

COMMERCIAL & MUNICIPAL ROTORS

SPECIFICATIONS

OPERATING RANGE:

40-75 psi (2,7 – 5,2 bar)

MAXIMUM PRESSURE:

80 psi (5,5 bar)

DISCHARGE:

2.8 to 13.2 gpm (0,64 – 3,00 m³/hr)

SPRAY TRAJECTORY:

25°

POP-UP HEIGHT:

4" (10 cm)

BODY HEIGHT:

8" (20,3 cm)

EXPOSED CAP DIAMETER:

1 7/8" (4,7 cm)

CAP DIAMETER:

2 7/8" (7,3 cm)

TYPE OF CAP:

Rubber with locking screw

INLET SIZE:

1" (25,4 mm) female NPT (6500, 6503, 6505)

1" (25,4 mm) female BSP (6510, 6513, 6515)

SCREEN MESH:

.045 sq. in. (1,14 mm²) / 1150 micron

ADV MODELS:

Holds back up to 10' (3 m) difference in elevation

PER BOX:

20

6500 (6510)

6500/6510 Standard with ADV

6500RW (6510RW)

6500/6510 for Reclaimed Water & ADV

6503 (6513)

6500-Pro High Speed Rotation, and stainless steel riser

6505 (6515)

6500/6510 Standard with stainless steel riser and ADV

Note: Versions in parenthesis feature BSP threading

6500



6503



6505



6500RW



Accessories

6090

Lavender Cover

6096

Wrench

6099

Anti-drain valve (not shown)

6090



6096



Radius reduction adjustment hole

Pull-up slot



FEATURES

- Bayonet protective cap.
- NIR² feature (Nozzle Insertion/Radius Reduction) on all models eliminates the need to remove the cap for nozzle adjustments.
- Four interchangeable Acu-Cover nozzles ranging from 2.8 to 13.2 gpm (0,64 – 3,00 m³/hr).
- Rubber cap has locking screw (6092) for vandal protection (standard on all units).
- Proven reliability of the water driven gear motor.
- Click-Set[®] collars are quick and easy to adjust.
- Continuous 360° rotation or part-circle adjustment 40° to 310°.
- Ratcheting slip clutch protects gears and motor from damage while adjusting turret for part-circle adjustments - wet or dry.
- 6503 Pro offers one minute revolution for quick syringe applications.
- Heavy-duty case with stabilizer ribs increases stability even in loose soil.
- Wrench, piston clamp and installation instructions included.



6500 PRO SERIES

25° trajectory (Part Numbers - 77636)
Nozzle color



Pressure	Max Radius	Min Radius	Discharge	Precipitation Rate ¹		Nozzle Number	Pressure	Max Radius	Min Radius	Discharge	Precipitation Rate ¹			
				IN/HR■	IN/HR▲						BAR	kPa	m	m
45	44	33	2.8	0.23	0.29	61	3.1	310	13.4	10.1	10.6	0.64	5.8	7.2
60	46	35	3.3	0.27	0.34		4.1	414	14.0	10.5	12.5	0.75	6.9	8.6
75	46	35	3.8	0.31	0.39		5.2	517	14.0	10.5	14.4	0.86	7.9	9.8
45	48	36	5.2	0.39	0.49	62	3.1	310	14.6	11.0	19.7	1.18	10.0	12.4
60	52	39	6.1	0.41	0.52		4.1	414	15.9	11.9	23.1	1.39	10.5	13.1
75	54	41	7.0	0.44	0.54		5.2	517	16.5	12.4	26.5	1.59	11.1	13.8
45	51	38	7.4	0.52	0.65	63	3.1	310	15.6	11.7	28.0	1.68	13.2	16.4
60	54	41	8.8	0.55	0.68		4.1	414	16.5	12.4	33.3	2.00	13.9	17.4
75	55	41	10.1	0.60	0.75		5.2	517	16.8	12.6	38.2	2.29	15.4	19.2
45	52	39	9.7	0.67	0.83	64	3.1	310	15.9	11.9	36.7	2.20	17.0	21.2
60	57	43	11.6	0.66	0.82		4.1	414	17.4	13.0	43.9	2.63	16.7	20.8
75	60	45	13.2	0.66	0.84		5.2	517	18.3	13.7	50.0	3.00	17.1	21.4

¹ Precipitation rates for square and triangular spacing calculated at 50% of diameter for half-circle operation. Assumes zero wind for precipitation and radius. Adjust for local conditions.

