

PGJ

Radius: **4.0 to 10.7 m**
Flow: **0.08 to 1.0 m³/hr; 1.4 to 16.7 l/min**

The highly durable PGJ offers all the benefits of a large rotor in a compact, spray-sized package, with water-efficient nozzles and easy arc adjustment.

KEY BENEFITS

- Headed and slotted setscrew allows radius adjustment with a Hunter Wrench or flat-blade screwdriver
- Adjustable arc from 40° to 360° to keep water in the appropriate areas
- Standard factory-installed 2.0 nozzle speeds installation
- QuickCheck™ Arc Mechanism for fast arc adjustment

OPERATING SPECIFICATIONS

- Nozzle choices: 8
- Radius: 4.0 to 10.7 m
- Flow: 0.08 to 1.0 m³/hr; 1.4 to 16.7 l/min
- Recommended pressure range: 1.7 to 3.8 bar; 170 to 380 kPa
- Operating pressure range: 1.4 to 7.0 bar; 140 to 700 kPa
- Precipitation rate: 15 mm/hr approximately
- Nozzle trajectory: 15° approximately
- Warranty period: 2 years

FACTORY-INSTALLED OPTIONS

- Drain Check Valve (up to 2.1 m of elevation) excluding PGJ-00
- Reclaimed water ID

USER-INSTALLED OPTIONS

- Drain Check Valve (up to 2.1 m of elevation) excluding PGJ-00 (P/N 462078SP)
- HC-50F-50M Check Valve (up to 9.7 m of elevation)



PGJ Reclaimed

Available as a factory-installed option on all models

PGJ - SPECIFICATION BUILDER: ORDER 1 + 2 + 3

1 Model	2 Standard Features	3 Feature Options
PGJ-00 = Shrub	Adjustable arc, 8 standard nozzles	(blank) = No option
PGJ-04 = 10 cm pop-up		V = Drain Check Valve
PGJ-06 = 15 cm pop-up		R = Drain Check Valve and reclaimed water ID (pop-up models only)
PGJ-12 = 30 cm pop-up		

Examples:

- PGJ-04 = 10 cm pop-up, adjustable arc
- PGJ-06 -V = 15 cm pop-up, adjustable arc, with Drain Check Valve
- PGJ-12 -R = 30 cm pop-up, adjustable arc, with Drain Check Valve and reclaimed water ID



PGJ-00

Overall height: 18 cm
Exposed diameter: 3 cm
Inlet size: ½"



PGJ-04

Overall height: 18 cm
Pop-up height: 10 cm
Exposed diameter: 3 cm
Inlet size: ½"



PGJ-06

Overall height: 23 cm
Pop-up height: 15 cm
Exposed diameter: 3 cm
Inlet size: ½"



PGJ-12

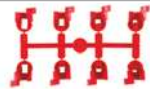
Overall height: 41 cm
Pop-up height: 30 cm
Exposed diameter: 3 cm
Inlet size: ½"

PGJ PERFORMANCE DATA							
Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
0.50	1.7	170	4.3	0.08	1.4	9	11
	2.0	200	4.3	0.09	1.6	10	12
	2.5	250	4.6	0.11	1.8	10	12
	3.0	300	4.6	0.12	2.0	12	13
	3.5	350	4.9	0.13	2.2	11	13
	3.8	380	4.9	0.14	2.3	12	14
0.75	1.7	170	4.3	0.13	2.2	14	17
	2.0	200	4.6	0.14	2.4	14	16
	2.5	250	4.9	0.16	2.7	13	15
	3.0	300	5.2	0.18	3.0	13	15
	3.5	350	5.2	0.19	3.2	14	17
	3.8	380	5.5	0.20	3.4	13	15
1.0	1.7	170	5.2	0.18	3.0	13	15
	2.0	200	5.5	0.19	3.2	13	15
	2.5	250	5.5	0.21	3.5	14	16
	3.0	300	5.8	0.23	3.8	14	16
	3.5	350	5.8	0.24	4.1	15	17
	3.8	380	6.1	0.25	4.2	14	16
1.5	1.7	170	6.1	0.27	4.5	15	17
	2.0	200	6.4	0.29	4.8	14	16
	2.5	250	6.4	0.32	5.4	16	18
	3.0	300	6.7	0.36	6.0	16	18
	3.5	350	6.7	0.39	6.4	17	20
	3.8	380	7.0	0.40	6.7	16	19
2.0	1.7	170	7.0	0.34	5.6	14	16
	2.0	200	7.3	0.37	6.2	14	16
	2.5	250	7.3	0.42	7.1	16	18
	3.0	300	7.6	0.48	8.0	17	19
	3.5	350	7.6	0.53	8.8	18	21
	3.8	380	7.9	0.56	9.3	18	20
2.5	1.7	170	7.9	0.46	7.6	15	17
	2.0	200	8.2	0.49	8.1	14	17
	2.5	250	8.2	0.54	9.0	16	18
	3.0	300	8.5	0.59	9.8	16	19
	3.5	350	8.5	0.63	10.5	17	20
	3.8	380	8.8	0.65	10.9	17	19
3.0	1.7	170	8.8	0.51	8.5	13	15
	2.0	200	9.1	0.56	9.3	13	15
	2.5	250	9.1	0.64	10.6	15	18
	3.0	300	9.4	0.72	12.0	16	19
	3.5	350	9.4	0.78	13.1	18	20
	3.8	380	9.8	0.82	13.7	17	20
4.0	1.7	170	9.8	0.80	13.3	17	19
	2.0	200	10.1	0.83	13.8	16	19
	2.5	250	10.1	0.89	14.8	18	20
	3.0	300	10.4	0.94	15.7	17	20
	3.5	350	10.4	0.98	16.3	18	21
	3.8	380	10.7	1.00	16.7	18	20

Note:

All precipitation rates are calculated for 180° operation. For the precipitation rate of a 360° sprinkler, divide by 2.

PGJ NOZZLES



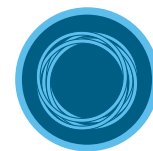
PGJ



Compatible with:



SJ Swing Joints
Page 74



Hunter FlexSG
Page 74

SRM

The SRM is an economical short-range rotor that offers a convenient and efficient alternative to spray heads.

Radius: **4.0 to 10.7 m**
Flow: **0.08 to 1.0 m³/hr; 1.4 to 16.7 l/min**

ROTORS

KEY BENEFITS

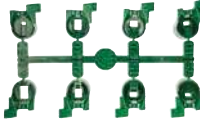
- Adjustable arc from 40° to 360° to keep water in the appropriate areas
- Standard factory-installed 2.0 nozzle speeds installation
- QuickCheck™ Arc Mechanism for fast arc adjustment

OPERATING SPECIFICATIONS

- Nozzle choices: 8
- Radius: 4.0 to 10.7 m
- Flow: 0.08 to 1.0 m³/hr; 1.4 to 16.7 l/min
- Recommended pressure range: 1.7 to 3.8 bar; 170 to 380 kPa
- Operating pressure range: 1.4 to 7.0 bar; 140 to 700 kPa
- Precipitation rate: 11 mm/hr approximately
- Nozzle trajectory: 14° approximately
- Warranty period: 1 year

USER-INSTALLED OPTIONS

- Drain Check Valve (up to 2.1 m of elevation) (P/N 462078SP)

SRM		SRM NOZZLES
Model	Description	
SRM-04	10 cm pop-up, adjustable arc, 8 standard nozzles	

SRM



Compatible with:



SJ Swing Joints
Page 74



Hunter FlexSG
Page 74



SRM-04

Overall height: 17 cm
Pop-up height: 10 cm
Exposed diameter: 3 cm
Inlet size: ½"

SRM-04 PERFORMANCE DATA

Nozzle	Pressure		Radius m	Flow		Precip in/hr	
	bar	kPa		m ³ /hr	l/min		
0.50	1.7	170	4.3	0.08	1.4	9	11
	2.0	200	4.3	0.09	1.6	10	12
	2.5	250	4.6	0.11	1.8	10	12
	3.0	300	4.6	0.12	2.0	12	13
	3.5	350	4.9	0.13	2.2	11	13
	3.8	380	4.9	0.14	2.3	12	14
0.75	1.7	170	4.3	0.13	2.2	14	17
	2.0	200	4.6	0.14	2.4	14	16
	2.5	250	4.9	0.16	2.7	13	15
	3.0	300	5.2	0.18	3.0	13	15
	3.5	350	5.2	0.19	3.2	14	17
	3.8	380	5.5	0.20	3.4	13	15
1.0	1.7	170	5.2	0.18	3.0	13	15
	2.0	200	5.5	0.19	3.2	13	15
	2.5	250	5.5	0.21	3.5	14	16
	3.0	300	5.8	0.23	3.8	14	16
	3.5	350	5.8	0.24	4.1	15	17
	3.8	380	6.1	0.25	4.2	14	16
1.5	1.7	170	6.1	0.27	4.5	15	17
	2.0	200	6.4	0.29	4.8	14	16
	2.5	250	6.4	0.32	5.4	16	18
	3.0	300	6.7	0.36	6.0	16	18
	3.5	350	6.7	0.39	6.4	17	20
	3.8	380	7.0	0.40	6.7	16	19
2.0	1.7	170	7.0	0.34	5.6	14	16
	2.0	200	7.3	0.37	6.2	14	16
	2.5	250	7.3	0.42	7.1	16	18
	3.0	300	7.6	0.48	8.0	17	19
	3.5	350	7.6	0.53	8.8	18	21
	3.8	380	7.9	0.56	9.3	18	20
2.5	1.7	170	7.9	0.46	7.6	15	17
	2.0	200	8.2	0.49	8.1	14	17
	2.5	250	8.2	0.54	9.0	16	18
	3.0	300	8.5	0.59	9.8	16	19
	3.5	350	8.5	0.63	10.5	17	20
	3.8	380	8.8	0.65	10.9	17	19
3.0	1.7	170	8.8	0.51	8.5	13	15
	2.0	200	9.1	0.56	9.3	13	15
	2.5	250	9.1	0.64	10.6	15	18
	3.0	300	9.4	0.72	12.0	16	19
	3.5	350	9.4	0.78	13.1	18	20
	3.8	380	9.8	0.82	13.7	17	20
4.0	1.7	170	9.8	0.80	13.3	17	19
	2.0	200	10.1	0.83	13.8	16	19
	2.5	250	10.1	0.89	14.8	18	20
	3.0	300	10.4	0.94	15.7	17	20
	3.5	350	10.4	0.98	16.3	18	21
	3.8	380	10.7	1.00	16.7	18	20

Note:

All precipitation rates are calculated for 180° operation. For the precipitation rate of a 360° sprinkler, divide by 2.

PGP-ADJ

As Hunter's original rotor, the PGP-ADJ delivers unsurpassed reliability, durability, versatility, and value, keeping it the professional's choice year after year.

Radius: **6.4 to 15.8 m**
Flow: **0.10 to 3.22 m³/hr; 1.7 to 53.7 l/min**

KEY BENEFITS

- Three types of nozzles available for various landscapes: red standard, blue standard, grey low-angle
- Adjustable arc from 40° to 360° to keep water in the appropriate areas
- Factory-installed rubber cover for safety
- Through-the-top arc adjustment for easy installation
- QuickCheck™ Arc Mechanism for fast arc adjustment

OPERATING SPECIFICATIONS

- Nozzle choices: 27
- Radius: 6.4 to 15.8 m
- Flow: 0.10 to 3.22 m³/hr; 1.7 to 53.7 l/min
- Recommended pressure range: 1.7 to 4.5 bar; 170 to 450 kPa
- Operating pressure range: 1.4 to 7.0 bar; 140 to 700 kPa
- Precipitation rate: 10 mm/hr approximately
- Nozzle trajectory: standard = 25°, low-angle = 13°
- Warranty period: 2 years

FACTORY-INSTALLED OPTIONS

- Red 5 to 8 Nozzles, Blue 1.5 to 4.0 Nozzles

USER-INSTALLED OPTIONS

- Drain Check Valve (up to 1 m of elevation) P/N 142300SP



PGP-ADJ

Overall height: 19 cm
Pop-up height: 10 cm
Exposed diameter: 4 cm
Inlet size: 3/4"



PGP-ADJ

Easy arc and radius adjustment

PGP-ADJ - SPECIFICATION BUILDER: ORDER 1 + 2 + 3

1 Model	2 Standard Features	3 Feature Options
PGP-ADJ-B = 10 cm pop-up	Adjustable arc with blue nozzle rack	1.5 to 4.0 = Factory-installed blue nozzle number
PGP-ADJ = 10 cm pop-up	Adjustable arc with red nozzle rack	5 to 8 = Factory-installed red nozzle number

Examples:

- PGP-ADJ = 10 cm pop-up, adjustable arc
- PGP-ADJ-B-3.0 = 10 cm pop-up, adjustable arc, and Blue 3.0 Nozzle
- PGP-ADJ -07 = 10 cm pop-up, adjustable arc, and Red 7 Nozzle

PGP-ADJ Red Nozzle



PGP-ADJ-B BLUE NOZZLE PERFORMANCE DATA

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
1.5 Blue	1.7	170	8.8	0.27	4.5	7	8
	2.0	200	9.1	0.29	4.8	7	8
	2.5	250	9.4	0.32	5.4	7	8
	3.0	300	9.8	0.35	5.9	7	9
	3.5	350	9.8	0.38	6.4	8	9
	4.0	400	9.8	0.41	6.8	9	10
2.0 Blue	1.7	170	10.1	0.32	5.4	6	7
	2.0	200	10.1	0.35	5.8	7	8
	2.5	250	10.1	0.39	6.5	8	9
	3.0	300	10.4	0.43	7.2	8	9
	3.5	350	10.4	0.47	7.8	9	10
	4.0	400	10.4	0.50	8.3	9	11
2.5 Blue	1.7	170	10.1	0.39	6.6	8	9
	2.0	200	10.4	0.43	7.1	8	9
	2.5	250	10.7	0.48	8.0	8	10
	3.0	300	10.7	0.54	8.9	9	11
	3.5	350	10.7	0.58	9.7	10	12
	4.0	400	10.7	0.62	10.4	11	13
3.0 Blue	1.7	170	10.7	0.50	8.4	9	10
	2.0	200	10.7	0.54	9.1	10	11
	2.5	250	11.0	0.61	10.2	10	12
	3.0	300	11.6	0.68	11.4	10	12
	3.5	350	11.9	0.74	12.3	10	12
	4.0	400	11.9	0.79	13.2	11	13
4.0 Blue	1.7	170	11.3	0.68	11.3	11	12
	2.0	200	11.6	0.73	12.2	11	13
	2.5	250	11.9	0.81	13.6	12	13
	3.0	300	12.2	0.90	15.0	12	14
	3.5	350	12.2	0.97	16.2	13	15
	4.0	400	12.5	1.04	17.3	13	15
5.0 Blue	1.7	170	11.3	0.84	14.0	13	15
	2.0	200	11.6	0.91	15.2	14	16
	2.5	250	11.9	1.02	17.1	15	17
	3.0	300	12.8	1.14	19.0	14	16
	3.5	350	12.8	1.24	20.6	15	17
	4.0	400	12.8	1.32	22.1	16	19
6.0 Blue	1.7	170	11.6	1.01	16.8	15	17
	2.0	200	11.9	1.09	18.2	15	18
	2.5	250	12.2	1.22	20.4	16	19
	3.0	300	13.1	1.36	22.7	16	18
	3.5	350	13.1	1.47	24.5	17	20
	4.0	400	13.4	1.57	26.2	18	20
8.0 Blue	1.7	170	11.3	1.35	22.5	21	25
	2.0	200	11.9	1.46	24.3	21	24
	2.5	250	12.5	1.63	27.2	21	24
	3.0	300	13.4	1.81	30.2	20	23
	3.5	350	13.7	1.95	32.6	21	24
	4.0	400	14.0	2.09	34.8	21	25
4.5	450	14.0	2.22	36.9	23	26	

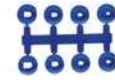
Note:
All precipitation rates are calculated for 180° operation. For the precipitation rate of a 360° sprinkler, divide by 2.

PGP-ADJ GREY LOW-ANGLE NOZZLE PERFORMANCE DATA

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
4 LA Grey	1.7	170	6.4	0.30	4.9	14	17
	2.0	200	6.7	0.32	5.3	14	16
	2.5	250	7.0	0.35	5.9	14	17
	3.0	300	7.3	0.39	6.5	15	17
	3.5	350	7.9	0.42	7.0	13	15
	4.0	400	8.5	0.45	7.5	12	14
5 LA Grey	1.7	170	7.3	0.33	5.6	12	14
	2.0	200	7.6	0.36	6.0	12	14
	2.5	250	7.9	0.40	6.7	13	15
	3.0	300	8.2	0.45	7.4	13	15
	3.5	350	8.5	0.48	8.0	13	15
	4.0	400	8.8	0.52	8.6	13	15
6 LA Grey	1.7	170	8.8	0.44	7.3	11	13
	2.0	200	9.1	0.47	7.9	11	13
	2.5	250	9.4	0.53	8.8	12	14
	3.0	300	9.8	0.59	9.8	12	14
	3.5	350	10.1	0.64	10.6	13	15
	4.0	400	10.7	0.68	11.3	12	14
7 LA Grey	1.7	170	8.5	0.58	9.7	16	18
	2.0	200	8.8	0.62	10.3	16	18
	2.5	250	9.4	0.68	11.4	15	18
	3.0	300	10.1	0.75	12.5	15	17
	3.5	350	10.7	0.80	13.3	14	16
	4.0	400	11.3	0.85	14.1	13	15
8 LA Grey	1.7	170	9.1	0.71	11.8	17	20
	2.0	200	9.4	0.76	12.7	17	20
	2.5	250	9.8	0.84	14.1	18	20
	3.0	300	10.4	0.93	15.5	17	20
	3.5	350	11.3	1.00	16.6	16	18
	4.0	400	11.6	1.06	17.6	16	18
9 LA Grey	1.7	170	9.8	0.89	14.9	19	22
	2.0	200	10.1	0.96	16.0	19	22
	2.5	250	10.7	1.07	17.9	19	22
	3.0	300	11.3	1.19	19.8	19	22
	3.5	350	12.2	1.28	21.3	17	20
	4.0	400	12.8	1.37	22.8	17	19
10 LA Grey	1.7	170	10.1	1.17	19.5	23	27
	2.0	200	10.7	1.26	21.0	22	26
	2.5	250	11.3	1.40	23.4	22	25
	3.0	300	11.6	1.55	25.9	23	27
	3.5	350	12.2	1.67	27.8	22	26
	4.0	400	12.8	1.78	29.7	22	25
4.5	450	12.8	1.89	31.4	23	27	

Note:
All precipitation rates are calculated for 180° operation. For the precipitation rate of a 360° sprinkler, divide by 2.

