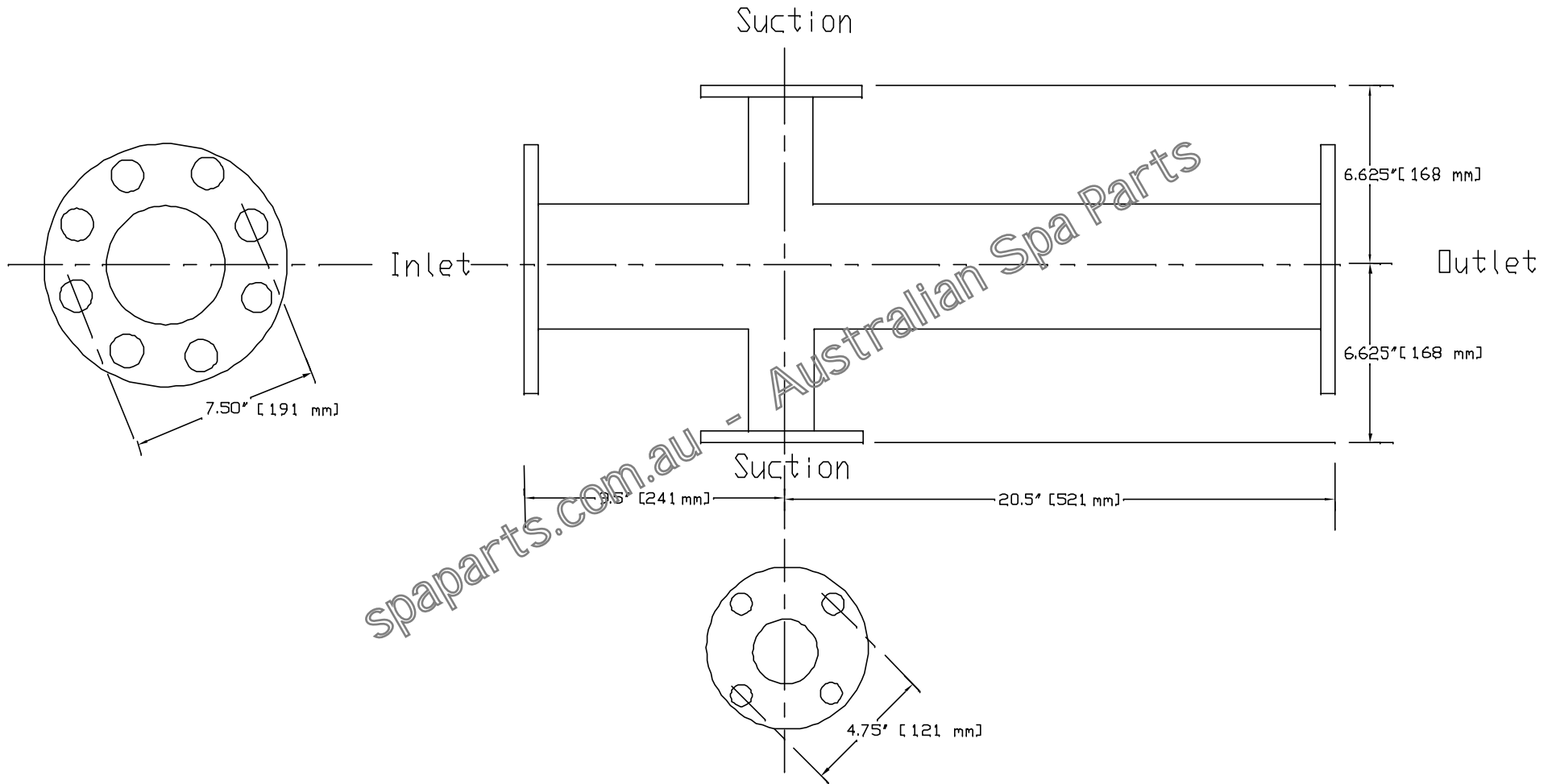
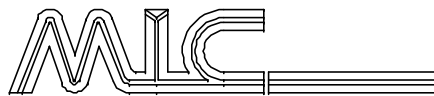


NOTES:

1. INLET AND OUTLET: 4" FLANGE 150 B16.5
2. DUAL SUCTION PORTS: 2" FLANGE 150 B16.5
3. MATERIAL OF CONSTRUCTION: TYPE 316L STAINLESS STEEL
4. BOLT HOLES: 4": EIGHT (8)-5/8", 2": FOUR (4)-5/8"



Covered By United States Patent No. 5,863,128
International Patents Pending

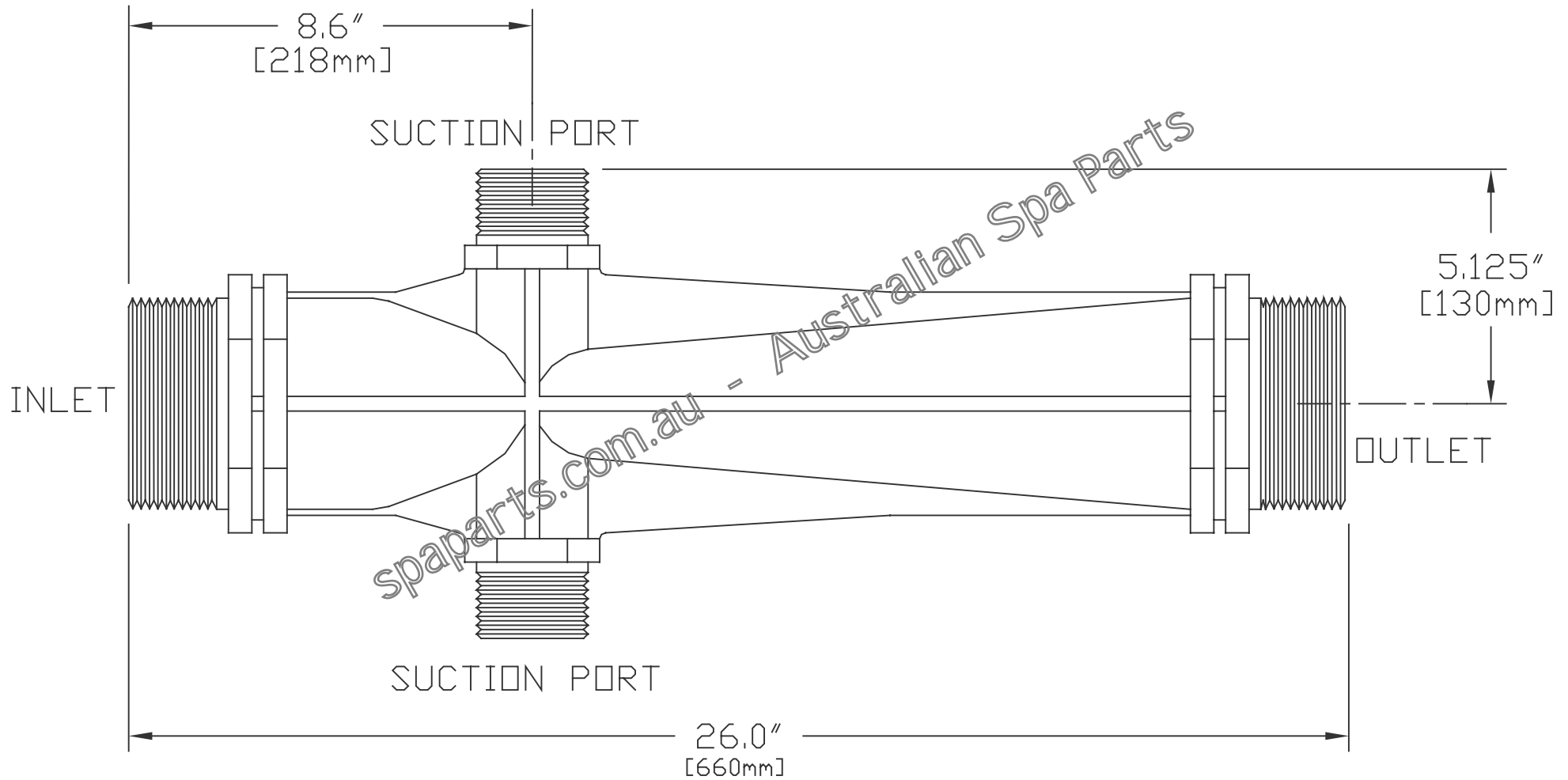


mazzei injector corporation
Bakersfield, California, USA


DATE	12-21-00	TITLE	
DRAWN BY	JRM	MODEL 4091-SS INJECTOR	
REVIEWED BY	RST	NUMBER	SIZE REV.
SCALE	NONE	JRM-25	
MATERIALS: SEE NOTES		PAGE (1) OF (1)	

