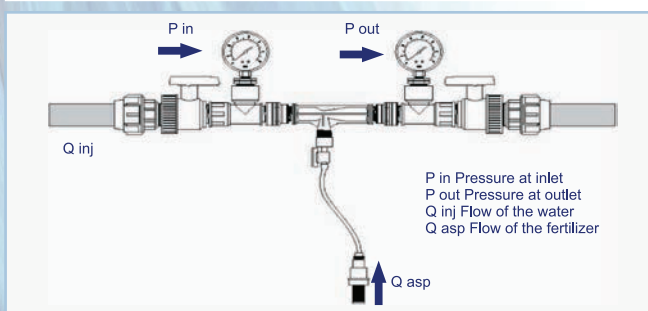


Venturi Injector

AQ-112RS & AQ-113RS



Typical Installation

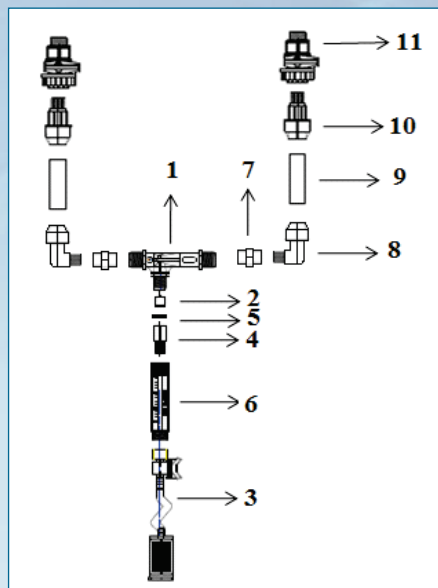


Performance Data

Pressure		$\frac{3}{4}$ " Venturi Injector (Model 112)		1" Venturi Injector (Model 113)	
P. in	P. out	Q inj	Q asp	Motive Flow	Water Suction
Inlet Pressure kg/cm ²	Outlet Pressure kg/cm ²	Motive Flow L/H	Water Suction L/H	L/H	L/H
0.5	0	750	200	2200	300
0.75	0	856	200	2640	300
1	0	983	200	3000	300
	0.25		150		300
	0.5		150		200
1.5	0	1195	200	3500	300
	0.5		200		300
	0.75		180		180
	1		50		80
2	0	1356	200	4290	300
	0.5		200		300
	0.75		180		260
	1		170		219
	1.25		120		162
2.5	1.5		40		29
	0	1527	200	4645	300
	0.5		200		300
	0.75		200		300
	1		200		292
	1.25		160		240
3	1.5		150		152
	1.75		80		78
	0	1671	200	5065	300
	1		200		300
	1.25		200		240
	1.5		200		256
	1.75		175		210
	2		150		150
3.5	2.25		60		60
	0	1783	200	5370	300
	1		200		300
	1.5		200		250
	1.75		200		240
	2		190		216
	2.25		150		120
	2.5		100		81
4	2.75		40		20
	0	1907	200	5720	300
	1		200		300
	2		200		290
	2.25		170		200
	2.5		160		179
	2.75		120		118
	3		50		56

*The test carried out by using water as suction liquid.