PGP-ADJ NOZZLES



Blue
(P/N 665300)



Grey
(P/N 233200)



PGP-ADJ RED NOZZLE PERFORMANCE DATA							
Nozzle	Pressure		Radius	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
1 Red	1.7	170	8.2	0.10	1.7	3	3
	2.0	200	8.5	0.11	1.8	3	3
	2.5	250	8.5	0.13	2.1	4	4
	3.0	300	8.8	0.15	2.4	4	4
	3.5	350	8.8	0.16	2.7	4	5
	4.0	400	9.1	0.18	2.9	4	5
2 Red	1.7	170	8.5	0.14	2.4	4	5
	2.0	200	8.8	0.16	2.6	4	5
	2.5	250	8.8	0.17	2.9	4	5
	3.0	300	9.1	0.19	3.2	5	5
	3.5	350	9.1	0.21	3.5	5	6
	4.0	400	9.4	0.22	3.7	5	6
3 Red	1.7	170	8.8	0.18	3.0	5	5
	2.0	200	9.1	0.20	3.3	5	5
	2.5	250	9.1	0.22	3.7	5	6
	3.0	300	9.4	0.25	4.1	6	6
	3.5	350	9.4	0.27	4.5	6	7
	4.0	400	9.8	0.29	4.8	6	7
4 Red	1.7	170	9.4	0.24	4.1	5	6
	2.0	200	9.8	0.27	4.4	6	6
	2.5	250	9.8	0.30	5.0	6	7
	3.0	300	10.1	0.34	5.6	7	8
	3.5	350	10.1	0.37	6.2	7	8
	4.0	400	10.4	0.40	6.6	7	9
5 Red	1.7	170	10.1	0.33	5.5	7	8
	2.0	200	10.4	0.36	5.9	7	8
	2.5	250	10.4	0.39	6.5	7	8
	3.0	300	11.0	0.43	7.2	7	8
	3.5	350	11.6	0.46	7.7	7	8
	4.0	400	11.6	0.49	8.1	7	8
6 Red	1.7	170	10.1	0.42	6.9	8	10
	2.0	200	10.4	0.45	7.5	8	10
	2.5	250	10.7	0.51	8.5	9	10
	3.0	300	11.0	0.57	9.4	9	11
	3.5	350	11.6	0.61	10.2	9	11
	4.0	400	11.6	0.66	10.9	10	11
7 Red	1.7	170	10.1	0.54	9.0	11	12
	2.0	200	10.4	0.58	9.7	11	12
	2.5	250	11.0	0.65	10.8	11	12
	3.0	300	11.6	0.72	12.0	11	12
	3.5	350	12.2	0.78	12.9	10	12
	4.0	400	12.2	0.83	13.8	11	13
4.5	450	12.2	0.88	14.6	12	14	

PGP-ADJ RED NOZZLE PERFORMANCE DATA							
Nozzle	Pressure		Radius	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
8 Red	1.7	170	11.0	0.66	11.0	11	13
	2.0	200	11.3	0.71	11.8	11	13
	2.5	250	11.6	0.79	13.2	12	14
	3.0	300	11.9	0.87	14.5	12	14
	3.5	350	12.5	0.94	15.6	12	14
	4.0	400	12.5	1.00	16.6	13	15
9 Red	1.7	170	11.3	0.73	12.2	11	13
	2.0	200	11.6	0.80	13.4	12	14
	2.5	250	11.6	0.92	15.4	14	16
	3.0	300	12.5	1.05	17.5	13	16
	3.5	350	13.4	1.15	19.2	13	15
	4.0	400	13.4	1.25	20.9	14	16
10 Red	1.7	170	11.3	1.05	17.6	13	15
	2.0	200	12.2	1.14	19.0	15	18
	2.5	250	12.8	1.29	21.4	16	18
	3.0	300	13.4	1.44	24.0	16	18
	3.5	350	14.0	1.56	26.1	16	18
	4.0	400	14.3	1.68	28.0	16	19
11 Red	4.5	450	14.3	1.79	29.9	17	20
	5.0	500	14.6	1.90	31.7	18	21
	2.0	200	12.8	1.55	25.9	19	22
	2.5	250	13.7	1.73	28.7	18	21
	3.0	300	14.0	1.90	31.7	19	22
	3.5	350	14.6	2.05	34.1	19	22
12 Red	4.0	400	14.9	2.18	36.3	20	23
	4.5	450	15.2	2.30	38.4	20	23
	5.0	500	15.5	2.42	40.4	20	23
	2.0	200	12.8	2.03	33.8	25	29
	2.5	250	13.4	2.26	37.7	25	29
	3.0	300	14.3	2.51	41.8	24	28
3.5	350	14.6	2.70	45.0	25	29	
	4.0	400	14.9	2.88	48.1	26	30
	4.5	450	15.2	3.06	50.9	26	30
	5.0	500	15.8	3.22	53.7	26	30

Note:

All precipitation rates are calculated for 180° operation. For the precipitation rate of a 360° sprinkler, divide by 2.

PGP-ADJ NOZZLES



Red
(P/N 130900)



PGP™ ULTRA

Radius: **4.9 to 14.0 m**
Flow: **0.07 to 3.23 m³/hr; 1.2 to 53.8 l/min**

The PGP Ultra raises the bar for rotor technology with powerful features developed over three decades of research, customer feedback, and lab testing.

KEY BENEFITS

- Patented automatic arc return feature returns the turret back to the original arc pattern if vandalised; adjustable arc from 50° to 360°
- Non-strippable drive mechanism is protected from damage if turned in the opposite direction of travel
- Part- and full-circle in one model for flexibility across landscapes and reduced inventory
- Headed and slotted setscrew allows radius adjustment with a Hunter Wrench or flat-blade screwdriver
- Flat-top nozzles allow fast, easy insertion
- QuickCheck™ Arc Mechanism for fast arc adjustment

OPERATING SPECIFICATIONS

- Nozzle choices: 34
- Radius: 4.9 to 14.0 m
- Flow: 0.07 to 3.23 m³/hr; 1.2 to 53.8 l/min
- Recommended pressure range: 1.7 to 4.5 bar; 170 to 450 kPa
- Operating pressure range: 1.4 to 7.0 bar; 140 to 700 kPa
- Precipitation rate: 10 mm/hr approximately
- Nozzle trajectory: standard = 25°, low-angle = 13°
- Nozzle racks: Blue 1.5 to 8.0, Grey Low-Angle 2.0 to 4.5, Black 0.50 to 3.0, Green 6.0 to 13.0, MPR-25, MPR-30, MPR-35
- Warranty period: 5 years

FACTORY-INSTALLED OPTIONS

- Drain Check Valve (up to 3 m of elevation)
- Reclaimed water ID
- Blue 1.5-4.0 Nozzles

USER-INSTALLED OPTIONS

- Drain Check Valve (up to 1 m of elevation) PGP-04 only (P/N 142300SP)
- HSJ-0 prefabricated ¾" PVC Swing Joint



PGP Ultra Reclaimed

Available as a factory-installed option on all models



PGP Ultra

Easy arc and radius adjustment



PGP-00

Overall height: 19 cm
Exposed diameter: 4.5 cm
Inlet size: ¾"



PGP-04

Overall height: 19 cm
Pop-up height: 10 cm
Exposed diameter: 4.5 cm
Inlet size: ¾"



PGP-06

Overall height: 25 cm
Pop-up height: 15 cm
Exposed diameter: 4.5 cm
Inlet size: ¾"



PGP-12

Overall height: 43 cm
Pop-up height: 30 cm
Exposed diameter: 4.5 cm
Inlet size: ¾"

PGP-ULTRA - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Standard Features	3 Feature Options	4 Nozzle Options
PGP-00 = Shrub PGP-04 = 10 cm pop-up PGP-06 = 15 cm pop-up PGP-12 = 30 cm pop-up	Adjustable arc, plastic riser, 8 standard nozzles, and 4 low-angle nozzles	CV = Drain Check Valve CV-R = Drain Check Valve and reclaimed water ID	Blue 1.5-8.0 Grey low-angle Black short-radius Green high-flow MPR-25-Q, T, H, F MPR-30-Q, T, H, F MPR-35-Q, T, H, F 1.5 to 4.0 = Only nozzles 1.5-4.0 can be factory-installed

Examples:

PGP-04 = 10 cm pop-up, adjustable arc

PGP-04-2.5 = 10 cm pop-up, adjustable arc and 2.5 nozzle

PGP-12-CV-R-4.0 = 30 cm pop-up, adjustable arc, with Drain Check Valve and reclaimed water ID with 4.0 nozzle

I-20

Radius: **4.9 to 14.0 m**
Flow: **0.07 to 3.23 m³/hr; 1.2 to 53.8 l/min**

The I-20 is loaded with upgraded features such as FloStop™ Technology, check valves, and efficient nozzles that make it the perfect choice in a range of applications.

KEY BENEFITS

- Patented automatic arc return feature returns the turret back to the original arc pattern if vandalised; adjustable arc from 50° to 360°
- Non-strippable drive mechanism is protected from damage if turned in the opposite direction of travel
- Part and full-circle in one model is flexible for all landscapes and decreases inventory
- Headed and slotted setscrew allows radius adjustment with a Hunter Wrench or flat-blade screwdriver
- FloStop Technology stops the flow of water from individual sprinklers to change the nozzle or perform repairs
- Flat-top nozzles allow fast, easy insertion
- Drain Check Valve prevents low-head drainage (up to 3 m of elevation)

OPERATING SPECIFICATIONS

- Nozzle choices: 34
- Radius: 4.9 to 14.0 m
- Flow: 0.07 to 3.23 m³/hr; 1.2 to 53.8 l/min
- Recommended pressure range: 1.7 to 4.5 bar; 170 to 450 kPa
- Operating pressure range: 1.4 to 7.0 bar; 140 to 700 kPa
- Precipitation rate: 10 mm/hr approximately
- Nozzle trajectory: standard = 25°, low-angle = 13°
- Nozzle racks: Blue 1.5 to 8.0, Grey Low-Angle 2.0 to 4.5, Black 0.50 to 3.0, Green 6.0 to 13.0, MPR-25, MPR-30, MPR-35
- Warranty period: 5 years

FACTORY-INSTALLED OPTIONS

- No Drain Check Valve (NCV models)
- Reclaimed water ID
- Blue 1.5 to 4.0 Nozzles



I-20 Reclaimed

Available as a factory-installed option on all models

USER-INSTALLED OPTIONS

- HSJ-0 prefabricated ¾" PVC Swing Joint

I-20 (PLASTIC) - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Standard Features	3 Feature Options	4 Nozzle Options
I-20-00 = Shrub I-20-04 = 10 cm pop-up I-20-06 = 15 cm pop-up I-20-12 = 30 cm pop-up	Adjustable arc, plastic, check valve, 8 standard nozzles, and 4 low-angle nozzles	(blank) = No option NCV = Without check valve (only available on 10 cm model) R = Reclaimed water ID	Blue 1.5 to 8.0 Grey low-angle Black short-radius Green high-flow MPR-25-Q, T, H, F MPR-30-Q, T, H, F MPR-35-Q, T, H, F 1.5 to 4.0 = Only nozzles 1.5-4.0 can be factory-installed

I-20 (STAINLESS STEEL) - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Standard Features	3 Feature Options	4 Nozzle Options
I-20-04-SS = 10 cm pop-up I-20-06-SS = 15 cm pop-up	Adjustable arc, stainless steel, check valve, 8 standard nozzles, and 4 low-angle nozzles	(blank) = No option NCV = Without check valve (only available on 10 cm model) R = Reclaimed water ID	Blue 1.5 to 8.0 Grey low-angle Black short-radius Green high-flow MPR-25-Q, T, H, F MPR-30-Q, T, H, F MPR-35-Q, T, H, F 1.5 to 4.0 = Only nozzles 1.5-4.0 can be factory-installed

Examples:

I-20-04 = 10 cm pop-up, adjustable arc

I-20-12-R-4.0 = 30 cm pop-up, adjustable arc, check valve, with reclaimed water ID, and 4.0 nozzle

I-20-06-SS-R-3.0 = 15 cm pop-up, adjustable arc, stainless steel riser, with reclaimed water ID, and 3.0 nozzle



I-20-00

Overall height: 20 cm
Exposed diameter: 4.5 cm
Inlet size: ¾"



I-20-04

Overall height: 19 cm
Pop-up height: 10 cm
Exposed diameter: 4.5 cm
Inlet size: ¾"



I-20-06

Overall height: 25 cm
Pop-up height: 15 cm
Exposed diameter: 4.5 cm
Inlet size: ¾"



I-20-12

Overall height: 43 cm
Pop-up height: 30 cm
Exposed diameter: 4.5 cm
Inlet size: ¾"

PGP™ ULTRA & I-20 PRB

Radius: **4.9 to 14.0 m**
Flow: **0.07 to 2.22 m³/hr; 1.2 to 36.0 l/min**

The PGP Ultra and I-20 PRB Rotors are built to thrive in applications where high water pressure could otherwise lead to inefficient nozzle operation.

KEY BENEFITS

- Pressure-regulated body (3.1 bar; 310 kPa) reduces high incoming pressure to increase nozzle efficiency (requires dynamic pressure differential: 1.0 bar; 103 kPa)
- Patented automatic arc return feature returns the turret back to the original arc pattern if vandalised; adjustable arc from 50° to 360°
- Non-strippable drive mechanism is protected from damage if turned in the opposite direction of travel
- Part- and full-circle in one model for flexibility across landscapes and reduced inventory
- Headed and slotted setscrew allows radius adjustment with a Hunter Wrench or flat-blade screwdriver
- FloStop™ Technology stops the flow of water from individual sprinklers, to change the nozzle or perform repairs (I-20 only)
- Flat-top nozzles allow fast, easy insertion
- Drain Check Valve prevents low-head drainage (up to 3 m of elevation)

OPERATING SPECIFICATIONS

- Nozzle choices: 30
- Radius: 4.9 to 14.0 m
- Flow: 0.07 to 2.22 m³/hr; 1.2 to 36.0 l/min
- Nozzle discharge pressure: 3.1 bar; 310 kPa
- Operating pressure range: 4.1 to 7.0 bar; 410 to 700 kPa
- Precipitation rate: 10 mm/hr approximately
- Nozzle trajectory: standard = 25°, low-angle = 13°
- Nozzle racks: Blue 1.5 to 8.0, Grey Low-Angle 2.0 to 4.5, Black 0.50 to 3.0, Green 6.0 to 13.0, MPR-25, MPR-30, MPR-35
- Warranty period: 5 years

FACTORY-INSTALLED OPTIONS

- Reclaimed water ID
- Blue 1.5 to 4.0 Nozzles

USER-INSTALLED OPTIONS

- HSJ-0 prefabricated ¾" PVC Swing Joint



PGP-00-PRB

Overall height: 22 cm
Exposed diameter: 4.5 cm
Inlet size: ¾"

PGP-04-PRB

Overall height: 22 cm
Pop-up height: 10 cm
Exposed diameter: 4.5 cm
Inlet size: ¾"



I-20-00-PRB

Overall height: 22 cm
Exposed diameter: 4.5 cm
Inlet size: ¾"

I-20-04-PRB

Overall height: 22 cm
Pop-up height: 10 cm
Exposed diameter: 4.5 cm
Inlet size: ¾"



I-20-06-PRB

Overall height: 27 cm
Pop-up height: 15 cm
Exposed diameter: 4.5 cm
Inlet size: ¾"

PGP-ULTRA & I-20 PRB – SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Standard Features	3 Feature Options	4 Nozzle Options
PGP-00-PRB = Riser mount PGP-04-PRB = 10 cm pop-up	Adjustable arc, plastic riser, pressure-regulated body, 8 standard nozzles, and 4 low-angle nozzles	(blank) = No option CV = Drain Check Valve (PGP-04 only) CV-R = Drain Check Valve and reclaimed water ID	Blue 1.5 to 8.0 = Grey low-angle Black short-radius MPR-25, 30, 35 - Q, T, H, F
I-20-00-PRB = Riser mount I-20-04-PRB = 10 cm pop-up I-20-06-PRB = 15 cm pop-up	Adjustable arc, plastic riser, pressure-regulated body, 8 standard nozzles, and 4 low-angle nozzles	(blank) = No option R = Drain Check Valve and reclaimed water ID	Blue 1.5 to 8.0 = Grey low-angle Black short-radius MPR-25, 30, 35 - Q, T, H, F
I-20-04-SS-PRB = 10 cm pop-up I-20-06-SS-PRB = 15 cm pop-up	Adjustable arc, stainless steel riser, pressure-regulated body, 8 standard nozzles, and 4 low-angle nozzles	(blank) = No option R = Drain Check Valve and reclaimed water ID	Blue 1.5 to 8.0 = Grey low-angle Black short-radius MPR-25, 30, 35 - Q, T, H, F

