

VENTURI

IJIVP - VENTURI

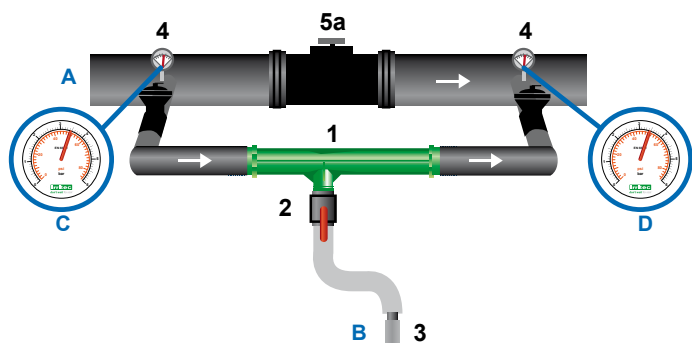
The new venturi injectors, with the renewed technical design, widen Irritec range for the in line injection of fertilizers.

Available in the sizes 3/4" - 1" - 1 1/2" - 2", built with materials of high mechanical and chemical resistance, they assure the regular distribution of fertilizers in the irrigation system. Precise and efficient, they need a small pressure difference to assure a high aspiration performance. Irritec finds the correct equilibrium between technique and practicality in the simplicity of the physical principle, designing a secure and efficient injector.

