

MAZZEI INJECTORS*

Mazzei injectors have been designed to allow the injection of a fluid into a main stream by pressure difference.



FEATURES

- Polypropylene (PP) and Kynar (PVDF) body
- In most installations no external energy is needed
- Low installation and maintenance costs
- Injectors suitable for continuous injection, without the need for any secondary equipment

Codification

PP (POLYPROPYLENE) BODY - GREEN

Code	Description
AIC287-P	Model 287 - M 1/2" NPT Inlet/Outlet - M 1/4" Suction Barbed connection point - with check valve (Black)
AIC584-PPG	Model 584 - M 3/4" BSPT Inlet/Outlet - 6.35 mm Suction Barbed connection point / M 1/4" Thread - with check valve
AIC885-PPG	Model 885 - M 1" BSPT Inlet/Outlet - 12.70 mm Suction Barbed connection point / M 1/2" Thread - with check valve
AIC1078-PPG	Model 1078 - M 1" BSPT Inlet/Outlet - 12.70 mm Suction Barbed connection point / M 1/2" Thread - with check valve
AIC1583-PPG	Model 1583 - M 1 1/2 BSPT Inlet/Outlet - 12.70 mm Suction Barbed connection point / M 1/2" Thread - with check valve
AIC2081-PPG	Model 2081 - M 2" BSPT Inlet/Outlet - M 1 1/4 Suction Barbed connection point - with check valve

PVDF (KYNAR) BODY - BLUE

Code	Description
AIC287	Model 287 - M 1/2" NPT Inlet/Outlet - M 1/4" Suction Barbed connection point - with check valve
AIC484	Model 484 - M 3/4" BSPT Inlet/Outlet - 6.35 mm Suction Barbed connection point / M 1/4" Thread - with check valve
AIC484-X	Model 484 - M 3/4" BSPT Inlet/Outlet - 6.35 mm Suction Barbed connection point / M 1/4" Thread - with check valve - High suction for greenhouses
AIC584	Model 584 - M 3/4" BSPT Inlet/Outlet - 6.35 mm Suction Barbed connection point / M 1/4" Thread with check valve - High flow rate
AIC885	Model 885X - M 1" BSPT Inlet/Outlet - 12.70 mm Suction Barbed connection point / M 1/2" Thread with check valve
AIC1078	Model 1078 - M 1" BSPT Inlet/Outlet - 12.70 mm Suction Barbed connection point / M 1/2" Thread with check valve
AIC1583	Model 1583 - M 1 1/2 BSPT Inlet/Outlet - 12.70 mm Suction Barbed connection point / M 1/2" Thread with check valve
AIC2081	Model 2081 - M 2" BSPT Inlet/Outlet - M 1 1/4 Thread suction connection point - with C75RBSPT check valve and AMA20 adapter
AIC3090	Model 3090 - M 3" BSPT Inlet/Outlet - M 1 1/2 Double Thread suction connection point without check valve
AIC4090	Model 4090 - M 4" BSPT Inlet/Outlet - M 2" Double Thread suction connection point without check valve

*For operating specifications and choice of model, see page 97 in the Appendix. For accessories, see page 87.

SPECIFICATIONS

- From ½" to 2" male thread
- Flow rate: 1,10-598 l/min
- Inlet pressure: 0,35-8,44 bar
- They require a minimum pressure difference between the inlet one and the outlet one to create a flow through the suction hole

