

# Orbit®

## TUIN BESPROEING GARDEN IRRIGATION

WATER SERVICE LINE

CONTROLLER

ELECTRICAL WIRE

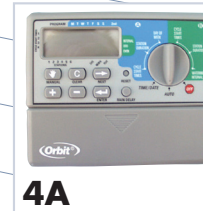
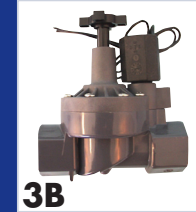
MAIN LINE

VALVE BOX

SPRINKLER

LATERAL LINE

SUB MAIN LINE



1 BALSUIT KRAAN  
BALL VALVE

2 PVC SPRUITPYP  
PVC MANIFOLD

3A SOLENOÏED KLEP  
SOLENOID VALVE

3B VLOEIBEHEER KLEP  
FLOW CONTROL VALVE

4A BINNE KONTROLEERDER  
INDOOR CONTROLLER

4B BUITE KONTROLEERDER  
OUTDOOR CONTROLLER

5 TRANSFORMATOR  
TRANSFORMER

6 UITWIP SPRINKELAAR VERST  
POP-UP SPRINKLER ADJ

7 SATURN RAT UITWIP SPRINKELAAR  
SATURN GEAR POP-UP SPRINKLER

8 VOYAGER RAT UITWIP SPRINKELAAR  
VOYAGER GEAR POP-UP SPRINKLER

9 SATELLITE IMPAK SPRINKELAAR  
SATELLITE IMPACT SPRINKLER

10 OORDRUK ELMBOOG  
FULL FLOW ELBOW

11 OORDRUK TEE  
FULL FLOW TEE

12 KLEPKAS  
VALVE BOX

13 LDPE PLASTIESE PYP  
LDPE PLASTIC PIPE

### 10Ft Adjustable Nozzle Performance Data 10° Trajectory

NOZZLE	PRESSURE	RADIUS m	FLOW L/H
90° Arc	1.7	2.7	144.00
	2.1	3.0	144.00
180° Arc	1.7	2.7	252.00
	2.1	3.0	288.00
270° Arc	1.7	2.7	396.00
	2.1	3.0	468.00
360° Arc	1.7	2.7	540.00
	2.1	3.0	612.00

### 12Ft Adjustable Nozzle Performance Data 15° Trajectory

NOZZLE	PRESSURE	RADIUS m	FLOW L/H
90° Arc	1.7	4.6	180.00
	2.1	4.9	180.00
180° Arc	1.7	4.6	324.00
	2.1	4.9	360.00
270° Arc	1.7	4.6	504.00
	2.1	4.9	540.00
360° Arc	1.7	4.6	684.00
	2.1	4.9	720.00

### 15Ft Adjustable Nozzle Performance Data 12° Trajectory

NOZZLE	PRESSURE	RADIUS m	FLOW L/H
90° Arc	1.7	4.6	180.00
	2.1	4.9	180.00
180° Arc	1.7	4.6	324.00
	2.1	4.9	360.00
270° Arc	1.7	4.6	504.00
	2.1	4.9	540.00
360° Arc	1.7	4.6	684.00
	2.1	4.9	720.00

### 18Ft Adjustable Nozzle Performance Data 26° Trajectory

NOZZLE	PRESSURE	RADIUS m	FLOW L/H
90° Arc	1.7	5.2	180.00
	2.1	5.5	180.00
180° Arc	1.7	5.2	360.00
	2.1	5.5	360.00
270° Arc	1.7	5.2	540.00
	2.1	5.5	576.00
360° Arc	1.7	5.2	720.00
	2.1	5.5	756.00

### SATURN / TITAN FLOW TABLES

BAR	NOZZLE 0.75		NOZZLE 1.5		NOZZLE 3.0	
	RAD	L/H	RAD	L/H	RAD	L/H
2.1	5.15	146	6.98	297	8.49	570
2.8	5.46	171	7.28	342	9.09	684
3.4	5.46	194	7.28	388	9.09	775

### PLASTIC MUSHROOM BUBBLER

RADIUS	MAX SPRAY	PRESSURE	L/H
FLOOD	360°	25	681.6

### VOYAGER SPRINKLER FLOW TABLES

BAR	NOZZLE 1		NOZZLE 2		NOZZLE 3		NOZZLE 4		NOZZLE 5		NOZZLE 6	
	RAD	L/H	RAD	L/H	RAD	L/H	RAD	L/H	RAD	L/H	RAD	L/H
2.1	8.5	114	8.8	156	9.1	204	9.8	270	10.4	366	11.0	456
2.8	8.8	138	9.1	180	9.4	228	10.1	318	11.0	408	11.6	546
3.4	8.8	162	9.1	204	9.4	270	10.4	366	11.6	456	11.6	612
4.1	9.1	180	9.4	228	9.8	294	10.4	408	11.6	498	12.2	660

BAR	NOZZLE 7		NOZZLE 8		NOZZLE 9		NOZZLE 10		NOZZLE 11		NOZZLE 12	
	RAD	L/H	RAD	L/H	RAD	L/H	RAD	L/H	RAD	L/H	RAD	L/H
2.1	11.0	588	11.3	726	11.6	954	13.7	1362	14.0	1818	14.0	2592
2.8	12.2	684	12.2	840	13.1	1110	14.6	1542	14.6	2022	14.6	2772
3.4	12.8	774	13.1	954	14.0	1248	14.9	1728	15.2	2226	15.2	3000
4.1	12.8	840	13.4	1044	14.3	1362	15.5	1860	15.5	2382	15.9	3270

### MAXIMUM SPRINKLERS PER LINE

Pipe Size (mm)	ORBIT SATURN (2.1 Bar)		
	Nozzle Red (0.75) Flow 146l/h (Rad 5.15m)	Nozzle Blue (1.50) Flow 297l/h (Rad 6.98m)	Nozzle Green (3.0) Flow 570l/h (Rad 8.5m)
	20	15	7
25	24	11	6

Pipe Size (mm)	ORBIT PRO 2" & 4" (1.75 Bar)		
	Nozzle 11 feet Flow 570l/h (Rad 3.64m)	Nozzle 13 feet Flow 650l/h (Rad 4.1m)	Nozzle 15 feet Flow 718l/h (Rad 4.75m)
	20	4	4
25	6	5	5

Pipe Size (mm)	ORBIT VOYAGER (2.8 Bar)		
	Nozzle No. 1 Flow 138l/h (Rad 8.8m)	Nozzle No. 2 Flow 180l/h (Rad 9.1m)	Nozzle No. 3 Flow 228l/h (Rad 9.4m)
	20	16	12
25	25	19	15

Pipe Size (mm)	Nozzle No. 4 Flow 318l/h (Rad 10.1m)			Nozzle No. 5 Flow 408l/h (Rad 11.0m)			Nozzle No. 6 Flow 546l/h (Rad 11.6m)		
	20	7	5	4					
	25	11	8	6					