6503/6513 PRO HIGH SPEED

25° trajectory (Part Numbers - 77636)
Nozzle color



Pressure	Max Radius	Min Radius	Discharge	Precipitation Rate ¹		Nozzle Number	Pressure	Max Radius	Min Radius	Discharge	Precipitation Rate ¹			
				IN/HR■	IN/HR▲						BAR	kPa	m	m
45	43	32	2.8	0.29	0.34	61	3.1	310	13.1	9.8	10.6	0.64	32.3	37.3
60	43	32	3.3	0.34	0.40		4.1	414	13.1	9.8	12.5	0.75	38.1	44.0
75	43	32	3.8	0.40	0.46		5.2	517	13.1	9.8	14.4	0.86	43.8	50.6
45	44	33	5.2	0.52	0.60	62	3.1	310	13.4	10.1	19.7	1.18	57.3	66.1
60	46	35	6.1	0.56	0.64		4.1	414	14.0	10.5	23.1	1.39	61.5	71.0
75	47	35	7.0	0.61	0.71		5.2	517	14.3	10.7	26.5	1.59	67.6	78.0
45	48	36	7.4	0.62	0.72	63	3.1	310	14.6	11.0	28.0	1.68	68.5	79.1
60	50	38	8.8	0.68	0.79		4.1	414	15.2	11.4	33.3	2.00	75.1	86.7
75	50	38	10.1	0.78	0.90		5.2	517	15.2	11.4	38.2	2.29	86.2	99.5
45	46	35	9.7	0.89	1.02	64	3.1	310	14.0	10.5	36.7	2.20	97.8	112.9
60	49	37	11.6	0.93	1.08		4.1	414	14.9	11.2	43.9	2.63	103.0	119.0
75	51	38	13.2	0.98	1.13		5.2	517	15.5	11.7	50.0	3.00	108.2	125.0

¹ Precipitation rates for square and triangular spacing calculated at 50% of diameter for half-circle operation. Assumes zero wind for precipitation and radius. Adjust for local conditions.

ROTORS

SIGNATURE CONTROL SYSTEMS, INC.

WORLD HEADQUARTERS
18 Goodyear • Suite 110
Irvine • California • 92618
Tel: 949.580.3640
Fax: 949.580.3645

MANUFACTURING FACILITY
8800 N.Allen Rd.,
Peoria • Illinois • 61615
Tel: 949.580.3640
Fax: 949.580.3645

EUROPE & MIDDLE EAST
5 rue de la Vallée Yart
78640 Saint Germain de la Grange
France
Tel: +33.13.489.9056
Fax: +33.13.489.6025

REGIONAL OFFICES
ASIA
NanXian Plaza • MinZhi Street • Shenzhen,
Guangdong Province • 518131
Tel: (86) 136.00419465 • Fax: (86) 755.83275012
SOUTH AMERICA
Av Paseo Los Bravos 6000 • Lo Barnechea
Santiago • Chile
Tel/Fax: +56 229.556220

MEXICO, CENTRAL AMERICA
Ribera Escondida 118 • Riberas Del Campestre
38080 Celaya • Gto. • Mexico
Tel/Fax: +52 (461) 614.2322
AFRICA
P.O. Box 1260 • Strubensville 1735
Rooodepoort • South Africa
Office & Mobile: +27 82 553 9093 • Fax: 086 670 6318

USA Toll Free: 866.4SIGNATURE

www.SignatureControlSystems.com