NOTES:

1. INLET AND OUTLET: 4" MNPT OR 4" BSPT (ISO-R)
2. DUAL SUCTION PORTS: 2" MNPT OR 2" BSPT (ISO-R)
3. MAXIMUM TEMPERATURE RATING: 200 F. (93.3 C.)
4. MAXIMUM PRESSURE RATING: 130 PSIG (9.0 BAR), WITHOUT REINFORCEMENT
5. MAXIMUM PRESSURE RATING: 190 PSIG (13.1 BAR), WITH REINFORCEMENT PACKAGE
6. MATERIAL OF CONSTRUCTION: PVDF (KYNAR)



Mazzei Injector Co. products are manufactured and sold under one or more of the following U.S. Patents: 6,193,893; 6,173,526; 5,951,922; 5,894,995; 5,863,128; 5,674,312; 5,338,341; 4,917,304; 4,123,800 and corresponding foreign patents. Other U.S. and foreign patents pending.

 Mazzei Injector Corporation 500 Rooster Drive Bakersfield, California 93307 USA	DATE	12-14-00	TITLE INJECTOR MODEL 4091			
	DRAWN BY	JRM				
	REVISED	6-28-02	NUMBER	JRM-1	SIZE	REV.
	REVISED BY	JRM	MATERIAL	SEE NOTES	PAGE 1 OF 1	
SCALE	NONE					

Mazzei Injector Corporation - Injector Performance Table							
Injector Model				4091			
Operating Pressure PSIG		Water Suction		Operating Pressure PSIG		Water Suction	
Injector Inlet	Injector Outlet	Motive Flow GPM	Water Suction GPM	Injector Inlet	Injector Outlet	Motive Flow GPM	Water Suction GPM
5	0	170	35.0	60	0	460	47.0
	1		25.0		5		47.0
	2		20.0		10		47.0
	3		14.0		15		47.0
	4		6.0		20		47.0
10	0	214	47.0		30		47.0
	2		47.0		35		46.0
	5		31.0		40		42.0
	7		13.0		45		28.0
	8		4.0		70		0
15	0	251	47.0	5		46.0	
	5		47.0	10		46.0	
	7		38.0	15		46.0	
	10		12.0	20		46.0	
	12		6.0	30		46.0	
20	0	272	47.0	40		46.0	
	5		47.0	45		46.0	
	10		45.0	50		31.0	
	12		30.0	55		16.0	
	15		12.0	80	0	45.0	
25	0	307	47.0		5	45.0	
	5		47.0		10	45.0	
	10		47.0		15	45.0	
	15		33.0		20	45.0	
	20		7.0		30	45.0	
30	0	332	47.0		40	45.0	
	5		47.0		50	45.0	
	10		47.0		60	30.0	
	15		43.0		65	14.0	
	20		23.0	90	0	42.0	
25	4.0	5	42.0				
35	0	360	47.0		10	42.0	
	5		47.0		20	42.0	
	10		47.0		30	42.0	
	15		47.0		40	42.0	
	20		44.0		50	40.0	
25	24.0	60	39.0				
40	0	382	47.0		70	28.0	
	5		47.0		75	14.0	
	10		47.0	100	0	42.0	
	15		47.0		5	42.0	
	20		47.0		10	42.0	
25	31.0	20	42.0				
30	15.0	30	42.0				
45	0	402	47.0		40	42.0	
	5		47.0		50	42.0	
	10		47.0		60	42.0	
	15		47.0		70	39.0	
	20		47.0		80	15.0	
	25		47.0	120	0		
	30		40.0		5		
35	16.0	10					
50	0	416	47.0		20		
	5		47.0		30		
	10		47.0		40		
	15		47.0		50		
	20		47.0		60		
	25		47.0		70		
	30		44.0		80		
35	27.0	90					
40	6.0	100					