Examples:

- PGP-04-PRB = 10 cm pop-up, adjustable arc, plastic riser with no factory installed-nozzle
- I-20-04-PRB-3.0-2.5 = 10 cm pop-up, adjustable arc, plastic riser with 3.0 nozzle
- I-20-06-SS-PRB-R-MPR-25H = 15 cm pop-up, adjustable arc, stainless steel riser with MPR-25H

PGP ULTRA / I-20 / PRB BLUE STANDARD NOZZLE PERFORMANCE DATA

Nozzle	Pressure		Radius	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
1.5 Blue	1.7	170	8.8	0.27	4.5	7	8
	2.0	200	9.1	0.29	4.8	7	8
	2.5	250	9.4	0.32	5.4	7	8
	3.0	300	9.8	0.35	5.9	7	9
	3.5	350	9.8	0.38	6.4	8	9
	4.0	400	9.8	0.41	6.8	9	10
2.0 Blue	1.7	170	10.1	0.32	5.4	6	7
	2.0	200	10.1	0.35	5.8	7	8
	2.5	250	10.1	0.39	6.5	8	9
	3.0	300	10.4	0.43	7.2	8	9
	3.5	350	10.4	0.47	7.8	9	10
	4.0	400	10.4	0.50	8.3	9	11
2.5 Blue	1.7	170	10.1	0.39	6.6	8	9
	2.0	200	10.4	0.43	7.1	8	9
	2.5	250	10.7	0.48	8.0	8	10
	3.0	300	10.7	0.54	8.9	9	11
	3.5	350	10.7	0.58	9.7	10	12
	4.0	400	10.7	0.62	10.4	11	13
3.0 Blue	1.7	170	10.7	0.50	8.4	9	10
	2.0	200	10.7	0.54	9.1	10	11
	2.5	250	11.0	0.61	10.2	10	12
	3.0	300	11.6	0.68	11.4	10	12
	3.5	350	11.9	0.74	12.3	10	12
	4.0	400	11.9	0.79	13.2	11	13
4.0 Blue	1.7	170	11.3	0.68	11.3	11	12
	2.0	200	11.6	0.73	12.2	11	13
	2.5	250	11.9	0.81	13.6	12	13
	3.0	300	12.2	0.90	15.0	12	14
	3.5	350	12.2	0.97	16.2	13	15
	4.0	400	12.5	1.04	17.3	13	15
5.0 Blue	1.7	170	11.3	0.84	14.0	13	15
	2.0	200	11.6	0.91	15.2	14	16
	2.5	250	11.9	1.02	17.1	15	17
	3.0	300	12.8	1.14	19.0	14	16
	3.5	350	12.8	1.24	20.6	15	17
	4.0	400	12.8	1.32	22.1	16	19
6.0 Blue	1.7	170	11.6	1.01	16.8	15	17
	2.0	200	11.9	1.09	18.2	15	18
	2.5	250	12.2	1.22	20.4	16	19
	3.0	300	13.1	1.36	22.7	16	18
	3.5	350	13.1	1.47	24.5	17	20
	4.0	400	13.4	1.57	26.2	18	20
8.0 Blue	1.7	170	11.3	1.35	22.5	21	25
	2.0	200	11.9	1.46	24.3	21	24
	2.5	250	12.5	1.63	27.2	21	24
	3.0	300	13.4	1.81	30.2	20	23
	3.5	350	13.7	1.95	32.6	21	24
	4.0	400	14.0	2.09	34.8	21	25
4.5	450	14.0	2.22	36.9	23	26	

Note:
All precipitation rates are calculated for 180° operation. For the precipitation rate of a 360° sprinkler, divide by 2.

PGP ULTRA / I-20 / PRB GREY LOW-ANGLE NOZZLE PERFORMANCE DATA

Nozzle	Pressure		Radius	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
2.0 LA Grey	1.7	170	7.3	0.33	5.6	12	14
	2.0	200	7.6	0.36	6.0	12	14
	2.5	250	7.9	0.40	6.7	13	15
	3.0	300	8.2	0.45	7.4	13	15
	3.5	350	8.5	0.48	8.0	13	15
	4.0	400	8.8	0.52	8.6	13	15
2.5 LA Grey	1.7	170	7.9	0.44	7.3	14	16
	2.0	200	8.2	0.47	7.9	14	16
	2.5	250	8.8	0.53	8.8	14	16
	3.0	300	9.4	0.59	9.8	13	15
	3.5	350	10.1	0.64	10.6	13	15
	4.0	400	10.4	0.68	11.3	13	15
3.5 LA Grey	1.7	170	8.5	0.58	9.7	16	18
	2.0	200	8.8	0.62	10.3	16	18
	2.5	250	9.1	0.68	11.4	16	19
	3.0	300	10.1	0.75	12.5	15	17
	3.5	350	10.7	0.80	13.3	14	16
	4.0	400	11.0	0.85	14.1	14	16
4.5 LA Grey	1.7	170	8.2	0.71	11.8	21	24
	2.0	200	8.8	0.76	12.7	19	23
	2.5	250	9.1	0.84	14.1	20	23
	3.0	300	10.1	0.93	15.5	18	21
	3.5	350	10.7	1.00	16.6	18	20
	4.0	400	11.0	1.06	17.6	18	20
4.5	450	11.3	1.12	18.6	18	20	

PGP ULTRA / I-20 / PRB NOZZLES



Blue Standard / Grey Low-Angle (P/N 782900)

Flat-top nozzle for easy insertion coupled with a headed slotted adjustment screw for quick radius adjustment with a Hunter Wrench or a flat-blade screwdriver.



Pressure Regulation
Continual operating pressure of 3.1 bar; 310 kPa

I-20-04 Rotor with PRB Body



PR-075
Overall height: 5.7 cm
Inlet/outlet size: 3/4"
For use with all 3/4" inlet sprinklers models, regulates to 3.1 bar; 310 kPa

**PGP ULTRA / I-20 GREEN HIGH-FLOW
NOZZLE PERFORMANCE DATA**

Nozzle	Pressure		Radius		Flow		Precip mm/hr	
	bar	kPa	m	m ³ /hr	l/min	■	▲	
10 Dk. Green	1.7	170	10.7	1.48	24.6	26	30	
	2.0	200	11.9	1.60	26.7	23	26	
	2.5	250	12.5	1.80	30.0	23	27	
	3.0	300	12.8	2.01	33.5	25	28	
	3.5	350	13.1	2.18	36.3	25	29	
	4.0	400	13.7	2.34	39.0	25	29	
13 Dk. Green	1.7	170	11.0	1.91	31.9	32	37	
	2.0	200	12.2	2.08	34.6	28	32	
	2.5	250	12.8	2.34	38.9	29	33	
	3.0	300	13.1	2.61	43.4	30	35	
	3.5	350	13.4	2.83	47.1	31	36	
	4.0	400	13.7	3.03	50.5	32	37	
6.0 LA Dk. Green	1.7	170	9.1	0.86	14.3	21	24	
	2.0	200	9.4	0.94	15.6	21	24	
	2.5	250	10.1	1.07	17.8	21	24	
	3.0	300	10.7	1.20	20.0	21	24	
	3.5	350	11.3	1.31	21.9	21	24	
	4.0	400	11.6	1.42	23.6	21	24	
8.0 LA Dk. Green	1.7	170	10.1	1.17	19.5	23	27	
	2.0	200	10.7	1.28	21.3	22	26	
	2.5	250	11.3	1.44	24.0	23	26	
	3.0	300	11.6	1.61	26.9	24	28	
	3.5	350	11.9	1.76	29.3	25	29	
	4.0	400	12.5	1.89	31.5	24	28	
4.5	450	12.5	2.01	33.6	26	30		

I-20 Rotor with Blue Standard Nozzle



Convenient Nozzle Rack



**PGP ULTRA / I-20 / PRB BLACK SHORT-RADIUS
NOZZLE PERFORMANCE DATA**

Nozzle	Pressure		Radius		Flow		Precip mm/hr	
	bar	kPa	m	m ³ /hr	l/min	■	▲	
0.50 SR Black	1.7	170	4.9	0.07	1.2	6	7	
	2.0	200	5.2	0.08	1.3	6	7	
	2.5	250	5.2	0.09	1.5	7	8	
	3.0	300	5.2	0.10	1.7	8	9	
	3.5	350	5.5	0.12	1.9	8	9	
	4.0	400	5.5	0.13	2.1	8	10	
1.0 SR Black	1.7	170	4.9	0.16	2.7	14	16	
	2.0	200	5.2	0.17	2.9	13	15	
	2.5	250	5.2	0.19	3.2	14	17	
	3.0	300	5.2	0.21	3.6	16	18	
	3.5	350	5.5	0.23	3.8	15	18	
	4.0	400	5.5	0.25	4.1	16	19	
2.0 SR Black	1.7	170	4.9	0.28	4.7	24	27	
	2.0	200	5.2	0.31	5.2	23	27	
	2.5	250	5.2	0.36	6.0	27	31	
	3.0	300	5.2	0.41	6.9	31	35	
	3.5	350	5.5	0.45	7.6	30	35	
	4.0	400	5.5	0.49	8.2	33	38	
0.75 SR Black	1.7	170	6.7	0.12	2.0	5	6	
	2.0	200	7.0	0.13	2.2	5	6	
	2.5	250	7.0	0.15	2.4	6	7	
	3.0	300	7.3	0.16	2.7	6	7	
	3.5	350	7.6	0.17	2.9	6	7	
	4.0	400	7.6	0.19	3.1	6	7	
1.5 SR Black	1.7	170	6.7	0.23	3.8	10	12	
	2.0	200	7.0	0.25	4.1	10	12	
	2.5	250	7.0	0.28	4.6	11	13	
	3.0	300	7.3	0.31	5.2	12	13	
	3.5	350	7.6	0.34	5.6	12	13	
	4.0	400	7.6	0.36	6.0	12	14	
3.0 SR Black	1.7	170	6.7	0.53	8.9	24	27	
	2.0	200	7.0	0.56	9.3	23	26	
	2.5	250	7.0	0.60	10.0	24	28	
	3.0	300	7.3	0.64	10.7	24	28	
	3.5	350	7.6	0.67	11.2	23	27	
	4.0	400	7.6	0.70	11.7	24	28	
4.5	450	7.6	0.73	12.1	25	29		

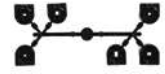
Note:

All precipitation rates are calculated for 180° operation. For the precipitation rate of a 360° sprinkler, divide by 2.

**PGP ULTRA / I-20 /
PRB NOZZLES**







Dk. Green High-Flow (P/N 444800)







Black Short-Radius (P/N 466100)







PGP ULTRA / I-20 / PRB MPR-25 NOZZLE PERFORMANCE DATA							
Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
90° 	1.7	170	7.0	0.17	3.0	13.7	15.8
	2.4	240	7.3	0.20	3.6	14.9	17.3
	3.1	310	7.6	0.23	3.6	15.6	18.1
	3.8	380	7.6	0.25	4.2	17.4	20.1
	4.5	450	7.6	0.27	4.8	18.9	21.9
120° 	1.7	170	7.0	0.23	3.6	13.9	16.0
	2.4	240	7.3	0.27	4.8	15.4	17.8
	3.1	310	7.6	0.31	5.4	16.2	18.7
	3.8	380	7.6	0.35	6.0	18.0	20.7
	4.5	450	7.6	0.38	6.6	19.6	22.6
180° 	1.7	170	7.0	0.33	5.4	13.3	15.4
	2.4	240	7.3	0.39	6.6	14.7	17.0
	3.1	310	7.6	0.45	7.2	15.5	17.9
	3.8	380	7.6	0.50	8.4	17.3	20.0
	4.5	450	7.6	0.55	9.0	18.9	21.8
360° 	1.7	170	7.0	0.63	10.8	12.8	14.8
	2.4	240	7.3	0.76	12.6	14.2	16.4
	3.1	310	7.6	0.87	14.4	14.9	17.3
	3.8	380	7.6	0.97	16.2	16.6	19.2
	4.5	450	7.6	1.05	17.4	18.1	20.9



PGP ULTRA / I-20 / PRB MPR-35 NOZZLE PERFORMANCE DATA							
Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
90° 	1.7	170	9.8	0.32	5.4	13.4	15.4
	2.4	240	10.4	0.38	6.6	14.1	16.3
	3.1	310	10.7	0.44	7.2	15.3	17.7
	3.8	380	10.7	0.48	7.8	17.0	19.6
	4.5	450	10.7	0.52	9.0	18.4	21.3
120° 	1.7	170	9.8	0.40	6.6	12.7	14.6
	2.4	240	10.4	0.49	8.4	13.6	15.8
	3.1	310	10.7	0.56	9.6	14.7	17.0
	3.8	380	10.7	0.62	10.2	16.4	18.9
	4.5	450	10.7	0.68	11.4	17.9	20.7
180° 	1.7	170	9.8	0.62	10.2	13.1	15.2
	2.4	240	10.4	0.76	12.6	14.1	16.3
	3.1	310	10.7	0.87	14.4	15.2	17.6
	3.8	380	10.7	0.96	16.2	16.2	19.5
	4.5	450	10.7	1.05	17.4	18.4	21.3
360° 	1.7	170	9.8	1.22	20.4	12.8	14.8
	2.4	240	10.4	1.50	25.2	14.0	16.2
	3.1	310	10.7	1.72	28.8	15.1	17.5
	3.8	380	10.7	1.91	31.8	16.8	19.4
	4.5	450	10.7	2.09	34.8	18.3	21.2



PGP ULTRA / I-20 / PRB MPR-30 NOZZLE PERFORMANCE DATA							
Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
90° 	1.7	170	8.8	0.23	3.6	12.0	13.8
	2.4	240	9.1	0.28	4.8	13.4	15.4
	3.1	310	9.1	0.32	5.4	15.2	17.6
	3.8	380	9.1	0.35	6.0	17.0	19.6
	4.5	450	9.1	0.38	6.6	18.4	21.2
120° 	1.7	170	8.8	0.30	4.8	11.7	13.5
	2.4	240	9.1	0.37	6.0	13.2	15.2
	3.1	310	9.1	0.42	7.2	15.1	17.4
	3.8	380	9.1	0.47	7.8	16.8	19.4
	4.5	450	9.1	0.51	8.4	18.3	21.1
180° 	1.7	170	8.8	0.49	8.4	12.5	14.4
	2.4	240	9.1	0.59	9.6	14.1	16.2
	3.1	310	9.1	0.67	11.4	16.1	18.6
	3.8	380	9.1	0.75	12.6	17.9	20.7
	4.5	450	9.1	0.82	13.8	19.6	22.6
360° 	1.7	170	8.8	0.96	16.2	12.3	14.2
	2.4	240	9.1	1.15	19.2	13.8	15.9
	3.1	310	9.1	1.31	21.6	15.7	18.1
	3.8	380	9.1	1.45	24.0	17.4	20.0
	4.5	450	9.1	1.57	26.4	18.8	21.7



PGP-04 Ultra Rotor with MPR-30 Nozzle



I-25

Radius: **11.9 to 21.6 m**
Flow: **0.82 to 7.24 m³/hr; 13.6 to 120.2 l/min**

The reliable, durable, and versatile I-25 Rotor offers an expansive nozzle selection that makes it the perfect choice for large turf applications.