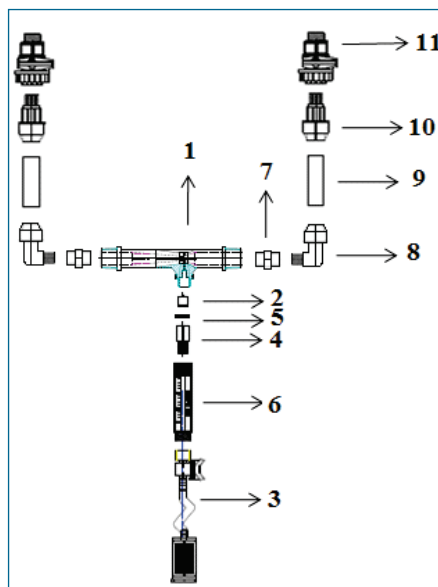
Venturi Injector



AQ-112RS			
ITEM CODE	MODEL NO	DESCRIPTION	CONNECTION SIZE
20030001	112	3/4" Venturi With Suction Port	3/4" BSP (25mm)
20030006	112	3/4" Venturi With Suction Port	3/4" NPT(25mm)
20010001	112R	3/4" Venturi With Suction Port & Rotameter	3/4" BSP (25mm)
20010006	112R	3/4" Venturi With Suction Port & Rotameter	3/4" NPT(25mm)
20060025	112S	3/4" Venturi Assy With Suction Port	3/4" BSP (25mm)
20060026	112S	3/4" Venturi Assy With Suction Port	3/4" NPT(25mm)
20050027	112RS	3/4" Venturi Assy With Suction Port & Rotameter	3/4" BSP (25mm)
20050028	112RS	3/4" Venturi Assy With Suction Port & Rotameter	3/4" NPT(25mm)

SPARE PARTS

S. NO	PARTS NAME	PART CODE	MATERIAL	QTY
1	Body (BSP Thread) Black	12440002	Glass reinforced PP	1
	Body (NPT Thread) Black	12440002		
2	NRV	20000006	PP	1
3	Suction Port Assy	20000001	Glass reinforced PP	1
4	Adaptor	12460020	Glass reinforced PP	1
5	Adaptor Washer	50020009	NBR	1
6	Rotameter Assy	20000009	PP	1
7	3/4" Hex Socket	12440001	Glass reinforced PP	1
8	25mm MTA Ebody (C.F.)	12480016	PP	2
9	25mm MTA body (C.F.)	12480016	PP	2
10	HDPE PIPE 25X3/4"	50100151	HDPE	1ft x2
11	3/4" FxP PVC Ball Valve	19070002	PVC	2
	3/4" MxP PVC Ball Valve	19070001		



AQ-113RS			
ITEM CODE	MODEL NO	DESCRIPTION	CONNECTION SIZE
20030002	113	1" Venturi With Suction Port	1" BSP (32mm)
20030007	113	1" Venturi With Suction Port	1" NPT(32mm)
20010002	113R	1" Venturi With Suction Port & Rotameter	1" BSP (32mm)
20010007	113R	1" Venturi With Suction Port & Rotameter	1" NPT(32mm)
20060023	113S	1" Venturi Assy With Suction Port	1" BSP (32mm)
20060024	113S	1" Venturi Assy With Suction Port	1" NPT(32mm)
20050025	113RS	1" Venturi Assy With Suction Port & Rotameter	1" BSP (32mm)
20050026	113RS	1" Venturi Assy With Suction Port & Rotameter	1" NPT(32mm)

SPARE PARTS

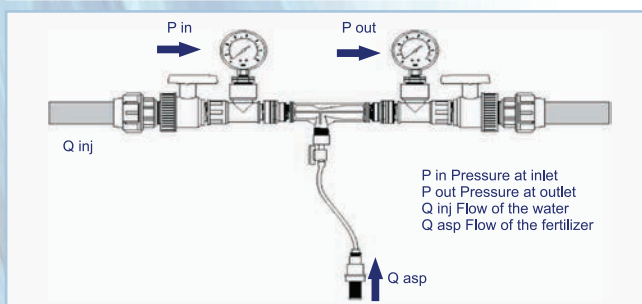
S. NO	PARTS NAME	PART CODE	MATERIAL	QTY
1	Body (BSP thread) Black	12420001	Reinforced PP	1
	Body (NPT thread) Black	12420011		
2	NRV	20000006	PP	1
3	Suction Port Assy	20000001	Glass reinforced PP	1
4	Adopter	12460018	Glass reinforced PP	1
5	Adopter washer	50020009	NBR	1
6	Rotameter Assy	20000011	PP	1
7	1" Hex Socket	12440001	Reinforced PP	2
8	32mm MTA Ebody (C.F.)	12420002	PP	2
9	32mm MTA body (C.F.)	12470007	PP	2
10	HDPE PIPE 32X27mm	50100232	HDPE	2
11	1" FxP PVC ball valve	19070006	PVC	2
	1" MxP PVC ball valve	19070005		