PERFORMANCE

Pressure		1/2" AIC 287 Model		3/4" AIC 484-X Model		3/4" AIC 484 Model		3/4" AIC 584 Model		1" AIC 1078 Model		1" 1/2 AIC 1583 Model		2" AIC 2081 Model	
a	b	Injector flow rate in U/min	Suction capacity U/min	Injector flow rate in U/min	Suction capacity U/min	Injector flow rate in U/min	Suction capacity U/min	Injector flow rate in U/min	Suction capacity U/min	Injector flow rate in U/min	Suction capacity U/min	Injector flow rate in U/min	Suction capacity U/min	Injector flow rate in U/min	Suction capacity U/min
0,35	0	1,10	0,33	4,50	1,48	4,50	0,92	7,91	1,84	20,74	6,40	40,60	8,57	122,60	39,70
	0,07		0,16		1,05		0,66		1,82		2,93		5,33		39,70
	0,14		0,11		0,75		0,42		1,80		1,40		3,36		39,70
	0,21		0,08		0,46		0,06		1,60		0,17		-		13,50
	0,28		-		-		-		0,63		-		-		8,60
0,70	0	1,21	0,39	6,40	1,88	6,40	1,18	11,20	1,78	29,30	6,67	57,40	13,87	173,40	39,70
	0,14		0,30		1,46		0,88		1,78		4,78		9,07		39,70
	0,35		0,12		0,75		0,38		1,73		2,64		4,97		29,50
	0,49		0,05		0,24		0,18		0,84		1,21		2,65		9,40
	0,56		-		-		-		0,69		0,28		-		1,90
1,05	0	1,59	0,43	7,83	2,44	7,83	1,18	13,70	1,78	35,88	6,39	70,30	14,21	212,30	39,80
	0,35		0,26		1,32		0,72		1,76		5,04		10,33		39,30
	0,49		0,18		0,99		0,52		1,77		4,08		7,85		36,40
	0,70		0,08		-		0,06		0,88		2,16		5,46		13,40
	0,84		-		-		-		0,70		1,07		0,92		4,80
1,41	0	1,93	0,44	9,01	2,49	9,01	1,14	15,82	1,57	41,45	6,20	81,20	14,39	245,30	39,80
	0,35		0,38		1,74		0,99		1,57		6,02		12,96		39,80
	0,70		0,21		0,84		0,60		1,50		4,42		9,06		29,50
	0,84		0,12		0,53		0,49		1,21		3,25		8,31		18,80
	1,05		0,03		-		0,06		0,92		1,91		4,18		9,60
1,76	0	2,20	0,49	10,11	2,50	10,11	1,13	17,68	1,59	46,33	6,05	90,80	14,31	274,40	39,80
	0,35		0,44		2,03		1,09		1,59		6,10		14,28		39,80
	0,70		0,28		1,39		0,87		1,59		5,64		12,23		39,50
	1,05		0,15		0,63		0,47		1,31		4,30		9,34		25,50
	1,41		-		-		0,06		0,77		2,01		3,09		8,50
2,11	0	2,46	0,50	11,05	2,51	11,05	1,09	19,38	1,60	50,76	5,95	99,50	14,29	300,50	39,80
	0,35		0,50		2,41		1,08		1,60		5,96		14,28		39,80
	0,70		0,35		1,82		1,05		1,57		5,96		13,35		39,80
	1,05		0,23		1,07		0,71		1,59		5,18		10,55		32,30
	1,41		0,11		-		0,45		1,15		3,50		7,92		21,50
1,76	-	-	-	0,73	1,13	1,15	3,90								
2,46	0	2,65	0,51	11,96	2,54	11,96	1,09	20,93	1,61	54,84	5,93	107,40	14,30	324,40	39,80
	0,35		0,50		2,48		1,10		1,61		5,93		14,29		39,80
	0,70		0,43		2,14		1,10		1,60		5,96		14,14		39,80
	1,05		0,32		1,53		1,10		1,59		5,80		12,98		39,50
	1,41		0,19		0,93		0,70		1,38		4,68		10,40		29,00
1,76	0,07	-	0,25	1,04	2,98	5,62	16,10								
2,81	0	2,84	0,51	12,76	2,57	12,76	1,08	22,37	1,62	58,63	5,88	114,80	14,34	347,10	39,80
	0,35		0,51		2,44		1,12		1,61		5,88		14,43		39,80
	0,70		0,47		2,43		1,12		1,62		5,88		14,33		39,80
	1,05		0,40		1,89		1,12		1,61		5,88		13,91		39,80
	1,41		0,27		1,31		0,96		1,59		5,79		12,17		33,00
1,76	0,17	0,41	0,72	1,35	4,56	9,68	24,90								
2,11	0,02	-	0,25	0,95	2,69	5,14	10,70								
3,16	0	3,07	0,51	13,55	2,61	13,55	1,09	23,73	1,63	62,19	5,86	121,80	14,38	367,90	39,80
	0,35		0,51		2,46		1,09		1,64		5,86		14,40		39,80
	0,70		0,51		2,39		1,10		1,64		5,86		14,38		39,80
	1,05		0,44		2,21		1,10		1,63		5,86		14,10		39,80
	1,41		0,35		1,70		1,05		1,62		5,92		13,40		38,30
1,76	0,25	1,15	0,87	1,49	5,48	11,03	32,00								
2,11	0,15	-	0,65	1,22	4,18	7,13	21,50								
2,46	-	-	0,23	0,85	2,32	2,97	9,40								
3,52	0	3,22	0,52	14,27	2,63	14,27	1,10	25,02	1,61	65,56	5,83	128,40	14,35	388,00	39,80
	0,35		0,52		2,55		1,10		1,61		5,83		14,35		39,80
	0,70		0,52		2,47		1,12		1,61		5,83		14,28		39,80
	1,05		0,50		2,36		1,12		1,61		5,83		14,23		39,80
	1,41		0,37		1,86		1,12		1,60		5,83		14,16		39,80
1,76	0,28	1,28	1,04	1,54	5,83	12,85	37,10								
2,11	0,19	0,52	0,80	1,36	5,45	10,88	28,60								
2,46	0,08	-	0,49	0,99	4,06	7,61	18,90								
2,81	-	-	-	-	0,18	2,21	7,30								