KEY BENEFITS

- Patented automatic arc return feature returns the turret back to the original arc pattern if vandalised; adjustable arc from 50° to 360°
- Non-strippable drive mechanism is protected from damage if turned in the opposite direction of travel
- Part- and full-circle in one model for flexibility across landscapes and reduced inventory
- Colour-coded nozzles make identification easy
- Drain Check Valve prevents low-head drainage (up to 3 m of elevation)

OPERATING SPECIFICATIONS

- Nozzle choices: 11
- Radius: 11.9 to 21.6 m
- Flow: 0.82 to 7.24 m³/hr; 13.6 to 120.2 l/min
- Recommended pressure range: 2.5 to 7.0 bar; 250 to 700 kPa
- Warranty period: 5 years
- Operating pressure range: 2.5 to 7.0 bar; 250 to 700 kPa
- Precipitation rate: 15 mm/hr approximately
- Nozzle trajectory: standard = 25°

FACTORY-INSTALLED OPTIONS

- Reclaimed water ID
- High-speed rotation

USER-INSTALLED OPTIONS

- HSJ-1 prefabricated 1" (25 mm) PVC Swing Joint



I-25-04

Overall height: 20 cm
Pop-up height: 10 cm
Exposed diameter: 5 cm
Inlet size: 1" (25 mm) BSP



I-25-06

Overall height: 26 cm
Pop-up height: 15 cm
Exposed diameter: 5 cm
Inlet size: 1" (25 mm) BSP



I-25 Reclaimed

Available as a factory-installed option on all models



I-25 High-Speed

Available as a factory-installed option on all stainless steel models

I-25 (PLASTIC) - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Standard Features	3 Feature Options	4 Nozzle Options
I-25-04 = 10 cm pop-up I-25-06 = 15 cm pop-up	Adjustable arc, plastic riser, check valve, and 5 nozzles	B = BSP inlet threads R = Reclaimed water ID	4 to 28 = Factory-installed nozzle number

I-25 (STAINLESS STEEL) - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Standard Features	3 Feature Options	4 Nozzle Options
I-25-04-SS = 10 cm pop-up I-25-06-SS = 15 cm pop-up	Adjustable arc, stainless steel riser, check valve, and 5 nozzles	B = BSP inlet threads R = Reclaimed water ID HS = High-speed HS-R = High-speed and reclaimed water ID	4 to 28 = Factory-installed nozzle number

Examples:

I-25-04-B = 10 cm pop-up, adjustable arc, BSP inlet threads

I-25-04-SS-R-B-18 = 10 cm pop-up, adjustable arc, stainless steel riser, reclaimed water ID, and 18 nozzle, BSP inlet threads

I-25-06-SS-B = 15 cm pop-up, adjustable arc, stainless steel riser, BSP inlet threads

I-25 STANDARD NOZZLE PERFORMANCE DATA

Nozzle	Pressure		Radius m	Flow		Precip mm/hr		Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲		bar	kPa		m ³ /hr	l/min	■	▲
4 ● Yellow	2.5	250	11.9	0.82	13.6	12	13	15 ● Grey*	3.0	300	16.8	2.86	47.7	20	24
	3.0	300	12.2	0.91	15.2	12	14		3.5	350	17.1	3.05	50.8	21	24
	3.5	350	12.5	0.98	16.4	13	15		4.0	400	17.4	3.22	53.7	21	25
	4.0	400	12.5	1.05	17.5	13	16		4.5	450	17.4	3.38	56.3	22	26
	4.5	450	12.8	1.11	18.6	14	16		5.0	500	17.4	3.53	58.8	23	27
	5.0	500	13.1	1.18	19.6	14	16		5.5	550	17.7	3.69	61.5	24	27
7 ● Orange*	5.5	550	13.4	1.24	20.7	14	16	6.0	600	18.0	3.82	63.7	24	27	
	2.5	250	13.4	1.44	24.0	16	19	6.2	620	18.3	3.88	64.6	23	27	
	3.0	300	14.0	1.54	25.6	16	18	18 ● Red	3.0	300	17.4	30.8	51.4	20	24
	3.5	350	14.3	1.61	26.9	16	18		3.5	350	17.7	3.31	55.2	21	24
	4.0	400	14.3	1.68	28.0	16	19		4.0	400	18.0	3.52	58.7	22	25
	4.5	450	14.6	1.75	29.1	16	19		4.5	450	18.3	3.72	62.0	22	26
5.0	500	14.9	1.81	30.1	16	19	5.0		500	18.9	3.91	65.2	22	25	
5.5	550	15.2	1.87	31.1	16	19	5.5		550	19.2	4.11	68.5	22	26	
8 ● Lt. Brown	6.0	600	19.5	4.28	71.4	23	26	6.0	600	19.5	4.35	72.5	23	26	
	2.5	250	14.0	1.65	27.5	17	19	20 ● Dk. Brown*	3.5	350	18.0	3.72	62.1	23	27
	3.0	300	14.3	1.81	30.1	18	20		4.0	400	18.6	3.97	66.2	23	27
	3.5	350	14.9	1.94	32.3	17	20		4.5	450	18.9	4.20	70.1	24	27
	4.0	400	15.2	2.05	34.2	18	20		5.0	500	19.2	4.42	73.7	24	28
	4.5	450	15.2	2.16	36.0	19	22		5.5	550	19.5	4.66	77.7	25	28
5.0	500	15.5	2.27	37.8	19	22	6.0		600	19.8	4.86	81.0	25	29	
10 ● Lt. Green*	5.5	550	15.8	2.38	39.6	19	22	6.5	650	20.1	5.05	84.2	25	29	
	3.0	300	15.2	2.15	35.8	18	21	6.9	690	20.4	5.21	86.8	25	29	
	3.5	350	15.5	2.32	38.6	19	22	23 ● Dk. Green	3.5	350	18.6	4.56	76.0	26	30
	4.0	400	15.8	2.48	41.3	20	23		4.0	400	19.2	4.88	81.3	26	31
	4.5	450	16.2	2.63	43.9	20	23		4.5	450	19.5	5.18	86.3	27	31
	5.0	500	16.2	2.78	46.3	21	25		5.0	500	19.8	5.47	91.1	28	32
5.5	550	16.5	2.94	48.9	22	25	5.5		550	20.1	5.78	96.3	29	33	
6.0	600	16.8	3.07	51.1	22	25	6.0		600	20.1	6.04	100.6	30	34	
13 ● Lt. Blue	6.5	650	20.4	5.21	86.8	25	29	6.5	650	20.4	6.29	104.8	30	35	
	3.0	300	15.8	2.38	39.6	19	22	6.9	690	20.7	6.50	108.3	30	35	
	3.5	350	16.2	2.57	42.8	20	23	25 ● Dk. Blue*	3.5	350	19.2	4.86	80.9	26	30
	4.0	400	16.5	2.75	45.7	20	23		4.0	400	19.8	5.23	87.1	27	31
	4.5	450	16.5	2.91	48.5	21	25		4.5	450	20.1	5.58	93.1	28	32
	5.0	500	16.8	3.04	51.2	22	25		5.0	500	20.4	5.92	98.7	28	33
5.5	550	16.8	3.24	54.0	23	27	5.5		550	21.0	6.29	104.9	28	33	
6.0	600	17.1	3.39	56.4	23	27	6.0		600	21.0	6.60	110.0	30	34	
15 ● Grey*	6.5	650	21.3	6.90	115.1	30	35	6.5	650	21.3	6.90	115.1	30	35	
	6.9	690	21.6	7.15	119.2	31	35	6.9	690	21.6	7.15	119.2	31	35	
	3.5	350	18.3	5.31	88.5	32	37	28 ● Black	3.5	350	18.3	5.31	88.5	32	37
	4.0	400	19.2	5.63	93.8	31	35		4.0	400	19.2	5.63	93.8	31	35
	4.5	450	20.1	5.93	98.8	29	34		4.5	450	20.1	5.93	98.8	29	34
	5.0	500	20.7	6.21	103.5	29	33		5.0	500	20.7	6.21	103.5	29	33
5.5	550	21.3	6.52	108.6	29	33	5.5		550	21.3	6.52	108.6	29	33	
6.0	600	21.3	6.77	112.8	30	34	6.0		600	21.3	6.77	112.8	30	34	
6.5	650	21.6	7.01	116.9	30	35	6.5	650	21.6	7.01	116.9	30	35		
6.9	690	21.6	7.21	120.2	31	36	6.9	690	21.6	7.21	120.2	31	36		

I-25 NOZZLE



Standard



* Five standard nozzles included with each sprinkler.
Note:
 All precipitation rates are calculated for 180° operation. For the precipitation rate of a 360° sprinkler, divide by 2.

I-25 HIGH-SPEED NOZZLE PERFORMANCE DATA

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
04 ● Yellow	2.5	250	11.0	0.81	13.6	14	16
	3.0	300	11.3	0.91	15.1	14	16
	3.5	350	11.6	0.99	16.4	15	17
	4.0	400	11.6	1.06	17.6	16	18
	4.5	450	11.6	1.13	18.8	17	19
	5.0	500	11.9	1.19	19.9	17	19
07 ● Orange*	2.5	250	11.9	1.32	22.0	19	22
	3.0	300	12.2	1.46	24.3	20	23
	3.5	350	12.5	1.57	26.2	20	23
	4.0	400	12.8	1.68	27.9	20	24
	4.5	450	13.1	1.78	29.6	21	24
	5.0	500	13.4	1.87	31.1	21	24
08 ● Lt. Brown	2.5	250	12.5	1.54	25.7	20	23
	3.0	300	12.8	1.72	28.6	21	24
	3.5	350	13.1	1.86	31.0	22	25
	4.0	400	13.4	2.00	33.3	22	26
	4.5	450	13.4	2.13	35.4	24	27
	5.0	500	13.7	2.25	37.5	24	28
10 ● Lt. Green*	3.0	300	13.7	2.15	35.8	23	26
	3.5	350	14.0	2.32	38.6	24	27
	4.0	400	14.3	2.48	41.3	24	28
	4.5	450	14.6	2.63	43.9	25	28
	5.0	500	14.9	2.78	46.3	25	29
	5.5	550	15.2	2.94	48.9	25	29
13 ● Lt. Blue	3.0	300	14.3	2.38	39.6	23	27
	3.5	350	14.6	2.57	42.8	24	28
	4.0	400	14.9	2.75	45.7	25	28
	4.5	450	15.2	2.91	48.5	25	29
	5.0	500	15.5	3.07	51.2	25	29
	5.5	550	15.5	3.24	54.0	27	31

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
15 ● Grey*	3.0	300	14.6	2.86	47.7	27	31
	3.5	350	14.9	3.05	50.8	27	32
	4.0	400	15.2	3.22	53.7	28	32
	4.5	450	15.5	3.38	56.3	28	32
	5.0	500	16.2	3.53	58.8	27	31
	5.5	550	16.5	3.69	61.5	27	31
	6.0	600	16.5	3.82	63.7	28	33
	6.2	620	16.5	3.88	64.6	29	33
18 ● Red	3.0	300	14.9	3.08	51.4	28	32
	3.5	350	15.2	3.31	55.2	29	33
	4.0	400	15.5	3.52	58.7	29	34
	4.5	450	16.2	3.72	62.0	29	33
	5.0	500	16.8	3.91	65.2	28	32
	5.5	550	17.4	4.11	68.5	27	31
	6.0	600	17.4	4.28	71.4	28	33
	6.2	620	17.4	4.35	72.5	29	33
20 ● Dk. Brown*	3.5	350	15.5	3.72	62.1	31	36
	4.0	400	16.2	3.97	66.2	30	35
	4.5	450	16.5	4.20	70.1	31	36
	5.0	500	17.1	4.42	73.7	30	35
	5.5	550	17.7	4.66	77.7	30	34
	6.0	600	17.7	4.86	81.0	31	36
	6.5	650	18.0	5.05	84.2	31	36
	6.9	690	18.0	5.21	86.8	32	37
23 ● Dk. Green	3.5	350	16.5	4.56	76.0	34	39
	4.0	400	17.1	4.88	81.3	33	39
	4.5	450	17.4	5.18	86.3	34	40
	5.0	500	17.7	5.47	91.1	35	40
	5.5	550	18.3	5.78	96.3	35	40
	6.0	600	18.3	6.04	100.6	36	42
	6.5	650	18.6	6.29	104.8	36	42
	6.9	690	18.6	6.50	108.3	38	43
25 ● Dk. Blue*	3.5	350	17.1	4.86	80.9	33	38
	4.0	400	17.7	5.23	87.1	33	39
	4.5	450	18.3	5.58	93.1	33	39
	5.0	500	18.9	5.92	98.7	33	38
	5.5	550	19.5	6.29	104.9	33	38
	6.0	600	19.8	6.60	110.0	34	39
	6.5	650	20.1	6.90	115.1	34	39
	6.9	690	20.1	7.15	119.2	35	41
28 ● Black	3.5	350	17.4	5.31	88.5	35	41
	4.0	400	17.7	5.63	93.8	36	42
	4.5	450	18.0	5.93	98.8	37	42
	5.0	500	18.3	6.21	103.5	37	43
	5.5	550	18.9	6.52	108.6	36	42
	6.0	600	19.5	6.77	112.8	36	41
	6.5	650	19.8	7.01	116.9	36	41
	6.9	690	20.4	7.21	120.2	35	40

* 5 standard nozzles included with each sprinkler.

Notes:

All precipitation rates are calculated for 180° operation. For the precipitation rate of a 360° sprinkler, divide by 2.

I-25 NOZZLE



I-40

Radius: **13.1 to 23.2 m**
Flow: **1.63 to 6.84 m³/hr; 27.2 to 114.1 l/min**

The I-40 Rotor has a comprehensive list of upgraded features that make it the top choice for demanding, large turf projects.

KEY BENEFITS

- Patented automatic arc return feature returns the turret back to the original arc pattern if vandalised; adjustable arc from 50° to 360°
- Non-strippable drive mechanism is protected from damage if turned in the opposite direction of travel
- Part- and full-circle in one model for flexibility across landscapes and reduced inventory
- Colour-coded nozzles make identification easy
- Available opposing nozzle model for even watering in full-circle applications (I-40-ON model)
- Drain Check Valve prevents low-head drainage (up to 4.5 m of elevation)

OPERATING SPECIFICATIONS

- Nozzle choices: 12
- Radius I-40: 13.1 to 21.3 m
- Radius I-40-ON: 15.2 to 23.2 m
- Flow I-40: 1.63 to 6.84 m³/hr; 27.2 to 114.1 l/min
- Flow I-40-ON: 2.75 to 7.76 m³/hr; 45.8 to 129.4 l/min
- Warranty period: 5 years
- Recommended pressure range: 2.5 to 7.0 bar; 250 to 700 kPa
- Operating pressure range: 2.5 to 7.0 bar; 250 to 700 kPa
- Precipitation rates: 15 mm/hr approximately
- Nozzle trajectory: standard = 25°

FACTORY-INSTALLED OPTIONS

- Reclaimed water ID
- High-speed rotation

USER-INSTALLED OPTIONS

- HSJ-1 prefabricated 1" (25 mm) PVC Swing Joint



I-40-04
Overall height: 20 cm
Pop-up height: 10 cm
Exposed diameter: 5 cm
Inlet size: 1" (25 mm) BSP



I-40-06
Overall height: 26 cm
Pop-up height: 15 cm
Exposed diameter: 5 cm
Inlet size: 1" (25 mm) BSP



I-40 Reclaimed
Available as a factory-installed option on all models



I-40 High-Speed
Available as a factory-installed option on all models

I-40 – SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Standard Features	3 Feature Options	4 Nozzle Options
I-40-04-SS = 10 cm pop-up I-40-06-SS = 15 cm pop-up	Adjustable arc, stainless steel riser, check valve, and 6 nozzles	B = BSP inlet threads R = Reclaimed water ID HS = High-speed HS-R = High-speed and reclaimed water ID	8 to 25 = Factory-installed nozzle number

I-40-ON – SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Standard Features	3 Feature Options	4 Nozzle Options
I-40-04-SS-ON = 10 cm pop-up I-40-06-SS-ON = 15 cm pop-up	Full-circle, opposing nozzle, stainless steel riser, check valve, and 6 nozzles	B = BSP inlet threads R = Reclaimed water ID ON = Full-circle opposing nozzle ON-R = Full circle opposing nozzles, reclaimed water ID	15 to 28 = Factory-installed nozzle number

Examples:

- I-40-04-SS-B = 10 cm pop-up, BSP inlet threads
- I-40-04-SS-ON-R-B-23 = 10 cm pop-up, full-circle opposing nozzles, reclaimed water ID, 23 nozzle, BSP inlet threads
- I-40-06-SS-15-B = 15 cm pop-up, 15 nozzle, BSP inlet threads

I-40 STANDARD NOZZLE PERFORMANCE DATA

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
08 Lt. Brown	2.5	250	13.1	1.63	27.2	19	22
	3.0	300	13.4	1.80	30.0	20	23
	3.5	350	13.7	1.94	32.3	21	24
	4.0	400	14.0	2.06	34.4	21	24
	4.5	450	14.0	2.18	36.3	22	26
	5.0	500	14.3	2.29	38.2	22	26
10 Lt. Green	5.5	550	14.6	2.41	40.2	23	26
	3.0	300	14.6	2.20	36.6	21	24
	3.5	350	14.9	2.37	39.4	21	24
	4.0	400	15.2	2.52	42.0	22	25
	4.5	450	15.5	2.67	44.5	22	25
	5.0	500	15.5	2.81	46.8	23	27
13 Lt. Blue	5.5	550	15.8	2.96	49.3	24	27
	6.0	600	16.2	3.08	51.4	24	27
	3.0	300	14.9	2.36	39.4	21	24
	3.5	350	15.2	2.55	42.6	22	25
	4.0	400	15.5	2.73	45.5	23	26
	4.5	450	15.5	2.90	48.3	24	28
15 Grey	5.0	500	15.8	3.06	51.0	24	28
	5.5	550	16.2	3.23	53.9	25	29
	6.0	600	16.5	3.38	56.3	25	29
	3.0	300	16.2	2.93	48.8	22	26
	3.5	350	16.5	3.19	53.2	24	27
	4.0	400	16.8	3.44	57.3	24	28
23 Dk. Green	4.5	450	17.1	3.67	61.2	25	29
	5.0	500	17.4	3.89	64.9	26	30
	5.5	550	18.0	4.14	68.9	26	30
	6.0	600	18.3	4.34	72.4	26	30
	6.2	620	18.3	4.43	73.8	26	31
	3.5	350	18.6	4.48	74.6	26	30
25 Dk. Blue	4.0	400	18.9	4.76	79.4	27	31
	4.5	450	19.2	5.03	83.9	27	32
	5.0	500	19.5	5.29	88.1	28	32
	5.5	550	19.8	5.56	92.7	28	33
	6.0	600	20.1	5.79	96.5	29	33
	6.2	620	20.1	5.89	98.1	29	34
25 Dk. Blue	6.5	650	20.1	6.01	100.2	30	34
	6.9	690	20.4	6.19	103.2	30	34
	3.5	350	19.8	4.98	83.0	25	29
	4.0	400	20.1	5.33	88.7	26	30
	4.5	450	20.4	5.65	94.2	27	31
	5.0	500	20.7	5.96	99.3	28	32
25 Dk. Blue	5.5	550	21.0	6.29	104.9	28	33
	6.0	600	21.0	6.57	109.6	30	34
	6.2	620	21.0	6.69	111.5	30	35
	6.5	650	21.3	6.84	114.1	30	35
	6.9	690	21.3	7.07	117.8	31	36

Note:
All precipitation rates are calculated for 180° operation. For the precipitation rate of a 360° sprinkler, divide by 2.