Venturi Injector

AQ-114RS



Typical Installation

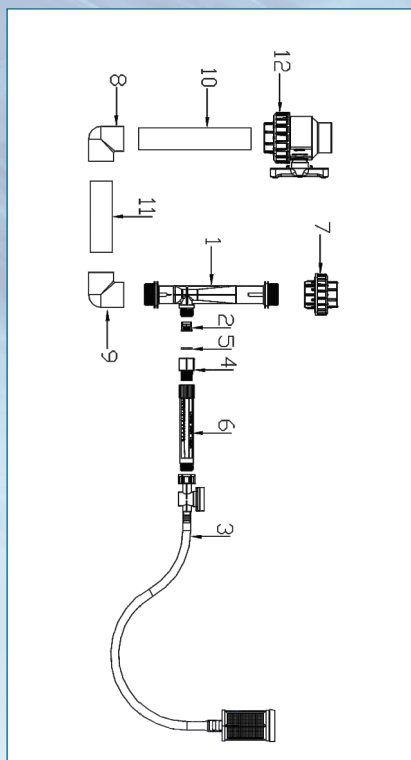


*The test carried out by using water as suction liquid.

Performance Data

Pressure		1½" Venturi Injector (Model 114)	
P. in Inlet Pressure kg/cm ²	P. out Outlet Pressure kg/cm ²	Q inj Motive Flow L/H	Q asp Water Suction L/H
0.5	0	3238	698
0.75	0	3902	798
1	0	4532	808
	0.25		780
	0.5		506
1.5	0	5712	811
	0.5		802
	0.75		631
	1		317
2	0	6590	814
	0.5		808
	0.75		808
	1		719
	1.25		518
	1.5		215
2.5	0	7428	814
	0.5		808
	0.75		808
	1		806
	1.25		768
	1.5		594
	1.75		371
	2		112
3	0	8163	812
	1		807
	1.25		807
	1.5		795
	1.75		712
	2		502
	2.25		284
	0	8814	822
3.5	1		820
	1.5		811
	1.75		808
	2		761
	2.25		575
	2.5		356
	2.75		186
	0	9422	821
4	1		808
	2		804
	2.25		793
	2.5		678
	2.75		492
	3		268
	3.25		112
	0	9918	826
4.5	1		814
	2		811
	2.5		794
	2.75		725
	3		558
	3.25		406
	3.5		216
	3.75		66
5	0	10471	827
	1		814
	2		814
	3		796
	3.25		686
	3.5		505
	3.75		358
	4		168

Venturi Injector



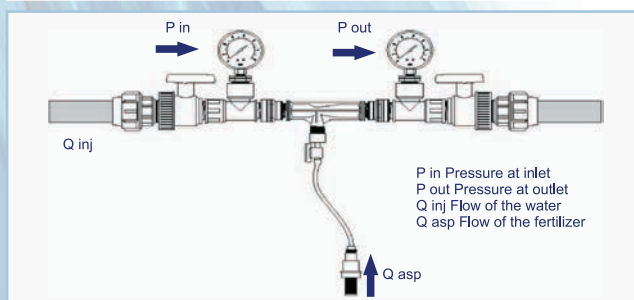
AQ-114RS					
ITEM CODE	MODEL NO	DESCRIPTION	CONNECTION SIZE		
20030003	114	1½" Venturi With Suction Port	1½" BSP (50 mm)		
20030008	114	1½" Venturi With Suction Port	1½" NPT(50 mm)		
20010003	114R	1½" Venturi With Suction Port & Rotameter	1½" BSP (50 mm)		
20010008	114R	1½" Venturi With Suction Port & Rotameter	1½" NPT(50 mm)		
20060003	114S	1½" Venturi Assy With Suction Port	1½" BSP (50 mm)		
20060008	114S	1½" Venturi Assy With Suction Port	1½" NPT(50 mm)		
20050003	114RS	1½" Venturi Assy With Suction Port & Rotameter	1½" BSP (50 mm)		
20050008	114RS	1½" Venturi Assy With Suction Port & Rotameter	1½" NPT(50 mm)		
SPARE PARTS					
S. NO	PARTS NAME		PART CODE	MATERIAL	QTY
1	Body (BSP Thread) Black		12430002	Glass reinforced PP	1
	Body (NPT Thread) Black		12430003		
2	NRV		20000014	Glass reinforced PP	1
3	Suction Port Assy		20000003	Glass reinforced PP	1
4	Adaptor		12430008	PP	1
5	Adaptor Washer		50020011	NBR	1
6	Rotameter Assy		20000012	Glass reinforced PP	1
7	Union 50 MM(TXT)		12000002	PVC	1
8	Elbow 50MM (PXP)		12230048	PVC	1
9	Elbow 50MM (TXP)		12430007	PVC	1
10	Pipe 50MM (LENGTH -600 mm)		50100007	PVC	1
11	Pipe 50MM (275 mm)		50100007	PVC	1
12	50 mm SU Ball Valve (PXT)		19070508	PVC	1

