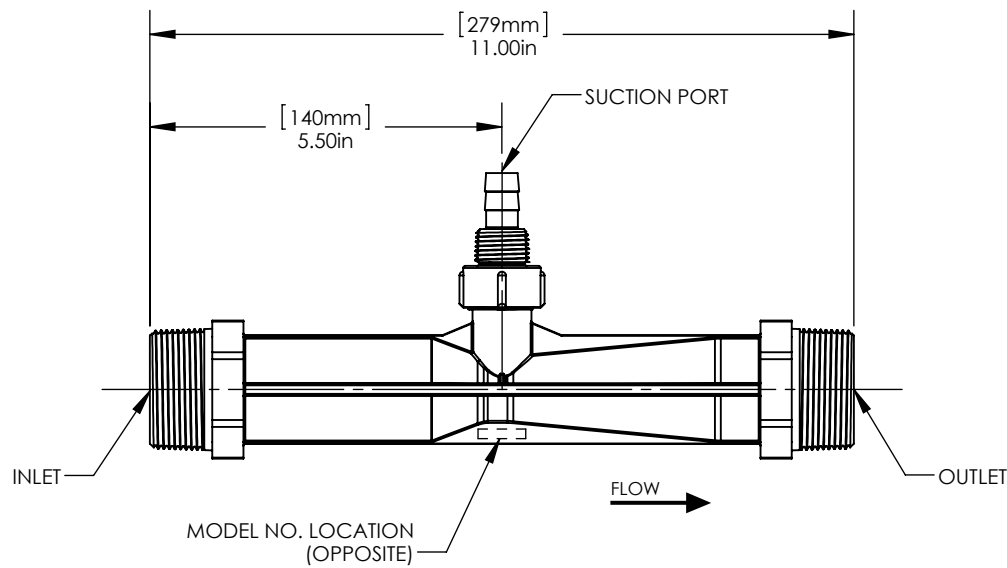
"CAP MODIFICATION DETAIL"  
(ALTERNATE)

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			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



Tabla de Rendimiento de Inyectores  
Capacidad de Succión de Agua

Presión Operacional PSIG		Succión de Agua		Presión Operacional PSIG		Succión de Agua	
ENTRADA del Inyector	SALIDA del Inyector	Flujo de la Línea Principal GPM	Succión de Agua GPH	ENTRADA del Inyector	SALIDA del Inyector	Flujo de la Línea Principal GPM	Succión de Agua 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	70	0	40.1	316
	2		155		5		316
	5		43.3		10		316
	7				15		312
	8		*(6.5)		20		300
15	0	18.6	262	80	0	42.9	321
	5		157		5		321
	7		86.5		10		321
	10				15		321
	12		*(9.4)		20		311
20	0	21.4	308	90	0	45.5	309
	5		231		5		309
	10		120		10		309
	12		39.3		20		302
	15		*(12.7)		30		295
25	0	24.0	324	100	0	48.0	305
	5		275		5		305
	10		204		10		305
	15		50.5		20		300
	20		*(15.4)		30		282
30	0	26.3	323	45	0	32.2	305
	5		299		5		305
	10		251		10		305
	15		137		20		300
	20		*(19.3)		30		282
35	0	28.4	326	50	0	33.9	305
	5		318		5		305
	10		286		10		305
	15		204		20		300
	20		66.6		30		282
40	0	30.3	324	60	0	32.2	305
	5		321		5		305
	10		307		10		305
	15		257		20		300
	20		146		30		282
45	0	32.2	326	70	0	32.2	305
	5		324		5		305
	10		318		10		305
	15		287		20		300
	20		210		30		282
50	0	33.9	323	80	0	32.2	305
	5		319		5		305
	10		315		10		305
	15		296		20		300
	20		251		30		282
55	0	35.2	323	90	0	34.2	305
	5		319		5		305
	10		315		10		305
	15		296		20		300
	20		251		30		282
60	0	37.2	319	100	0	36.2	305
	5		318		5		305
	10		317		10		305
	15		307		20		300
	20		288		30		282
65	0	38.2	316	110	0	38.2	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
70	0	40.1	316	120	0	40.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
75	0	42.1	316	130	0	42.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
80	0	44.1	316	140	0	44.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
85	0	46.1	316	150	0	46.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
90	0	48.1	316	160	0	48.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
95	0	50.1	316	170	0	50.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
100	0	52.1	316	180	0	52.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
105	0	54.1	316	190	0	54.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
110	0	56.1	316	200	0	56.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
115	0	58.1	316	210	0	58.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
120	0	60.1	316	220	0	60.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
125	0	62.1	316	230	0	62.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
130	0	64.1	316	240	0	64.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
135	0	66.1	316	250	0	66.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
140	0	68.1	316	260	0	68.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
145	0	70.1	316	270	0	70.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
150	0	72.1	316	280	0	72.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
155	0	74.1	316	290	0	74.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
160	0	76.1	316	300	0	76.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
165	0	78.1	316	310	0	78.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
170	0	80.1	316	320	0	80.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
175	0	82.1	316	330	0	82.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
180	0	84.1	316	340	0	84.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
185	0	86.1	316	350	0	86.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
190	0	88.1	316	360	0	88.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
195	0	90.1	316	370	0	90.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
200	0	92.1	316	380	0	92.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
205	0	94.1	316	390	0	94.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
210	0	96.1	316	400	0	96.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
215	0	98.1	316	410	0	98.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
220	0	100.1	316	420	0	100.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
225	0	102.1	316	430	0	102.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
230	0	104.1	316	440	0	104.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
235	0	106.1	316	450	0	106.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
240	0	108.1	316	460	0	108.1	305
	5		316		5		305
	10		316		10		305
	15		312		20		300
	20		300		30		282
245	0	110.1	316				