I-40 HIGH-SPEED NOZZLE PERFORMANCE DATA

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
08 Lt. Brown	2.5	250	12.2	1.63	27.2	22	25
	3.0	300	12.5	1.80	30.0	23	27
	3.5	350	12.8	1.94	32.3	24	27
	4.0	400	12.8	2.06	34.4	25	29
	4.5	450	13.1	2.18	36.3	25	29
	5.0	500	13.4	2.29	38.2	25	29
10 Lt. Green	5.5	550	13.4	2.41	40.2	27	31
	3.0	300	13.4	2.20	36.6	34	28
	3.5	350	13.7	2.37	39.4	25	29
	4.0	400	14.0	2.52	42.0	26	30
	4.5	450	14.0	2.67	44.5	27	31
	5.0	500	14.3	2.81	46.8	27	32
13 Lt. Blue	5.5	550	14.6	2.96	49.3	28	32
	6.0	600	14.6	3.08	51.4	29	33
	3.0	300	13.7	2.36	39.4	25	29
	3.5	350	14.0	2.55	42.6	26	30
	4.0	400	14.3	2.73	45.5	27	31
	4.5	450	14.3	2.90	48.3	28	33
15 Grey	5.0	500	14.6	3.06	51.0	29	33
	5.5	550	14.9	3.23	53.9	29	33
	6.0	600	14.9	3.38	56.3	30	35
	3.0	300	15.2	2.93	48.8	25	29
	3.5	350	15.5	3.19	53.2	26	30
	4.0	400	15.8	3.44	57.3	27	32
23 Dk. Green	4.5	450	15.8	3.67	61.2	29	34
	5.0	500	16.2	3.89	64.9	30	34
	5.5	550	16.5	4.14	68.9	31	35
	6.0	600	16.5	4.34	72.4	32	39
	6.2	620	16.5	4.43	73.8	33	38
	3.5	350	16.8	4.48	74.6	32	37
25 Dk. Blue	4.0	400	17.4	4.76	79.4	32	36
	4.5	450	17.7	5.03	83.9	32	37
	5.0	500	17.7	5.29	88.1	34	39
	5.5	550	18.0	5.56	92.7	34	40
	6.0	600	18.3	5.79	96.5	35	40
	6.2	620	18.6	5.89	98.1	34	39
25 Dk. Blue	6.5	650	18.6	6.01	100.2	35	40
	6.9	690	18.6	6.19	103.2	36	41
	3.5	350	17.4	4.98	83.0	33	38
	4.0	400	18.0	5.33	88.7	33	38
	4.5	450	18.3	5.65	94.2	34	39
	5.0	500	18.6	5.96	99.3	34	40
25 Dk. Blue	5.5	550	18.9	6.29	104.9	35	41
	6.0	600	19.2	6.57	109.6	36	41
	6.2	620	19.5	6.69	111.5	35	41
	6.5	650	19.5	6.84	114.1	36	42
	6.9	690	19.5	7.07	117.8	37	43

I-40 NOZZLES



Standard/
High-Speed



I-40 DUAL OPPOSING NOZZLE PERFORMANCE DATA

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
15 ● Grey	3.0	300	15.2	2.75	45.8	12	14
	3.5	350	15.8	2.91	48.5	12	13
	4.0	400	16.2	3.06	51.0	12	14
	4.5	450	16.8	3.20	53.3	11	13
	5.0	500	17.1	3.32	55.4	11	13
	5.5	550	17.4	3.46	57.7	11	13
	6.0	600	17.7	3.58	59.6	11	13
	6.2	620	17.7	3.62	60.4	12	13
18 ● Red	3.0	300	17.4	2.90	48.3	10	11
	3.5	350	17.7	3.15	52.5	10	12
	4.0	400	18.0	3.38	56.4	10	12
	4.5	450	18.0	3.61	60.1	11	13
	5.0	500	18.3	3.82	63.7	11	13
	5.5	550	18.9	4.05	67.5	11	13
	6.0	600	19.2	4.25	70.8	12	13
	6.2	620	19.2	4.33	72.1	12	14
20 ● Dk. Brown	3.5	350	18.3	3.98	66.2	12	14
	4.0	400	18.9	4.26	71.1	12	14
	4.5	450	19.2	4.54	75.6	12	14
	5.0	500	19.5	4.80	80.0	13	15
	5.5	550	20.1	5.08	84.7	13	15
	6.0	600	19.8	5.32	88.7	14	16
	6.2	620	19.8	5.42	90.4	14	16
	6.5	650	20.1	5.55	92.5	14	16
23 ● Dk. Green	3.5	350	18.9	4.23	70.6	12	14
	4.0	400	19.5	4.55	75.8	12	14
	4.5	450	19.8	4.85	80.8	12	14
	5.0	500	20.1	5.14	85.6	13	15
	5.5	550	20.4	5.45	90.8	13	15
	6.0	600	20.7	5.71	95.1	13	15
	6.2	620	20.7	5.82	97.0	14	16
	6.5	650	20.7	5.96	99.4	14	16
25 ● Dk. Blue	3.5	350	19.5	4.60	76.7	12	14
	4.0	400	20.1	4.92	82.1	12	14
	4.5	450	20.4	5.23	87.2	13	14
	5.0	500	20.7	5.52	92.0	13	15
	5.5	550	21.0	5.84	97.3	13	15
	6.0	600	21.3	6.10	101.7	13	15
	6.2	620	21.3	6.22	103.6	14	16
	6.5	650	21.3	6.36	106.0	14	16
28 ● Black	3.5	350	19.8	5.73	95.5	15	17
	4.0	400	20.4	6.07	101.1	15	17
	4.5	450	21.0	6.38	106.4	14	17
	5.0	500	21.3	6.68	111.3	15	17
	5.5	550	21.9	7.00	116.7	15	17
	6.0	600	22.3	7.27	121.1	15	17
	6.2	620	22.3	7.38	122.9	15	17
	6.5	650	22.6	7.52	125.3	15	17
6.9	690	23.2	7.73	128.8	14	17	

Note:
Precipitation rates for the ON-Opposing Nozzles models are calculated at 360°.

I-40 NOZZLES



Opposing

Front

Back



I-40 Turf Cup Kit Option
Available as a field-installed option on all models
P/N TURFCUPKITI40

I-40 Opposing Nozzle 360° Model



I-80

The highly versatile and efficient I-80 Rotor is the first commercial sports turf rotor with no-dig Total-Top-Serviceability.

Radius: **19.2 to 29.6 m**
Flow: **4.59 to 13.5 m³/hr;**
76.5 to 225.6 l/min

KEY BENEFITS

- Exclusive Total-Top-Service (TTS) design provides convenient no-dig servicing
- PressurePort™ Technology and forward-facing triple nozzles (I-80) or opposing triple nozzles (I-80-ON) create exceptional nozzle uniformity in part- and full-circle applications
- Tool-free, part- and full-circle arc adjustment mechanism makes fast, easy installation and reduces inventory (70° to 360°)
- Ratcheting stainless steel riser allows setting of right-side fixed arc alignment to the landscape without rotor disassembly

OPERATING SPECIFICATIONS

- I-80
 - Nozzle choices: 7 standard
 - Radius: 19.8 to 28.7 m
 - Flow: 4.6 to 13.5 m³/hr;
76.5 to 225.6 l/min
- I-80-ON
 - Nozzle choices: 7 standard
 - Radius: 19.2 to 29.6 m
 - Flow: 4.9 to 13.3 m³/hr;
81.8 to 221.4 l/min
- All I-80 Rotors are pressure-rated at 10 bar; 1,000 kPa
- Recommended pressure range: 3.4 to 6.9 bar; 340 to 690 kPa
- Operating pressure range: 2.7 to 10.3 bar; 275 to 1,030 kPa
- Precipitation rates: 10 mm/hr approximately
- Warranty period: 5 years
- QuickCheck™ Arc Mechanism (I-80) for fast arc adjustment and review of the arc setting
- Drain Check Valve prevents low-head drainage (up to 5' of elevation)

FACTORY-INSTALLED OPTIONS

- Exclusive Turf Cup option for an aesthetically clean and safe installation
 - No-dig servicing of riser assembly
 - No-dig arc adjustments
 - Quick-release turf cup assembly
 - Threads in cup lock/retain the turf

USER-INSTALLED OPTIONS

- Rubber Cover Kit P/N: 959300SP
- Turf Cup Kit P/N: 959400SP
- HSJ prefabricated PVC Swing Joints
- Reclaimed water ID 450105



I-80-04-SS Pop-Up I-80-04-SS-ON Pop-Up

Overall height: 25 cm
Pop-up height: 9.5 cm
Exposed diameter: 11 cm
Inlet size: 1½" (40 mm)



I-80-04-SS-TC Turf Cup I-80-04-SS-ON-TC Turf Cup

Overall height: 29 cm
Pop-up height: 9.5 cm
Exposed diameter: 8.9 cm
Inlet size: 1½" (40 mm)



I-80 Turf Cup Kit P/N 959400SP



I-80 Rubber Cover Kit P/N 959300SP

I-80 - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Standard Features	3 Nozzle Options
I-80-04-SS-B = 10 cm pop-up	Adjustable arc, stainless steel riser, check valve, with BSP inlet threads, and 15 nozzle options	23 to 53 = Factory-installed nozzle number, no nozzle pack
I-80-04-SS-TC-B = 10 cm pop-up with turf cup	Adjustable arc, stainless steel riser, check valve, factory-installed turf cup, with BSP inlet threads, and 15 nozzle options	
I-80-04-SS-ON-B = 10 cm pop-up	Full-circle, opposing nozzle, stainless steel riser, check valve, with BSP inlet threads, and 15 nozzle options	23 to 53 = Factory-installed nozzle number, no nozzle pack
I-80-04-SS-ON-TC-B = 10 cm pop-up with turf cup	Full-circle, opposing nozzle, stainless steel riser, check valve, factory-installed turf cup, with BSP inlet threads, and 15 nozzle options	

Examples:

I-80-04-SS-B-25 = 10 cm pop-up, adjustable arc, stainless steel riser, check valve, BSP inlet threads, and factory-installed 25 nozzle

I-80-04-SS-ON-B-38 = 10 cm pop-up, stainless steel riser, check valve, opposing nozzle full-circle, BSP inlet threads, and factory-installed 38 nozzle

I-80-04-SS-ON-TC-B-48 = 10 cm pop-up, stainless steel riser, check valve, opposing nozzle full-circle, factory-installed turf cup, BSP inlet threads, and factory-installed 48 nozzle

I-80 NOZZLE PERFORMANCE DATA									
Nozzle Set			Pressure		Radius	Flow		Precip mm/hr	
			bar	kPa	m	m ³ /hr	l/min	■	▲
Orange 803603 ●		Lt. Green	3.4	344	19.8	4.59	76.5	11.7	13.5
			4.1	413	20.1	5.02	83.7	12.4	14.3
		Green	4.5	450	20.4	5.43	90.5	13.0	15.0
			4.8	482	20.4	5.50	91.6	13.2	15.2
		●	5.5	551	21.0	5.88	98.0	13.3	15.4
Orange 803603 ●		Lt. Green	4.5	450	21.6	6.43	107.1	13.7	15.8
			4.8	482	21.9	6.66	110.9	13.8	16.0
		Green	5.5	551	22.3	7.16	119.2	14.5	16.7
			6.2	620	22.6	7.59	126.4	14.9	17.2
		●	6.9	689	22.9	8.04	134.0	15.4	17.8
Orange 803603 ●		Lt. Green	4.5	450	21.9	6.95	115.8	14.4	16.7
			4.8	482	22.3	7.18	119.6	14.5	16.7
		Green	5.5	551	22.9	7.70	128.3	14.7	17.0
			6.2	620	23.5	8.13	135.5	14.8	17.0
		●	6.9	689	24.1	8.61	143.5	14.8	17.1
Orange 803603 ●		Lt. Green	4.5	450	23.2	7.93	132.1	14.8	17.1
			4.8	482	23.8	8.22	137.0	14.5	16.8
		Green	5.5	551	24.4	8.88	148.0	14.9	17.2
			6.2	620	25.0	9.36	156.0	15.0	17.3
		●	6.9	689	25.6	9.88	164.7	15.1	17.4
Orange 803603 ●		Lt. Green	-	-	-	-	-	-	-
			4.8	482	24.7	9.36	156.0	15.4	17.7
		Green	5.5	551	25.3	9.88	164.7	15.4	17.8
			6.2	620	26.2	10.49	174.9	15.3	17.6
		●	6.9	689	27.1	11.06	184.3	15.0	17.4
Orange 803603 ●		Lt. Green	-	-	-	-	-	-	-
			4.8	482	25.3	10.52	175.3	16.4	19.0
		Green	5.5	551	25.9	10.99	183.2	16.4	18.9
			6.2	620	27.1	11.74	195.7	16.0	18.4
		●	6.9	689	27.7	12.38	206.3	16.1	18.6
Orange 803603 ●		Lt. Green	-	-	-	-	-	-	-
			4.8	482	26.5	11.52	191.9	16.4	18.9
		Green	5.5	551	27.1	12.06	201.0	16.4	18.9
			6.2	620	28.0	12.81	213.5	16.3	18.8
		●	6.9	689	28.7	13.54	225.6	16.5	19.0

I-80-ON NOZZLE PERFORMANCE DATA*									
Nozzle Set			Pressure		Radius	Flow		Precip mm/hr	
			bar	kPa	m	m ³ /hr	l/min	■	▲
Tan 803611 ●		Lt. Blue	3.4	344	19.2	4.91	81.8	13.3	15.4
			4.1	413	19.8	5.22	87.1	13.3	15.4
		Green	4.5	450	20.1	5.45	90.8	13.5	15.6
			4.8	482	20.4	5.66	94.3	13.6	15.7
		●	5.5	551	20.7	6.04	100.7	14.1	16.2
Tan 803611 ●		Lt. Blue	4.5	450	21.6	6.50	108.3	13.9	16.0
			4.8	482	22.3	6.75	112.5	13.6	15.7
		Green	5.5	551	22.6	7.19	119.8	14.1	16.3
			6.2	620	22.9	7.65	127.5	14.6	16.9
		●	6.9	689	23.5	8.12	135.3	14.7	17.0
Tan 803611 ●		Lt. Blue	4.5	450	22.6	7.02	117.0	13.8	15.9
			4.8	482	22.9	7.27	121.1	13.9	16.1
		Green	5.5	551	23.5	7.77	129.5	14.1	16.3
			6.2	620	24.1	8.22	137.0	14.2	16.4
		●	6.9	689	24.7	8.68	144.6	14.2	16.4
Tan 803611 ●		Lt. Blue	4.5	450	23.5	7.97	132.9	14.5	16.7
			4.8	482	24.1	8.31	138.5	14.3	16.6
		Green	5.5	551	25.0	8.84	147.3	14.1	16.3
			6.2	620	25.6	9.38	156.3	14.3	16.5
		●	6.9	689	26.5	9.90	165.0	14.1	16.3
Tan 803611 ●		Lt. Blue	-	-	-	-	-	-	-
			4.8	482	25.3	9.38	156.3	14.7	16.9
		Green	5.5	551	25.9	9.90	165.0	14.8	17.0
			6.2	620	26.5	10.52	175.3	15.0	17.3
		●	6.9	689	27.1	11.09	184.7	15.1	17.4
Tan 803611 ●		Lt. Blue	-	-	-	-	-	-	-
			4.8	482	27.4	10.65	177.5	14.2	16.3
		Green	5.5	551	28.0	11.11	185.1	14.1	16.3
			6.2	620	28.7	11.46	191.0	14.0	16.1
		●	6.9	689	29.3	12.15	202.5	14.2	16.4
Tan 803611 ●		Lt. Blue	-	-	-	-	-	-	-
			4.8	482	27.7	11.31	188.5	14.7	17.0
		Green	5.5	551	28.3	11.86	197.7	14.8	17.0
			6.2	620	29.0	12.61	210.1	15.0	17.4
		●	6.9	689	29.6	13.29	221.4	15.2	17.6

● = Nozzle Plug P/N 315300 installed in the back side of the nozzle housing.

* Complies to ASAE standard. All precipitation rates calculated for 360° operation. All triangular rates are equilateral.

I-80 NOZZLES



I-90

Radius: **22.3 to 31.4 m**
Flow: **6.7 to 19.04 m³/hr; 111.7 to 317.2 l/min**

The robust I-90 Rotor is built for long-distance natural turf applications in large parks, open spaces, and sports fields.