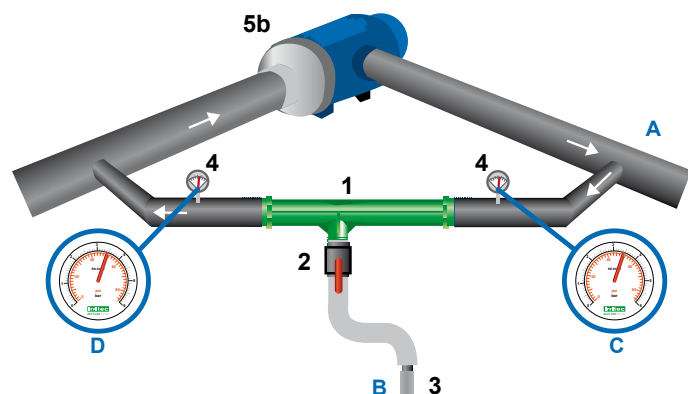


Installation

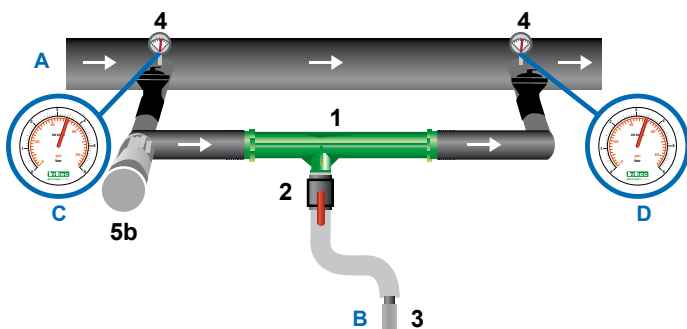
by pass with pressure regulator



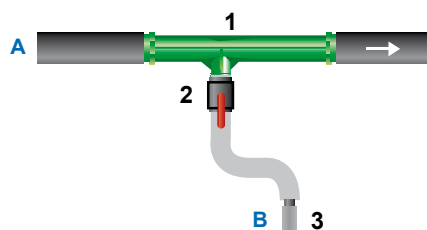
by pass with suction pump



by pass with pressurized pump



on line



- 1 INJECTOR
- 2 METERING VALVE
- 3 FILTER
- 4 ELECTRC PUMP
- 5 PRESSURE GAUGE
- 6 PRESSURE REDUCTION DEVICE

- A INLET PRESSURE
- B OUTET PRESSURE
- C INLET FLOW RATE
- D SUCTION FLOW RATE





Inlet pressure bar	INJECTOR 3/4"			INJECTOR 1"			INJECTOR 1 1/2"			INJECTOR 2"		
	Outlet pressure bar	Inlet flow rate lt/min	Aspiration flow rate lt/h	Outlet pressure bar	Inlet flow rate lt/min	Aspiration flow rate lt/h	Outlet pressure bar	Inlet flow rate lt/min	Aspiration flow rate lt/h	Outlet pressure bar	Inlet flow rate lt/min	Aspiration flow rate lt/h
0,35	0,00	13	90	0,00	26	360	0,00	54	590	0,00	160	2130
	0,10	11	63	0,10	23	198	0,10	45	294	0,10	140	1570
	0,20	10	27	0,20	21	84	0,20	43	200	0,20	122	505
	0,28	-	ns	0,28	-	ns	0,28	-	ns	0,28	113	175
	0,30	-	ns	0,30	-	ns	0,30	-	ns	0,30	-	ns
0,70	0,00	17	96	0,00	36	372	0,00	74	720	0,00	200	2220
	0,40	14	54	0,40	31	144	0,40	64	450	0,40	190	2200
	0,50	14	21	0,50	31	90	0,50	58	108	0,50	162	522
	0,60	-	ns	0,60	-	ns	0,60	-	ns	0,60	160	10
1,00	0,00	19	90	0,00	40	354	0,00	83	720	0,00	230	2040
	0,40	19	90	0,40	39	270	0,40	74	483	0,40	225	2040
	0,70	16	30	0,70	37	108	0,70	70	180	0,70	195	600
	0,84	-	ns	0,84	-	ns	0,84	-	ns	0,84	-	ns
1,40	0,00	22	90	0,00	47	336	0,00	93	720	0,00	256	1980
	0,35	22	90	0,35	47	336	0,35	90	642	0,35	256	1980
	0,70	22	90	0,70	46	264	0,70	86	440	0,70	238	1386
	1,00	19	40	1,00	45	126	1,00	83	204	1,00	226	642
2,10	0,00	26	90	0,00	56	312	0,00	110	700	0,00	330	1980
	0,35	26	90	0,35	56	312	0,35	110	700	0,35	310	1980
	0,70	26	90	0,70	56	312	0,70	110	678	0,70	314	1980
	1,00	26	90	1,00	56	312	1,00	108	600	1,00	307	1740
	1,40	25	63	1,40	54	204	1,40	104	390	1,40	300	1080
3,10	1,70	23	18	1,70	53	36	1,70	99	70	1,70	290	270
	0,00	32	90	0,00	66	300	0,00	131	700	0,00	358	1950
	0,35	32	90	0,35	66	300	0,35	131	700	0,35	358	1950
	0,70	32	90	0,70	66	300	0,70	131	700	0,70	357	1950
	1,00	32	90	1,00	66	300	1,00	131	700	1,00	357	1950
	1,70	32	90	1,70	66	300	1,70	130	630	1,70	353	1650
	2,00	31	83	2,00	66	282	2,00	127	504	2,00	344	1314
	2,40	29	39	2,40	65	123	2,40	124	213	2,40	337	534
4,10	0,00	37	90	0,00	77	300	0,00	134	700	0,00	450	1950
	2,00	37	90	2,00	77	300	2,00	134	700	2,00	440	1950
	2,40	37	90	2,40	77	300	2,40	134	612	2,40	394	1740
	3,00	36	66	3,00	76	230	3,00	132	324	3,00	386	1050
	3,24	35	36	3,24	-	ns	3,24	132	168	3,24	380	500
5,50	0,00	42	90	0,00	90	300	0,00	159	720	0,00	460	1950
	2,06	42	90	2,06	90	300	2,06	159	720	2,06	460	1950
	3,10	42	90	3,10	90	300	3,10	158	708	3,10	460	1884
	4,10	41	70	4,10	90	255	4,10	156	378	4,10	445	1104
	4,48	40	32	4,48	89	84	4,48	154	132	4,48	440	276
6,90	0,00	47	90	0,00	95	300	0,00	178	720	0,00	530	1950
	2,75	47	90	2,75	95	300	2,75	178	720	2,75	530	1950
	4,50	47	90	4,50	95	300	4,50	177	660	4,50	530	1950
	5,20	46	81	5,20	94	234	5,20	175	384	5,20	510	1308
	5,44	46	57	5,44	94	147	5,44	174	240	5,44	510	888

NS: no suction