Tabla de Rendimiento de Inyectores  
Capacidad de Succión de Agua - MÉTRICO

Presión Operacional kg/cm <sup>2</sup>		Succión de Agua		Presión Operacional kg/cm <sup>2</sup>		Succión de Agua	
ENTRADA del Inyector	SALIDA del Inyector	Flujo de la Línea Principal l/min	Succión de Agua l/hr	ENTRADA del Inyector	SALIDA del Inyector	Flujo de la Línea Principal l/min	Succión de Agua 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)						

Modelo 1585X

\* Los números entre paréntesis indican la presión de salida del inyector cuando deja de aspirar (punto cero de succión).



Tabla de Rendimiento de Inyectores  
Capacidad de Succión de Aire

Presión Operacional PSIG		Succión de Aire		Presión Operacional PSIG		Succión de Aire	
ENTRADA del Inyector	SALIDA del Inyector	Flujo de la Línea Principal GPM	Succión de Aire SCFH	ENTRADA del Inyector	SALIDA del Inyector	Flujo de la Línea Principal GPM	Succión de Aire 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	70	0	38.5	261
	2		20.0		5		213
	5		11.6		10		90.3
	7				15		59.9
	8		*(6.5)		20		46.4
15	0	17.8	117	80	0	41.1	276
	5		18.7		5		233
	7		11.6		10		120
	10				15		79.3
	12		*(9.4)		20		59.0
20	0	20.6	130	90	0	43.6	291
	5		31.1		5		234
	10		12.7		10		138
	12		6.4		15		65.8
	15		*(12.7)		20		41.9
25	0	23.0	145	100	0	46.0	318
	5		48.5		5		250
	10		20.2		10		188
	15		8.0		15		76.8
	20		*(15.4)		20		51.5
30	0	25.2	169	120	0	50.4	337
	5		60.8		5		262
	10		25.7		10		234
	15		14.7		15		100
	20		*(19.3)		20		64.9
35	0	27.2	175	100	0	50.4	337
	5		78.1		5		262
	10		34.2		10		234
	15		20.6		15		100
	20		10.5		20		64.9
40	0	29.1	177	120	0	50.4	337
	5		87.4		5		262
	10		45.3		10		234
	15		24.9		15		100
	20		16.6		20		64.9
45	0	30.8	229	120	0	50.4	337
	5		105		5		262
	10		51.1		10		234
	15		32.5		15		100
	20		21.6		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6		10		234
	15		38.1		15		100
	20		27.4		20		64.9
50	0	32.5	203	120	0	50.4	337
	5		129		5		262
	10		56.6				



Tabla de Rendimiento de Inyectores  
Capacidad de Succión de Aire - MÉTRICO

Presión Operacional kg/cm <sup>2</sup>		Succión de Aire		Presión Operacional kg/cm <sup>2</sup>		Succión de Aire		
ENTRADA del Inyector	SALIDA del Inyector	Flujo de la Línea Principal l/min	Succión de Aire l/min	ENTRADA del Inyector	SALIDA del Inyector	Flujo de la Línea Principal l/min	Succión de Aire 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	1.76	123	8.2	8.44	0.00	191	159	
	2.11		3.0		0.35		123	
	2.46				0.70		110	
	2.81		*(2.28)		1.41		47.3	
					2.11		30.6	
					2.81		21.8	
					3.52		16.7	
					4.22		10.4	
		4.92	3.9					
		5.62						
		6.33						
		7.03	*(5.29)					

\* Los números entre paréntesis indican la presión de salida del inyector cuando deja de aspirar (punto cero de succión).