KEY BENEFITS

- PressurePort™ Technology, forward-facing triple nozzles (I-90), opposing triple nozzles (I-90-ON) create exceptional nozzle uniformity in part- and full-circle applications
- Part- and full-circle in one model provides flexible installation options and reduces inventory (I-90)
- Drain Check Valve prevents low-head drainage (up to 2 m of elevation)

OPERATING SPECIFICATIONS

- I-90 nozzle choices: 8
- Radius I-90 ADV: 20.1 to 29.6 m
- Radius I-90 36V: 22.3 to 31.4 m
- Flow I-90 ADV: 6.7 to 19.04 m³/hr; 111.7
- Flow I-90 36V: 6.93 to 18.92 m³/hr; 115.5 to 315.3 l/min
- Recommended pressure range: 5.5 to 8.3 bar; 550 to 830 kPa
- Operating pressure range: 5.5 to 8.3 bar; 550 to 830 kPa
- Precipitation rate: 19 mm/hr approximately
- Warranty period: 5 years

FACTORY-INSTALLED OPTIONS

- Reclaimed water ID

USER-INSTALLED OPTIONS

- Rubber Cover Kit P/N: 234200
- Turf Cup Kit P/N: 467955
- Prefabricated PVC 1½" (40 mm) HSJ Swing Joints



I-90
Overall height:
ADV/36V: 28 cm
Pop-up height: 8 cm
Exposed diameter: 9 cm
Inlet size: 1½" (40 mm) BSP



Turf Cup Kit
P/N 467955



Rubber Cover Kits
P/N 234200



I-90 Reclaimed
Available as a factory-installed option on all models

I-90 - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Standard Features	3 Feature Options	4 Nozzle Options
I-90 = 8 cm pop-up	Plastic riser, check valve, and 8 nozzles	ADV-B = Adjustable arc, with BSP inlet threads ARV-B = Adjustable arc and reclaimed water ID, with BSP inlet threads 36V-B = Full-circle, opposing nozzles, with BSP inlet threads 3RV-B = Full-circle, opposing nozzles and reclaimed water ID, with BSP inlet threads	25 to 73 = Factory-installed nozzle number

Examples:

- I-90-ADV-B = 8 cm pop-up, adjustable arc, with BSP inlet threads
- I-90-36V-B-43 = 8 cm pop-up, full-circle, opposing nozzles, with BSP inlet threads, and 43 nozzle
- I-90-3RV-B-63 = 8 cm pop-up, full-circle, opposing nozzles, reclaimed water ID, with BSP inlet threads, and 63 nozzle

I-90-ADV NOZZLE PERFORMANCE DATA							
Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
25 ● Lt. Blue	5.5	550	20.1	6.70	111.7	33.1	38.2
	6.0	600	20.4	7.16	119.2	34.3	39.6
	7.0	700	20.7	7.54	125.7	35.1	40.5
	7.5	750	21.0	8.09	134.8	36.6	42.2
33 ● Grey	5.5	550	20.7	8.22	137.0	38.3	44.2
	6.0	600	21.0	8.68	144.6	39.2	45.3
	7.0	700	21.3	9.18	152.9	40.3	46.6
	7.5	750	21.6	9.68	161.3	41.3	47.7
38 ● Red	5.5	550	21.9	9.22	153.7	38.3	44.2
	6.0	600	22.3	9.77	162.8	39.5	45.6
	7.0	700	22.9	10.31	171.9	39.5	45.6
	7.5	750	23.2	10.81	180.2	40.3	46.5
43 ● Dk. Brown	5.5	550	22.6	10.47	174.5	41.2	47.5
	6.0	600	22.6	11.02	183.6	43.3	50.0
	7.0	700	22.9	11.52	191.9	44.1	50.9
	7.5	750	23.5	12.13	202.1	44.0	50.9
48 ● Dk. Green	5.5	550	23.5	11.40	190.0	41.4	47.8
	6.0	600	24.1	11.95	199.1	41.2	47.6
	7.0	700	24.7	12.52	208.6	41.1	47.4
	7.5	750	25.0	13.06	217.7	41.8	48.3
53 ● Dk. Blue*	5.5	550	24.7	12.47	207.8	40.9	47.2
	6.0	600	25.6	12.99	216.5	39.6	45.8
	7.0	700	26.2	13.52	225.2	39.3	45.4
	7.5	750	26.5	14.11	235.1	40.1	46.3
	8.0	800	26.8	14.63	243.8	40.7	47.0
63 ● Black	5.5	550	26.2	14.15	235.8	41.2	47.6
	6.0	600	26.8	14.88	247.9	41.4	47.8
	7.0	700	27.4	15.67	261.2	41.7	48.1
	7.5	750	27.7	16.33	272.2	42.5	49.0
	8.0	800	28.0	16.97	282.8	43.2	49.8
73 ● Orange	5.5	550	27.1	16.51	275.2	44.9	51.8
	6.0	600	27.7	17.13	285.4	44.5	51.4
	7.0	700	28.3	17.74	295.6	44.2	51.0
	7.5	750	29.0	18.38	306.2	43.8	50.6
	8.0	800	29.6	19.04	317.2	43.5	50.3

* Factory-installed nozzle

Notes:

Precipitation rates for ADV models are calculated for 180° operation. Precipitation rates for 36V models are calculated for 360° operation. All triangular rates are equilateral. Complies to ASAE standard.

I-90-36V NOZZLE PERFORMANCE DATA							
Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
25 ● Lt. Blue	5.5	550	22.3	6.93	115.5	14.0	16.2
	6.0	600	22.9	7.36	122.6	14.1	16.3
	7.0	700	23.2	7.79	129.8	14.5	16.8
	7.5	750	23.8	8.29	138.2	14.7	16.9
33 ● Grey	5.5	550	23.5	8.25	137.4	15.0	17.3
	6.0	600	23.8	8.72	145.4	15.4	17.8
	7.0	700	24.4	9.22	153.7	15.5	17.9
	7.5	750	24.7	9.70	161.6	15.9	18.4
38 ● Red	5.5	550	24.4	9.22	153.7	15.5	17.9
	6.0	600	25.0	9.75	162.4	15.6	18.0
	7.0	700	25.3	10.29	171.5	16.1	18.6
	7.5	750	25.9	10.84	180.6	16.1	18.6
43 ● Dk. Brown	5.5	550	25.3	10.49	174.9	16.4	18.9
	6.0	600	25.6	11.04	184.0	16.8	19.4
	7.0	700	25.9	11.56	192.7	17.2	19.9
	7.5	750	26.2	12.13	202.1	17.7	20.4
48 ● Dk. Green	5.5	550	26.2	11.27	187.8	16.4	18.9
	6.0	600	27.1	11.93	198.7	16.2	18.7
	7.0	700	27.4	12.45	207.4	16.5	19.1
	7.5	750	27.7	13.02	216.9	16.9	19.5
53 ● Dk. Blue*	5.5	550	27.1	12.31	205.2	16.7	19.3
	6.0	600	27.4	12.88	214.6	17.1	19.8
	7.0	700	28.0	13.45	224.1	17.1	19.7
	7.5	750	28.3	14.02	233.6	17.4	20.1
	8.0	800	28.7	14.58	243.0	17.8	20.5
63 ● Black	5.5	550	28.0	14.36	239.2	18.3	21.1
	6.0	600	28.7	14.97	249.5	18.2	21.1
	7.0	700	29.3	15.76	262.7	18.4	21.3
	7.5	750	29.6	16.36	272.5	18.7	21.6
	8.0	800	29.9	17.01	283.5	19.1	22.0
73 ● Orange	5.5	550	29.3	16.38	272.9	19.1	22.1
	6.0	600	29.9	17.04	283.9	19.1	22.0
	7.0	700	30.2	17.67	294.5	19.4	22.4
	7.5	750	31.1	18.29	304.7	18.9	21.8
	8.0	800	31.4	18.92	315.3	19.2	22.2

I-90 NOZZLE



ADV & 36V

I-90



HSJ SWING JOINTS

With swivel ells on both ends, HSJ Swing Joints easily adjust sprinklers to proper height and position in any configuration.

KEY BENEFITS













- Strength, longevity and contamination resistance
 - Prefabricated PVC design with O-ring seals
- Configurations to meet every installation requirement
 - Available in all popular inlet and outlet configurations
 - Choose from 20 cm, 30 cm, or 46 cm lay arm lengths
 - Single top-out or triple top-out designs

Swing Joints

- HSJ-0 = Model ¾"
- HSJ-1 = Model 1" (25 mm)
- HSJ-2 = Model 1¼" (30 mm)
- HSJ-3 = Model 1½" (40 mm)



SWING JOINT - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4 + 5

1 Model	2 Inlet Type (from pipe fitting)	3 Outlet Type (to sprinkler inlet)	4 Outlet Style	5 Lay Length
HSJ-0 = ¾" commercial Swing Joint HSJ-1 = 1" (25 mm) heavy-duty Swing Joint HSJ-2 = 1¼" (30 mm) heavy-duty Swing Joint HSJ-3 = 1½" (40 mm) heavy-duty Swing Joint	3 = Male NPT  4 = Male Acme*  6 = Male BSP**  7 = Spigot, 10 cm long**  M = Main Acme H-connection *** P = Main Acme V-connection <small>* Not available in HSJ-0 or HSJ-3. Use "M" inlet for HSJ-3. ** Not available in HSJ-0. *** Horizontal connection reduces from 40 mm Acme to Swing Joint size</small>	0 = Male Acme  2 = Male NPT  5 = Male BSP (not available in HSJ-0)  6 = Enlarging to 1½" (40 mm) male BSP* 8 = Enlarging to 1½" (40 mm) male Acme* A = Enlarging/reducing to 30 mm male Acme**	2 = Single top-out  4 = Triple top-out 	8 = 20 cm lay arm*  12 = 30 cm lay arm  18 = 46 cm lay arm**  <small>* HSJ-0 only ** Not available in HSJ-0</small>

Example:

HSJ-1-3-2-2-12 = HSJ 1" (25 mm) heavy-duty Swing Joint, 1" (25 mm) NPT inlet, 1" (25 mm) male NPT single top-out outlet, 30 cm lay arm length

SnapLok is a trademark of LASCO Fittings Inc.

SNAPLOK™ COMBO KITS

These kits are designed for applications that demand sturdy installation due to frequent Quick Coupler use.








KEY BENEFITS

- Highly effective solution for Quick Coupler stabilisation
- SnapLok design includes:
 - Heavy-duty PVC and brass outlet construction
 - Anti-rotation coupler locking feature
 - Accommodates both rebar and pipe stabilisation
- Solves common quick-coupler stabilisation and unthreading concerns
 - Unique SnapLok outlet with integrated brass thread outlet
- See the HSJ Swing Joints on [page 42](#)



Quick Coupler with SnapLok
Equipped with HSJ-1 Swing Joint

SNAPLOK COMBO KITS - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4 + 5

1 Model	2 Inlet Type (from pipe fitting)	3 Outlet Type (to sprinkler inlet)	4 Outlet Style	5 Lay Length
HSJ-1 = 1" (25 mm) heavy-duty Swing Joint	6 = Male BSP  2 = Short spigot 	S = 1" Male brass NPT SnapLok  T = ¾" Male brass NPT/BSP SnapLok U = 1" (25 mm) Male brass BSP SnapLok 	2 = Single top-out 	12 = 30 cm lay arm  18 = 46 cm lay arm 

Example:
HSJ-1-6-S-2-12 = HSJ 1" (25 mm) heavy-duty Swing Joint, 1" (25 mm) BSP inlet, 1" (25 mm) male brass outlet, single top-out, 30 cm lay arm length

HCV CHECK VALVES

Eliminate low-head drainage for both rotor and spray shrub systems with the adjustable HCV Check Valves.

KEY BENEFITS

- Adjustment access from top of valve
- Adjusts to compensate for elevational changes up to 11 m
- Variety of inlet and outlet options reduces need for additional fittings
- Meets Schedule 80 specifications for durability under high pressure
- Pressure loss charts for HCV products on [page 219](#)

HCV CHECK VALVES	
Model	Description
HC-50F-50F	½" female inlet x ½" female outlet
HC-50F-50M	½" female inlet x ½" male outlet
HC-75F-75M	¾" female inlet x ¾" male outlet



HCV Check Valves
Overall height: 7.5 cm

ST SYSTEMS





ST-90-B

The ST-90-B Synthetic Turf Rotor is designed for installation in natural turf adjacent to the playing surface — the perfect solution for small and midsize fields.

KEY BENEFITS

- Arc setting: 40° to 360°
- QuickCheck™ Arc Mechanism
- Through-the-top arc adjustment
- Water-lubricated gear drive
- Factory-installed rubber logo cap
- Nozzle trajectory: 22.5°

OPERATING SPECIFICATIONS

- Radius: 31.4 m to 36.6 m
- Flow: 16.9 to 20.9 m³/hr; 282 to 348 l/min
- Operating pressure range: 6.9 to 8.3 bar; 690 to 830 kPa
- Precipitation rate: 35 mm/hr approximately
- Warranty period: 5 years for component parts

USER-INSTALLED OPTIONS

- Rubber Cover Kit ST-90: P/N 234200SP

ST ROTOR	
Model	Description
ST-90-B-XX	8 cm pop-up, jar-top cap, adjustable arc, plastic riser, and BSP inlet threads, 73 or 83 preinstalled nozzle



ST-90-B*

Overall height: 29 cm
Pop-up height: 8 cm
Diameter: 14 cm
Inlet size: 1½" (40 mm) BSP

* Not for use with the ST Vault

ST-90-B NOZZLE PERFORMANCE DATA

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
73 ●	7.0	700	31.4	16.9	282	34.3	39.6
	7.5	750	33.2	17.5	291	31.7	36.6
	8.0	800	35.1	18.1	301	29.4	34.0
83 ●	7.0	700	34.1	19.1	319	32.8	37.9
	7.5	750	35.4	20.0	333	32.0	37.0
	8.0	800	36.6	20.9	348	31.2	36.1

Notes:

All precipitation rates calculated for 180° operation.
For precipitation rate of a 360° sprinkler, divide by 2.

Requires minimum 7.0 bar; 700 kPa dynamic pressure supplied to Swing Joint inlet.

HIGH-FLOW SWING JOINTS

These durable Swing Joints are easy to position and ensure correct rotor installation height.

KEY BENEFITS

- Heavy-duty, high-flow Swing Joints with O-ring seals
- HSJ-4 for high-flow I-90 and ST-90 Rotors with 2" (50 mm) inlets

High-Flow Swing Joints
HSJ-4 = 50 mm model



HSJ HIGH-FLOW SWING JOINT - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Inlet Type (from pipe fitting)	3 Outlet Type (to sprinkler inlet)	4 Outlet Style	5 Lay Length
HSJ-4 = 50 mm heavy-duty Swing Joint	6 = 2" (50 mm) male BSP, horizontal side connection	D = 1½" (40 mm) male BSP	2 = Single top-out	12 = 12" (30 cm) lay arm

Example:

HSJ-4-6-D-2-12 = HSJ 50 mm heavy-duty Swing Joint, 50 mm male BSP horizontal side connection to piping, 40 mm male BSP outlet to sprinkler, single top-out, and 30 cm lay arm

ST-1200-BR

The cost-effective ST-1200-BR Synthetic Turf Rotor is the ideal riser-mounted solution for pastures, corrals, arenas, dust control, and wash-down watering.

KEY BENEFITS

- Nozzle choices: 5 (included)
- Standard nozzle: 12
- Nozzle range: 10 to 18
- Nozzle trajectory: 22.5°
- Isolated, grease-lubricated gear drive
- Nozzle barrels: short and long (included)
- Movable stops (left and right) arc adjustment
- Arc setting: 40° to non-reversing 360°
- Ratcheting nozzle turret

OPERATING SPECIFICATIONS

- Radius: 20.4 m to 35.1 m
- Flow: 6.13 to 29.76 m³/hr; 102.1 to 495.9 l/min
- Operating pressure range: 2.0 to 6.0 bar; 200 to 600 kPa



ST-1200-BR

Overall height: 30 cm
Overall length: 30 cm (Long Barrel)
Overall width: 10 cm
Inlet size: 1½" (40 mm) BSP

*Use P/N 241401SP 1½" (40 mm) male spigot x 1½" (40 mm) BSP adapter if needed

Included

Short and long barrels

ST-1200-BR NOZZLE PERFORMANCE DATA

Nozzle	Pressure		Radius m	Flow		Precip in/hr	
	Bar	kPa		m ³ /hr	l/min	■	▲
10 ●	2.0	200	20.4	6.13	102.2	29.4	34.0
	3.0	300	22.9	7.45	124.2	28.5	32.9
	4.0	400	25.9	8.65	144.2	25.8	29.8
	5.0	500	27.4	9.88	164.7	26.3	30.3
12 ●	2.0	200	20.7	7.63	127.2	35.5	41.0
	3.0	300	23.8	9.36	156.0	33.1	38.2
	4.0	400	26.8	10.81	180.2	30.1	34.7
	5.0	500	29.9	12.06	201.0	27.0	31.2
14 ●	2.0	200	21.3	10.38	173.0	45.6	52.7
	3.0	300	26.2	12.72	212.0	37.0	42.8
	4.0	400	30.5	14.70	244.9	31.6	36.5
	5.0	500	33.5	16.47	274.4	29.3	33.8
16 ●	2.0	200	21.9	13.52	225.2	56.1	64.8
	3.0	300	28.3	16.58	276.3	41.3	47.7
	4.0	400	31.4	19.15	319.1	38.9	44.9
	5.0	500	35.4	18.38	306.2	29.4	33.9
18 ●	3.0	300	29.0	21.01	350.1	50.1	57.9
	4.0	400	31.7	24.31	405.0	48.4	55.9
	5.0	500	33.8	27.15	452.4	47.4	54.8
	6.0	600	35.1	29.76	495.9	48.4	55.9

ST-1200-BR Rotor Installed



ST-1600-HS-BR

In addition to synthetic turf, this heavy-duty rotor is designed for irrigating pastures, horse arenas, dust control, and natural turf areas.

KEY BENEFITS

- Nozzle choices: 6
- Standard nozzle: 20
- Nozzle range: 16 to 26
- Nozzle trajectory: 25°
- Movable stops with left and right arc adjustment
- Arc setting: 40° to non-reversing 360°
- Ratcheting nozzle turret

OPERATING SPECIFICATIONS

- Radius: 32.5 to 50.3 m
- Flow: 21.8 to 74.2 m³/hr; 364 to 1,237 l/min
- Operating pressure range: 4.0 to 8.0 bar; 400 to 800 kPa
- Precipitation rate: 60 mm/hr approximately
- Warranty period: 5 years for component parts



ST-1600-HS-BR (High-Speed)

(Riser-Mounted Model)

Overall height: 22 cm

Diameter: 21 cm

Inlet size: 2" (50 mm) BSP*

*Use P/N 241400SP 2" (50 mm) male spigot x 2" (50 mm) male BSP adapter if needed

ST-1600-HS-BR NOZZLE PERFORMANCE DATA*

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
16 ●	4.0	400	32.5	21.8	364	41.4	47.8
	5.0	500	35.0	24.4	406	39.8	45.9
	6.0	600	37.0	26.8	446	39.1	45.1
	7.0	700	39.0	28.9	482	38.0	43.9
	8.0	800	41.0	31.2	520	37.1	42.9
18 ●	4.0	400	34.0	24.3	405	42.0	48.6
	5.0	500	37.0	27.1	452	39.6	45.8
	6.0	600	39.0	29.8	496	39.1	45.2
	7.0	700	40.5	32.1	535	39.1	45.2
	8.0	800	43.0	34.8	580	37.6	43.5
20 ●	4.0	400	35.0	32.7	545	53.4	61.7
	5.0	500	39.0	36.5	609	48.1	55.5
	6.0	600	43.0	40.1	668	43.4	50.1
	7.0	700	44.0	43.3	721	44.7	51.6
	8.0	800	45.0	46.4	773	45.8	52.9
22 ●	4.0	400	36.0	38.9	649	60.1	69.4
	5.0	500	39.5	43.6	726	55.8	64.5
	6.0	600	44.0	47.7	795	49.3	56.9
	7.0	700	47.0	51.5	859	46.7	53.9
	8.0	800	48.0	55.2	920	47.9	55.3
24 ●	4.0	400	37.0	45.9	765	67.1	77.4
	5.0	500	40.5	51.3	855	62.6	72.2
	6.0	600	45.0	56.2	937	55.5	64.1
	7.0	700	47.5	60.7	1012	53.8	62.2
	8.0	800	48.7	65.0	1084	54.9	63.3
26 ●	4.0	400	38.4	53.0	883	71.8	82.9
	5.0	500	41.4	59.2	986	68.8	79.5
	6.0	600	46.0	64.6	1077	61.0	70.4
	7.0	700	48.7	69.7	1162	58.6	67.7
	8.0	800	50.3	74.2	1237	58.7	67.8

*All radius measurements are taken at standard rotation speeds. Slowing rotation to the minimum rotation speed will add 3+ meters to the radius.