Venturi Injector

AQ - 115RS



Typical Installation

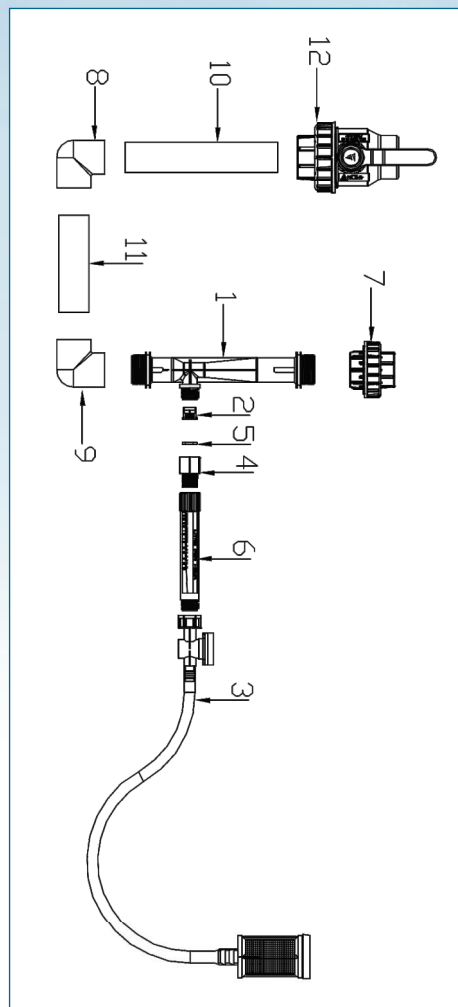


*The test carried out by using water as suction liquid.

Performance Data

Pressure		2" venturi Injector Low Flow (Model 115LF)		2" venturi Injector High Flow (Model 115HF)	
P. in	P. out	Q inj	Q asp	Q inj	Q asp
Kg/cm2	Kg/cm2	Motive Flow L/H	Water Suction L/H	Motive Flow L/H	Water Suction L/H
0.5	0	3141	800	10320	2000
0.75	0	3924	835	12300	2000
	0	4697	850	14400	2000
1	0.25		700		1900
	0.5		400		1800
1.5	0	5741	900	16800	2000
	0.5		700		1980
	0.75		400		1500
2	1		150		1900
	0	6598	900	18900	2000
	0.5		810		2000
	0.75		710		1800
	1		500		1500
2.5	1.25		271		1020
	1.5		200		600
	0	7346	900	20100	2000
	0.5		900		2000
	0.75		890		1980
	1		800		1580
	1.25		750		1500
3	1.5		400		1080
	1.75		250		720
	2		200		N/S
	0	8041	900	22500	2000
	1		900		2000
	1.25		850		2000
	1.5		750		1620
	1.75		450		1500
3.5	2		250		840
	2.25		200		520
	2.5		150		N/S
	0	8688	900	24300	2000
	1		900		2000
	1.5		850		2000
	1.75		750		1800
	2		450		1580
4	2.25		300		1490
	2.5		250		860
	2.75		200		N/S
	0	9290	900	25800	2000
	1		900		2000
	2		800		1500
	2.25		700		1400
	2.5		400		1020
4.5	2.75		200		840
	3		150		580
	3.25		100		N/S
	0	9841	900	26400	2000
	1		900		2000
	2		880		2000
	2.5		800		1700
	2.75		500		1500
5	3		300		500
	3.25		250		350
	3.5		200		N/S
	3.75		150		N/S
	0	10397	900	28500	2000
	1		900		2000
	2		850		2000
	3		700		1900
5.5	3.25		500		1400
	3.5		310		700
	3.75		250		400
	4		200		N/S
	4.25		150		N/S
	0	10866	900	30000	2000
	1		900		2000
	2		900		2000
6	3		850		1800
	3.25		700		1800
	3.5		550		1000
	3.75		450		900
	4		320		800
	4.25		270		200
	4.5		200		N/S
	4.75		150		N/S
	0	11171	900	32000	2000
	1		900		2000
	2		900		2000
	3		850		1900
	4		700		1800
	4.25		600		700
	4.5		510		500
	4.75		400		N/S
5	5		250		N/S