MAZZEI INJECTORS

PERFORMANCE

Pressure		1/2" AIC 287 Model		3/4" AIC 484-X Model		3/4" AIC 484 Model		3/4" AIC 584 Model		1" AIC 1078 Model		1" 1/2 AIC 1583 Model		2" AIC 2081 Model	
a	b	Injector flow rate in l/min	Suction capacity l/min	Injector flow rate in l/min	Suction capacity l/min	Injector flow rate in l/min	Suction capacity l/min	Injector flow rate in l/min	Suction capacity l/min	Injector flow rate in l/min	Suction capacity l/min	Injector flow rate in l/min	Suction capacity l/min	Injector flow rate in l/min	Suction capacity l/min
Inlet bar	Output bar														
4,22	0	3,48	0,52	15,63	2,68	15,63	1,12	27,40	1,67	71,80	5,85	140,70	14,49	425,10	39,80
	0,35		0,52		2,67		1,12		1,67		5,85		14,44		39,80
	0,70		0,49		2,42		1,12		1,67		5,85		14,45		39,80
	1,05		0,49		2,40		1,12		1,67		5,85		14,32		39,80
	1,41		0,49		2,37		1,12		1,65		5,85		14,37		39,80
	2,11		0,36		1,46		1,09		1,60		5,87		13,03		37,90
	2,46		0,26		0,71		0,96		1,50		5,79		11,50		32,10
	2,81		0,17		-		0,76		1,27		4,87		9,33		24,00
	3,16		0,04		-		0,25		0,91		2,80		5,18		13,70
	0		0,52		2,67		1,14		1,63		5,89		14,43		39,80
0,39	0,52	2,68	1,14	1,63	5,89	14,43	39,80								
0,70	0,52	2,49	1,08	1,64	5,89	14,43	39,80								
1,05	0,52	2,35	1,08	1,64	5,89	14,43	39,80								
1,41	0,52	2,25	1,08	1,63	5,89	14,43	39,80								
2,11	0,47	1,98	1,08	1,62	5,90	14,24	39,80								
2,81	0,30	1,03	1,03	1,62	5,83	12,53	33,40								
3,16	0,22	0,57	0,85	1,47	5,16	10,07	27,80								
3,52	0,11	-	0,72	1,06	3,44	7,85	20,60								
3,87	-	-	0,09	0,57	1,82	2,73	9,00								
0	0,52	2,67	1,07	1,65	5,92	14,61	39,80								
0,35	0,52	2,65	1,07	1,60	5,92	14,61	39,80								
0,70	0,52	2,64	1,07	1,65	5,92	14,61	39,80								
1,05	0,52	2,57	1,07	1,65	5,92	14,61	39,80								
1,41	0,52	2,57	1,02	1,66	5,92	14,61	39,80								
2,11	0,51	2,51	1,03	1,66	5,92	14,61	39,80								
2,81	0,40	1,70	1,00	1,66	5,98	13,91	38,10								
3,52	0,26	0,43	0,94	1,58	5,77	11,19	31,90								
4,22	0,06	-	0,39	1,08	3,34	5,88	17,00								
4,57	-	-	-	0,50	2,08	0,76	3,80								
0	0,52	2,67	0,86	1,71	5,96	14,47	39,80								
0,35	0,52	2,65	0,86	1,71	5,96	14,47	39,80								
0,70	0,52	2,57	0,86	1,71	5,96	14,47	39,80								
1,41	0,52	2,57	0,86	1,73	5,96	14,47	39,80								
2,11	0,52	2,49	0,86	1,72	5,96	14,47	39,80								
2,81	0,50	2,11	0,86	1,72	6,03	14,45	39,80								
3,52	0,36	1,66	0,86	1,72	5,95	13,74	38,00								
4,22	0,22	-	0,84	1,54	5,34	11,22	28,90								
4,92	0,01	-	0,27	0,84	2,50	3,10	11,30								
5,27	-	-	-	0,33	1,30	-	-								
0	0,49	2,68	0,84	1,81	5,94	14,64	39,80								
0,35	0,49	2,65	0,84	1,81	5,94	14,64	39,80								
0,70	0,49	2,57	0,84	1,81	5,94	14,64	39,80								
1,41	0,49	2,50	0,84	1,84	5,94	14,64	39,80								
2,11	0,49	2,57	0,84	1,83	5,94	14,64	39,80								
2,81	0,47	2,21	0,84	1,82	5,94	14,64	39,80								
3,52	0,45	1,71	0,83	1,82	5,93	14,41	39,20								
4,22	0,33	0,96	0,84	1,79	5,99	13,01	37,50								
4,92	0,19	-	0,81	1,47	5,13	9,25	26,00								
5,62	-	-	0,06	1,06	1,93	1,62	7,60								
0	0,40	2,89	0,78	2,03	5,96	-	39,80								
0,35	0,40	2,77	0,78	2,03	5,96	-	39,80								
0,70	0,40	2,73	0,78	2,03	5,96	-	39,80								
1,41	0,40	2,65	0,78	2,03	5,96	-	39,80								
2,11	0,40	2,54	0,78	2,03	5,96	-	39,80								
2,81	0,40	2,32	0,77	2,01	5,96	-	39,80								
3,52	0,38	2,02	0,77	2,01	5,96	-	39,80								
4,22	0,37	1,57	0,77	2,00	6,01	-	38,60								
4,92	0,30	1,29	0,77	2,00	5,96	-	37,50								
5,62	0,23	-	0,77	1,80	5,73	-	33,00								
6,33	0,09	-	0,74	1,08	3,86	-	19,50								
7,03	-	-	-	0,69	1,41	-	-								



I.S.E. S.r.l reserves the right to change the product specifications without prior notice and without incurring any penalties.