ST-1600-HS-BR Rotor Installed



ST-1700-V

This ST System includes a valve-in-head design for faster installation and maintenance.

KEY BENEFITS

- Nozzle choices: 5 ranging from nozzles 16 to 24
- Nozzle trajectory: 25°
- Total-Top-Service (TTS) design provides convenient no-dig servicing
- Valve-in-head configuration simplifies installation
- Isolated, grease-lubricated gear drive provides smooth operation
- Arc adjustment: movable stops for left/right arc adjustment

OPERATING SPECIFICATIONS

- Radius: 32 m to 48 m
- Flow: 21.0 to 58.8 m³/hr; 350 to 980 l/min
- Operating pressure range: 4.0 to 8.0 bar; 400 to 800 kPa
- Arc setting: 40° to non-reversing 360°
- Speed of rotation: 80 seconds at 6.0 bar; 600 kPa (single 180° sweep)
- Precipitation rate: 45 mm/hr approximately
- Warranty period: 5 years for component parts

USER-INSTALLED OPTIONS

- Infill Barrier System Rubber Cover Kit: P/N ST-IBS-1700
- Short-Radius Nozzle Kit: P/N 959900
- Adapter (if needed), 2" (50 mm) male spigot x 2" (50 mm) male BSP: P/N 241400SP



ST-1700-V

Overall height: 68 cm
Pop-up height: 13 cm
Top: 33 cm x 39 cm
Inlet size: 2" (50 mm) BSP*



ST-1700-V Valve Tool

P/N 10000100SP
For installation and removal of inlet valve



Snap Ring Removal Tool

P/N 251000SP



Infill Barrier System Rubber Cover Kit

P/N STIBS1700

ST-1700-V NOZZLE PERFORMANCE DATA							
Nozzle	Pressure		Radius	Flow		Precip mm/hr	
	bar	kPa		m	m ³ /hr	l/min	■
16 ●	4.0	400	32.0	21.0	350	41.0	47.3
	5.0	500	35.0	22.7	379	37.1	42.8
	6.0	600	37.0	25.9	432	37.8	43.7
	7.0	700	38.5	28.1	469	38.0	43.9
	8.0	800	40.0	30.4	508	38.1	43.9
18 ●	4.0	400	34.0	24.3	405	42.0	48.5
	5.0	500	36.5	26.1	435	39.2	45.3
	6.0	600	38.5	28.8	481	38.9	44.9
	7.0	700	40.0	31.1	519	38.9	44.9
	8.0	800	42.0	33.8	564	38.3	44.3
20 ●	4.0	400	35.0	30.4	508	49.7	57.4
	5.0	500	39.0	34.3	572	45.1	52.0
	6.0	600	41.0	37.2	621	44.3	51.1
	7.0	700	43.0	40.9	681	44.2	51.0
	8.0	800	45.0	44.0	733	43.4	50.1
22 ●	4.0	400	35.5	34.9	582	55.4	63.9
	5.0	500	39.0	39.5	659	51.9	60.0
	6.0	600	43.0	42.9	715	46.4	53.6
	7.0	700	45.5	46.8	780	45.2	52.2
	8.0	800	47.0	50.4	841	45.7	52.7
24 ●	4.0	400	37.0	40.2	671	58.8	67.9
	5.0	500	40.5	45.6	761	55.6	64.2
	6.0	600	44.0	50.4	840	52.1	60.1
	7.0	700	47.0	54.5	908	49.3	57.0
	8.0	800	48.0	58.8	980	51.0	58.9

STG-900-KIT-B / STG-900

This top-quality, long-range system is specially designed for synthetic turf sports field irrigation.

KEY BENEFITS

- Arc setting: 40° to 360°
- QuickCheck™ Arc Mechanism
- Through-the-top arc adjustment
- Water-lubricated gear drive
- Factory-installed rubber logo cap
- Nozzle trajectory: 22.5°

OPERATING SPECIFICATIONS

- Radius: 31.4 m to 36.6 m
- Flow: 16.9 to 20.9 m³/hr; 282 to 348 l/min
- Operating pressure range: 6.9 to 8.3 bar; 690 to 830 kPa
- Precipitation rate: 35 mm/hr approximately
- Warranty period: 5 years for component parts

USER-INSTALLED OPTIONS

- Rubber Cover Kit STG-900: P/N 473900SP

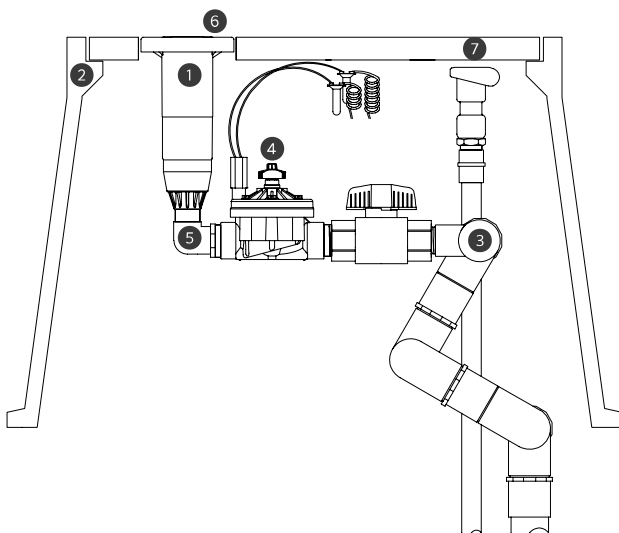


STG-900*

Overall height: 36 cm
Pop-up height: 8 cm
Diameter: 20 cm
Inlet size: 1½" (40 mm) Acme

*For use with the ST-173026-B Vault

STG-900-KIT-B



STG-900-KIT-B COMPONENTS

FIGURE	COMPONENTS	QTY	DESCRIPTION
1	STG-900-83	1	Pop-up, top serviceable, adjustable arc (40°-360°), 1½" (40 mm) Acme inlet
2	ST-173026-B	1	Composite vault, pre-cast hole for rotor and quick coupler
3	ST-2008-VA	1	Vertical alignment PVC Swing Joint, seven pivot points, 2" (50 mm) female slip inlet, 1½" (40 mm) female Acme outlet
4	ST-VBVF-K	1	ICV-151G valve, manifold ball valve, 1½" (40 mm) Acme inlet, 1½" (40 mm) Acme outlet
5	239800	1	1½" (40 mm) elbow, female Acme to male Acme, connects STG-900 rotor to ST-VBVF-K
6	473900SP	1	STG-900 rubber cover kit
7	HQ-5-RC-BSP	1	Quick coupler, 1" BSP inlet, 1¼" outlet for key

STG-900 Rotor



STG-900 NOZZLE PERFORMANCE DATA

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
73 ●	7.0	700	31.4	16.9	282	34.3	39.6
	7.5	750	33.2	17.5	291	31.7	36.6
Orange	8.0	800	35.1	18.1	301	29.4	34.0
83 ●	7.0	700	34.1	19.1	319	32.8	37.9
	7.5	750	35.4	20.0	333	32.0	37.0
Tan	8.0	800	36.6	20.9	348	31.2	36.1

Notes:

All precipitation rates are calculated for 180° operation.
For the precipitation rate of a 360° sprinkler, divide by 2.

Requires minimum 7.0 bar; 700 kPa dynamic pressure supplied to the Swing Joint inlet.

ST SWING JOINTS

Multiaxis 22 bar; 2,200 kPa rated vertical alignment PVC Swing Joints with seven O-ring sealed pivot points allow the rotor to be perfectly placed within the ST Vault's cover set opening.

ST-2008-VA: 2" (50 mm) for STG-900

Inlet: 2" (50 mm) slip*

Outlet: 1½" (40 mm) Acme

*Use P/N 241400 adapter to connect to male BSP threads

Adapter fitting 239300

Connects 239800 elbow fitting to STG-900 Rotor with Acme inlet



ST VALVE SETS

Heavy-duty control valves are configured to complement the ST Rotors and ST Vaults.

ST-VBVF-K: For STG-900-KIT-B

Valve: 1½" (40 mm) NPT ICV

Ball valve: 22 bar (2,200 kPa) rating

Inlet: 1½" (40 mm) Acme

Outlet: 1½" (40 mm) Acme

Low-pressure-loss design: 0.7 bar; 70 kPa at 22.7 m³/hr; 378 l/min from Swing Joint inlet through to rotor

Includes: 1½" (40 mm) connection fittings



ST VAULTS

Heavy-duty tapered fibreglass and polymer-concrete construction with pre-cast holes for rotor and quick coupler valve.

ST-173026-B for STG-900-KIT-B includes 50 mm thick, 3-piece cover set

Main cover: 43 cm x 76 cm

Overall height: 66 cm

Body weight: 47 kg

Total weight: 73 kg

Base pad: 68 cm x 104 cm

Quick-access ports: 1



① Quick Coupler

All ST Vaults include handy quick-access ports. Quick couplers provide a convenient source of water for washing down spills and water-soluble paint. The integrated in-vault design eliminates the need for additional quick-coupler enclosures.

ST-1600-KIT-B / ST-1600-HS-B

This all-in-one solution offers unmatched cleaning, cooling, and flushing capabilities to prepare synthetic sports fields for play.

KEY BENEFITS

- Nozzle choices: 6
- Standard nozzle: 20
- Nozzle range: 16 to 26
- Nozzle trajectory: 25°
- Isolated, grease-lubricated gear drive
- Movable stops (left and right) arc adjustment
- Arc setting: 40° to non-reversing 360°
- Ratcheting nozzle turret
- Adjustable speed of rotation: 0 to 65 seconds (high-speed models, 180° at 8 bar; 800 kPa)

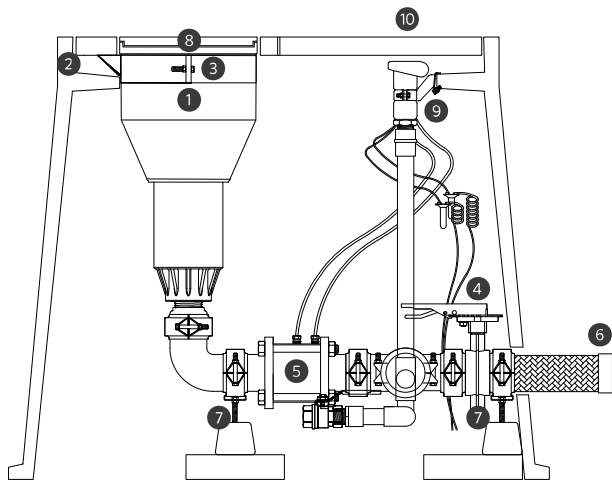
OPERATING SPECIFICATIONS

- Radius: 32.5 to 50.3 m
- Flow: 21.8 to 74.2 m³/hr; 364 to 1,237 l/min
- Operating pressure range: 4 to 8 bar; 400 to 800 kPa
- Precipitation rate: 60 mm/hr approximately
- Warranty period: 5 years for component parts

USER-INSTALLED OPTIONS

- Simulated concrete cover for attachment to the top of the flattened Infill Barrier System (used with vault): P/N ST-FRP-1600
- ST-approved adhesive for attaching artificial turf, track, or simulated concrete (ST-FRP-1600) to Infill Barrier System: P/N ST-ADH-K
- ST-1600 Short-Radius Nozzle Kit: P/N 959900
- Adapter (if needed), 2" (50 mm) male spigot x 2" (50 mm) male BSP: P/N 241400SP (Not for use with kit)
- DC-Latching Solenoid Kit: P/N ST-LSA

ST-1600-KIT-B



ST-1600-HS-B (High-Speed)

Overall height: 57 cm
Pop-up height: 13 cm
Diameter: 36 cm
Inlet size: 2" (50 mm) BSP*



ST-1600 / ST-1700 Tool

P/N 517600SP
For gear-drive installation and removal

ST-1600-KIT-B COMPONENTS

Figure	Components	Qty	Description
1	ST-1600-HS-B	1	High-speed pop-up, adjustable arc (40° to 360°), 50 mm BSP inlet
2	ST-243636-B	1	Composite vault
3	ST-BKT-1600	1	Rotor vault hanger and grade adjustment bracket for ST-1600-HS-B Rotor
4	ST-BVF30-K	1	Manifold butterfly valve and Victaulic® coupling fitting kit (includes galvanized grooved X male BSP rotor adapter fitting)
5	ST-V30-KV	1	80 mm metal control valve, 80 mm grooved Victaulic inlet/outlet fitting, 91 cm remotely located solenoid and on-off-auto selector manifold
6	ST-H30-K	1	Stainless steel inlet hose, 80 mm female NPT inlet
7	ST-SPT-K	2	Adjustable manifold support stand; two required per vault
8	ST-IBS-1600	1	Infill Barrier System Rubber Cover Kit for ST-1600-HS-B Rotor
9	ST-BKT-QCV	1	Hanger bracket for HQ-5-RC-BSP Quick Coupler
10	HQ-5-RC-BSP	1	Quick Coupler, 25 mm BSP inlet, 32 mm outlet for key

Victaulic is a trademark of Victaulic Company.

ST Infill Barrier System

ST-IBS-1600
Rubber Cover Kit with Infill Barrier System.

ST Adjustable Hanger Bracket

ST-BKT-1600
This bracket supports the rotor within the vault and provides vertical elevation adjustments, allowing for a perfect surface transition.

ST Manifold and Isolation Valve

ST-BVF30-K
Galvanised iron manifold, including 80 mm fitting, isolation valve, and drain valve.

ST H-Block Manifold Supports

ST-SPT-K
Adjustable support stands include a large footprint base made from recycled tire rubber and a 50 mm vertically adjustable support rail (two required under manifold).

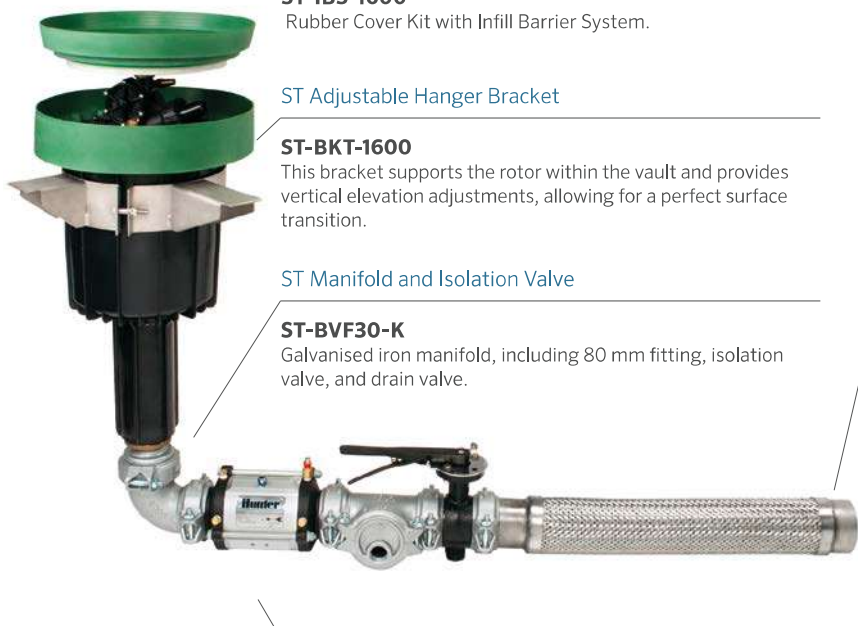


ST Flexible Stainless Steel Inlet Hose

ST-H30-K
80 mm ultra-flexible, corrugated, stainless steel hose with stainless steel support braiding.

ST Heavy-Duty, Slow-Opening Valve

ST-V30-KV
Heavy-duty 80 mm ultra-low-pressure-loss valve (0.15 bar; 15 kPa at 65 m³/hr; 1,082 l/min). Includes on-off-auto selector and solenoid (not shown).