Venturi Injector



AQ-115RS					
ITEM CODE	MODEL NO	DESCRIPTION	CONNECTION SIZE		
20030004	115	2" Venturi With Suction Port (L.F)	2" BSP (63 mm)		
20030005	115	2" Venturi With Suction Port (H.F)	2" BSP (63 mm)		
20030009	115	2" Venturi With Suction Port (L.F)	2" NPT(63 mm)		
20030010	115	2" Venturi With Suction Port(H.F)	2" NPT(63 mm)		
20010004	115R	2" Venturi With Suction Port & Rotameter(L.F)	2" BSP (63 mm)		
20010005	115R	2" Venturi With Suction Port & Rotameter(H.F)	2" BSP (63 mm)		
20010009	115R	2" Venturi With Suction Port & Rotameter(L.F)	2" NPT(63 mm)		
20010010	115R	2" Venturi With Suction Port & Rotameter(H.F)	2" NPT(63 mm)		
20060004	115S	2" Venturi Assy with Suction Port (L. F)	2" BSP (63 mm)		
20060019	115S	2" Venturi Assy with Suction Port (L. F)	2" BSP (63 mm)		
20060009	115S	2" Venturi Assy with Suction Port (L. F)	2" NPT(63 mm)		
20060010	115S	2" Venturi Assy with Suction Port (L. F)	2" NPT(63 mm)		
20050004	115RS	2" Venturi Assy With Suction Port & Rotameter(L.F)	2" BSP (63 mm)		
20050005	115RS	2" Venturi Assy With Suction Port & Rotameter(H.F)	2" BSP (63 mm)		
20050009	115RS	2" Venturi Assy With Suction Port & Rotameter(L.F)	2" NPT(63 mm)		
20050010	115RS	2" Venturi Assy With Suction Port & Rotameter(H.F)	2" NPT(63 mm)		
SPARE PARTS					
S. NO	PARTS NAME		PART CODE	MATERIAL	QTY
1	VI Body LF (BSP) Black		12450003	Glass reinforced PP	1
	VI Body LF(NPT) Black		12450004		
	VI Body HF (BSP) Black		12450001		
	VI Body HF(NPT) Black		12450002		
2	NRV		20000005	Glass reinforced PP	1
3	Suction Port Assy		20000004	Glass reinforced PP	1
4	Adaptor		12450016	PP	1
5	Adaptor Washer		50020010	NBR	1
6	Rotameter Assy		20000008	Glass reinforced PP	1
7	Union 63MM (TXT)		19070531	PVC	1
8	Elbow (PXP)63MM		12240030	PVC	1
9	Elbow 63MM(PXT)		12240029	PVC	1
10	Pipe 63MM (LENGTH-580 mm)		50100002	PVC	1
11	Pipe 63MM (LENGTH-310 mm)		50100002	PVC	1
12	2" Long Blue Handle Ball Valve (PXT) S.U		19070528	PVC	1