Mazzei Injector Corporation, Injector Performance							
Injector Model				4091			
Operating Pressure PSIG		Air Suction		Operating Pressure PSIG		Air Suction	
Injector Inlet	Injector Outlet	Motive Flow GPM	Air Suction SCFM	Injector Inlet	Injector Outlet	Motive Flow GPM	Air Suction SCFM
5	1	131	19.2	40	1	371	47.6
	2		17.4		5		40.4
	3		15.7		10		31.6
	4		10.3		15		21.8
0 Suction	4.5	0.0	20		15.5		
10	1	186	30.5		25		11.3
	2		21.8	30	9.0		
	5		15.8	0 Suction	35	0.0	
	7		14.5	45	1	51.9	
8	12.1	5	43.7				
0 Suction	8.8	0.0	10		37.1		
15	1	227	39.3		15	26.9	
	5		21.7	20	19.8		
	7		18.6	25	14.2		
	10		10.6	30	11.7		
12	6.5	35	10.0				
0 Suction	13.1	0.0	0 Suction	38.9	0.0		
20	1	263	37.9	50	1	415	52.3
	5		26.2		10		43.5
	10		13.4		15		30.9
	12		11.7		20		22.2
	15		8.9		25		17.8
0 Suction	17.5	0.0	30		13.8		
25	1	294	39.8	35	10.1		
	5		28.2	40	7.5		
	10		19.4	0 Suction	43.1	0.0	
	15		10.6	60	1	65.4	
	20		7.9		10	57.3	
0 Suction	21.7	0.0	20		38.4		
30	1	322	42.7		25	27.4	
	5		29.7	30	23.6		
	10		21.1	35	17.8		
	15		15.4	40	12.0		
	20		10.5	45	8.6		
	25		7.3	0 Suction	51	0.0	
0 Suction	26	0.0	Copyright Mazzei Injector Corporation 500 Rooster Dr Bakersfield CA USA 661-363-6500 FAX 661-363-7500 7/26/2004				
35	1	347					45.8
	5						37.6
	10						29.9
	15						20.1
	20						13.1
25	10.3						
0 Suction	30.5	0.0					

Mazzei Injector Corporation, Injector Performance								
Injector Model				4091				
Operating Pressure Kg/cm2		Air Suction		Operating Pressure Kg/cm2		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	
0.352	0.070	497	543	2.812	0.070	1406	1349	
	0.141		494		0.352		1144	
	0.211		444		0.703		894	
	0.281		292		1.055		618	
0 Suction	0.316	0	1.406		439			
0.703	0.070	703	864		0 Suction		1.758	0
	0.141		616	2.109		256		
	0.352		446	3.164	1491	0.070	1470	
	0.492		410			0.352	1236	
	0.562		342			0.703	1051	
0 Suction	0.619	0	1.055	761				
1.055	0.070	861	1112	0 Suction	1.406	0	562	
	0.352		614		1.758		403	
	0.492		528		2.109		331	
	0.703		301		2.461		283	
	0.844		183		2.735		0	
0 Suction	0.921	0	3.515	1572	0.070	1482		
1.406	0.070	1073			0.703	1232		
	0.352	743			1.055	874		
	0.703	380			1.406	630		
	0.844	331			1.758	505		
	1.055	251			2.109	389		
0 Suction	1.230	0	2.461	285				
1.758	0.070	1111	1128	0 Suction	2.812	0	212	
	0.352		798		3.030		0	
	0.703		550	4.219	1722	0.070	1852	
	1.055		299			0.703	1621	
	1.406		224			1.406	1087	
0 Suction	1.526	0	1.758	777				
2.109	0.070	1217	1210	2.109	668			
	0.352		842	2.461	503			
	0.703		598	2.812	340			
	1.055		435	3.164	242			
	1.406		297	0 Suction	3.586	0		
	1.758		206	Copyright Mazzei Injector Corporation 500 Rooster Dr Bakersfield CA USA 661-363-6500 FAX 661-363-7500 7/26/2004				
0 Suction	1.828	0						
2.461	0.070	1315	1296					
	0.352		1064					
	0.703		847					
	1.055		568					
	1.406		372					
1.758	292							
0 Suction	2.144	0						