ST-1600 NOZZLE PERFORMANCE DATA*

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
16 ● Black	4.0	400	32.5	21.8	364	41.4	47.8
	5.0	500	35.0	24.4	406	39.8	45.9
	6.0	600	37.0	26.8	446	39.1	45.1
	7.0	700	39.0	28.9	482	38.0	43.9
18 ● Black	4.0	400	34.0	24.3	405	42.0	48.6
	5.0	500	37.0	27.1	452	39.6	45.8
	6.0	600	39.0	29.8	496	39.1	45.2
	7.0	700	40.5	32.1	535	39.1	45.2
20 ● Black	4.0	400	35.0	32.7	545	53.4	61.7
	5.0	500	39.0	36.5	609	48.1	55.5
	6.0	600	43.0	40.1	668	43.4	50.1
	7.0	700	44.0	43.3	721	44.7	51.6
22 ● Black	4.0	400	36.0	38.9	649	60.1	69.4
	5.0	500	39.5	43.6	726	55.8	64.5
	6.0	600	44.0	47.7	795	49.3	56.9
	7.0	700	47.0	51.5	859	46.7	53.9
24 ● Black	4.0	400	37.0	45.9	765	67.1	77.4
	5.0	500	40.5	51.3	855	62.6	72.2
	6.0	600	45.0	56.2	937	55.5	64.1
	7.0	700	47.5	60.7	1,012	53.8	62.2
26 ● Black	4.0	400	38.4	53.0	883	71.8	82.9
	5.0	500	41.4	59.2	986	68.8	79.5
	6.0	600	46.0	64.6	1,077	61.0	70.4
	7.0	700	48.7	69.7	1,162	58.6	67.7
	8.0	800	50.3	74.2	1,237	58.7	67.8

Note:
All precipitation rates are calculated for 180° operation.
For the precipitation rate of a 360° sprinkler, divide by 2.
*All radius measurements are taken at standard rotation speeds. Slowing rotation to the minimum rotation speed will add 3+ m to the radius.

SEAMLESS INTEGRATION

Blends in perfectly with the surrounding synthetic surface.



ST VAULTS

The heavy-duty, tapered fibreglass and polymer-concrete construction includes precast holes for the rotor, quick coupler valve, and remote manifold assembly.

Quick couplers provide a convenient source of water for washing down spills and water-soluble paint. The integrated in-vault design eliminates the need for additional quick coupler enclosures.

The ST-V30-KV Valve Kit includes a remotely located on-off-auto selector and solenoid manifold assembly. These convenient features bring valve manual control functions and solenoid splice connections closer to the surface for easy access.

ST-243636-B: Includes 76 mm thick, 4-piece PC cover set

Main cover: 61 cm x 91 cm
Overall height: 91 cm
Body weight: 70 kg
Total weight: 138 kg
Base pad: 106 cm x 122 cm
Quick-access ports: 2



① Quick Coupler ② On-Off-Auto Selector



MP ROTATOR™



ADVANCED FEATURES

AUTOMATIC MATCHED PRECIPITATION

MP Rotator Nozzles adjust the flow rate through the nozzle as the radius and arc are changed, resulting in the same matched precipitation rate regardless of the nozzle setting.

DOUBLE-POP FEATURE

MP Rotator Nozzles pop up from their protected position only after the riser is fully extended, providing superior defence against dirt and debris.



HIGH DISTRIBUTION UNIFORMITY

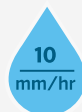
The multiple streams of the MP Rotator Nozzle target all areas of the landscape evenly, resulting in superior uniformity over traditional spray nozzles and better wind resistance.

LOW PRECIPITATION RATE

Since the majority of soils have a water infiltration rate of less than 25 mm/hr, irrigating at a low precipitation rate is essential to reduce runoff and increase efficiency.

The Standard MP Rotator Nozzle applies water at 10 mm/hr, while the MP800 Nozzle model has a precipitation rate of 20 mm/hr. Either choice will avoid runoff, save water, and prevent erosion.

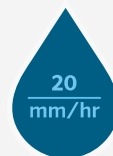
STANDARD MP Rotator Nozzles



2.5 to 10.7 m

- Maximum water efficiency
- Slowest precipitation rate

MP ROTATOR MP800 Nozzles



1.8 to 4.9 m

- Small spaces
- Tight water windows

MP ROTATOR Strip Nozzles



1.5 m wide

- Rectangular spaces
- Pair with either option

ECO-ROTATOR

Radius: 2.5 to 9.1 m

This compact sprinkler comes with a pre-installed MP Rotator™ Nozzle that provides up to 30% more water savings over traditional spray nozzles.

KEY BENEFITS

- Automatic matched precipitation for simplified irrigation design and flexibility
- High distribution uniformity for a healthy landscape and maximum water efficiency
- Double-pop feature protects the nozzle from external debris
- Large inlet filter screen protects the nozzle from internal debris in the system
- Heavy-duty spring for consistent riser retraction

ADDITIONAL FEATURES

- Wind-resistant, multi-stream technology prevents misting
- For vandal resistance, the arc is adjustable only when the MP Rotator Nozzle is running
- Colour-coded for easy field identification
- Two-piece ratcheting riser

OPERATING SPECIFICATIONS

- Low precipitation rate
- Radius range: 1.8 to 9.1 m
- Operational pressure range: 1.7 to 3.8 bar; 170 to 380 kPa
- Recommended operating pressure: 2.8 bar; 280 kPa
- Warranty period: 2 years

USER-INSTALLED OPTION

- Drain Check Valve (up to 2 m of elevation; P/N 462237SP)



Eco-Rotator

Retracted height: 18 cm
Pop-up height: 10 cm
Exposed diameter: 3 cm
Inlet size: ½"

ECO-ROTATOR PERFORMANCE DATA

ECO-04 MP800SR

Radius: 1.8 to 3.5 m

Adjustable Arc and Full-Circle

● Orange and Grey: 90° to 210°

● Lime Green and Grey: 360°

MAX RADIUS								MIN RADIUS			
Arc	Pressure		Radius	Flow		Precip. mm/hr		Radius	Flow		
	bar	kPa		m	m ³ /hr	l/min	■		▲	m	m ³ /hr
90° ■	2.1	210	2.6	0.04	0.61	22	25	1.8	0.03	0.49	
	2.5	250	2.9	0.04	0.72	21	24	2.1	0.03	0.55	
	2.8	280	3.1	0.05	0.87	21	24	2.4	0.04	0.61	
	3.0	300	3.4	0.06	0.95	20	23	2.4	0.04	0.68	
	3.5	350	3.5	0.06	1.02	20	23	2.7	0.04	0.72	
	3.8	380	3.5	0.06	1.06	20	23	3.0	0.05	0.76	
180° ■	2.1	210	2.6	0.07	1.21	22	25	1.8	0.06	0.98	
	2.5	250	2.8	0.08	1.40	21	24	2.1	0.07	1.10	
	2.8	280	3.0	0.10	1.59	21	24	2.4	0.07	1.21	
	3.0	300	3.3	0.10	1.74	19	22	2.4	0.08	1.36	
	3.5	350	3.4	0.11	1.82	19	22	2.7	0.09	1.44	
	3.8	380	3.5	0.11	1.89	18	21	3.0	0.09	1.51	
210° ■	2.1	210	2.6	0.08	1.40	22	25	1.8	0.07	1.15	
	2.5	250	2.8	0.10	1.67	22	25	2.1	0.08	1.28	
	2.8	280	3.0	0.11	1.85	21	24	2.4	0.08	1.41	
	3.0	300	3.2	0.12	2.01	20	23	2.4	0.10	1.59	
	3.5	350	3.4	0.13	2.12	19	22	2.7	0.10	1.68	
	3.8	380	3.5	0.13	2.20	18	21	3.0	0.11	1.77	
360° ●	2.1	210	2.6	0.14	2.38	22	25	1.8	0.11	1.78	
	2.5	250	2.8	0.16	2.65	20	23	2.1	0.12	1.97	
	2.8	280	3.0	0.18	2.95	20	23	2.4	0.13	2.12	
	3.0	300	3.1	0.19	3.22	20	23	2.4	0.13	2.23	
	3.5	350	3.3	0.20	3.33	19	21	2.7	0.14	2.38	
	3.8	380	3.5	0.22	3.71	18	21	3.0	0.16	2.65	

Bold = Recommended pressure

ECO-ROTATOR	
Model	Description
ECO-04-800SR-90	10 cm pop-up, MP800SR 1.8 to 3.5 m radius, adjustable from 90° to 210°
ECO-04-800SR-360	10 cm pop-up, MP800SR 1.8 to 3.5 m radius, 360°
ECO-04-1090	10 cm pop-up, MP1000 2.5 to 4.5 m radius, adjustable from 90° to 210°
ECO-04-10360	10 cm pop-up, MP1000 2.5 to 4.5 m radius, 360°
ECO-04-2090	10 cm pop-up, MP2000 4.0 to 6.4 m radius, adjustable from 90° to 210°
ECO-04-20360	10 cm pop-up, MP2000 4.0 to 6.4 m radius, 360°
ECO-04-3090	10 cm pop-up, MP3000 6.7 to 9.1 m radius, adjustable from 90° to 210°
ECO-04-30360	10 cm pop-up, MP3000 6.7 to 9.1 m radius, 360°

Eco-Rotator



ECO-ROTATOR PERFORMANCE DATA

Arc	Pressure		ECO-04 MP1000 Radius: 2.5 to 4.5 m Adjustable Arc and Full-Circle ● Maroon: 90° to 210° ● Olive: 360°					ECO-04 MP2000 Radius: 4.0 to 6.4 m Adjustable Arc and Full-Circle ● Black: 90° to 210° ● Red: 360°					ECO-04 MP3000 Radius: 6.7 to 9.1 m Adjustable Arc and Full-Circle ● Blue: 90° to 210° ● Grey: 360°				
	bar	kPa	Radius m	Flow m ³ /hr	Flow l/min	Precip mm/hr	▲	Radius m	Flow m ³ /hr	Flow l/min	Precip mm/hr	▲	Radius m	Flow m ³ /hr	Flow l/min	Precip mm/hr	▲
90° 🔹	2.1	210	3.7	0.04	0.64	11	13	5.5	0.09	1.44	12	13	8.2	0.17	2.88	10	12
	2.5	250	4.0	0.04	0.72	11	13	5.8	0.09	1.52	11	13	8.5	0.19	3.11	10	12
	2.8	280	4.1	0.05	0.80	11	13	6.1	0.10	1.63	11	12	9.1	0.20	3.26	10	11
	3.0	300	4.3	0.05	0.87	11	13	6.4	0.11	1.74	10	12	9.1	0.21	3.41	10	12
	3.5	350	4.5	0.06	0.95	11	13	6.4	0.11	1.78	11	12	9.1	0.22	3.60	11	12
180° 🔸	2.1	210	3.7	0.08	1.29	11	13	5.2	0.15	2.43	11	13	8.2	0.36	5.99	11	12
	2.5	250	4.0	0.09	1.44	11	13	5.5	0.16	2.69	11	12	8.5	0.39	6.44	11	12
	2.8	280	4.1	0.10	1.59	11	13	5.8	0.18	2.92	11	12	9.1	0.42	6.90	10	12
	3.0	300	4.3	0.10	1.67	11	13	6.1	0.20	3.22	11	12	9.1	0.44	7.31	11	12
	3.5	350	4.5	0.12	1.90	11	13	6.4	0.21	3.45	10	12	9.1	0.47	7.73	11	13
210° 🔹	2.1	210	3.7	0.09	1.52	12	13	5.2	0.17	2.84	11	13	8.2	0.42	6.97	11	12
	2.5	250	4.0	0.10	1.71	11	13	5.5	0.19	3.07	11	12	8.5	0.46	7.54	11	13
	2.8	280	4.1	0.11	1.86	11	13	5.8	0.20	3.26	10	12	9.1	0.49	8.03	10	12
	3.0	300	4.3	0.12	1.93	11	13	6.1	0.21	3.45	10	11	9.1	0.52	8.53	11	12
	3.5	350	4.5	0.13	2.16	11	13	6.4	0.23	3.71	9	11	9.1	0.55	8.98	11	13
360° ●	2.1	210	3.7	0.16	2.62	12	13	5.2	0.29	4.85	11	13	8.2	0.72	11.94	11	12
	2.5	250	4.0	0.18	2.92	11	13	5.5	0.32	5.19	10	12	8.5	0.78	12.89	11	12
	2.8	280	4.1	0.19	3.18	11	13	5.8	0.34	5.61	10	12	9.1	0.84	13.80	10	12
	3.0	300	4.3	0.20	3.34	11	13	6.1	0.36	5.95	10	11	9.1	0.89	14.63	11	12
	3.5	350	4.5	0.23	3.71	11	13	6.4	0.39	6.37	9	11	9.1	0.94	15.43	11	13
	3.8	380	4.5	0.23	3.83	11	13	6.4	0.40	6.59	10	11	9.1	0.98	16.18	12	14

Bold = Recommended pressure

STANDARD MP ROTATOR™

The MP Rotator Nozzle is the most trusted high-efficiency solution on the market, offering up to 30% water savings over traditional spray nozzles.

Radius: 2.5 to 10.7 m

10
mm/hr

KEY BENEFITS

- Lowest precipitation rate in the industry of approximately 10 mm/hr
- Matched precipitation for simplified irrigation design and flexibility
- Double-pop feature protects the nozzle from external debris
- High distribution uniformity for a healthy landscape with maximum water efficiency

ADDITIONAL FEATURES

- Wind-resistant, multi-stream technology prevents misting
- For vandal resistance, the arc is adjustable only when the MP Rotator Nozzle is running
- Removable filter screen prevents nozzle from clogging
- Colour-coded for easy identification

OPERATING SPECIFICATIONS

- Radius reduction up to approximately 25% on all models
- Recommended operating pressure: 2.8 bar; 280 kPa
- Minimum radius setting achieved at 2.1 bar; 210 kPa
- Warranty period: 3 years

OPTIONS

- Pair with Pro-Spray™ PRS40 Sprinkler Body for pressure regulation to 2.8 bar; 280 kPa for nominal radius settings
- Pair with Pro-Spray PRS30 Sprinkler Body for pressure regulation to 2.1 bar; 210 kPa for minimum radius settings

MP ROTATOR - SPECIFICATION BUILDER: ORDER 1 + 2

1 Model	2 Options
MP1000-90 = 2.5 to 4.5 m radius, adjustable from 90° to 210°	(blank) = No option HT = Male threaded version <i>(Not available in 3500 and 1000-210)</i>
MP1000-210 = 2.5 to 4.5 m radius, adjustable from 210° to 270°	
MP1000-360 = 2.5 to 4.5 m radius, 360°	
MP2000-90 = 4.0 to 6.4 m radius, adjustable from 90° to 210°	
MP2000-210 = 4.0 to 6.4 m radius, adjustable from 210° to 270°	
MP2000-360 = 4.0 to 6.4 m radius, 360°	
MP3000-90 = 6.7 to 9.1 m radius, adjustable from 90° to 210°	
MP3000-210 = 6.7 to 9.1 m radius, adjustable from 210° to 270°	
MP3000-360 = 6.7 to 9.1 m radius, 360°	
MP3500-90 = 9.4 to 10.7 m radius, adjustable from 90° to 210°	
MPLCS-515 = Left corner strip, 1.5 m x 4.6 m	
MPRCS-515 = Right corner strip, 1.5 m x 4.6 m	
MPSS-530 = Side strip, 1.5 m x 9.1 m	
MP-CORNER = 2.5 to 4.5 m radius, adjustable from 45° to 105°	

MP1000: 2.5 to 4.5 m radius



MP1000-90
90° to 210°



MP1000-210
210° to 270°



MP1000-360
360°

MP2000: 4.0 to 6.4 m radius



MP2000-90
90° to 210°



MP2000-210
210° to 270°



MP2000-360
360°

MP3000: 6.7 to 9.1 m radius



MP3000-90
90° to 210°



MP3000-210
210° to 270°



MP3000-360
360°

MP3500: 9.4 to 10.7 m radius



MP3500-90
90° to 210°

MP ROTATOR PERFORMANCE DATA

MP1000

Radius: 2.5 to 4.5 m
Adjustable Arc and Full-Circle
● Maroon: 90° to 210°
● Lt. Blue: 210° to 270°
● Olive: 360°

MP2000

Radius: 4.0 to 6.4 m
Adjustable Arc and Full-Circle
● Black: 90° to 210°
● Green: 210° to 270°
● Red: 360°

MP3000

Radius: 6.7 to 9.1 m
Adjustable Arc and Full-Circle
● Blue: 90° to 210°
● Yellow: 210° to 270°
● Grey: 360°

Arc	Pressure		Radius m	Flow m ³ /hr	Flow l/min	Precip mm/hr		Radius m	Flow m ³ /hr	Flow l/min	Precip mm/hr		Radius m	Flow m ³ /hr	Flow l/min	Precip mm/hr	
	bar	kPa				■	▲				■	▲				■	▲
90° ◐	2.1	210	3.7	0.04	0.64	11	13	5.5	0.09	1.44	12	13	8.2	0.17	2.88	10	12
	2.5	250	4.0	0.04	0.72	11	13	5.8	0.09	1.52	11	13	8.5	0.19	3.11	10	12
	2.8	280	4.1	0.05	0.80	11	13	6.1	0.10	1.63	11	12	9.1	0.20	3.26	10	11
	3.0	300	4.3	0.05	0.87	11	13	6.4	0.11	1.74	10	12	9.1	0.21	3.41	10	12
	3.5	350	4.5	0.06	0.95	11	13	6.4	0.11	1.78	11	12	9.1	0.22	3.60	11	12
3.8	380	4.5	0.06	1.02	12	14	6.4	0.11	1.82	11	12	9.1	0.23	3.83	11	13	
180° ◑	2.1	210	3.7	0.08	1.29	11	13	5.2	0.15	2.43	11	13	8.2	0.36	5.99	11	12
	2.5	250	4.0	0.09	1.44	11	13	5.5	0.16	2.69	11	12	8.5	0.39	6.44	11	12
	2.8	280	4.1	0.10	1.59	11	13	5.8	0.18	2.92	11	12	9.1	0.42	6.90	10	12
	3.0	300	4.3	0.10	1.67	11	13	6.1	0.20	3.22	11	12	9.1	0.44	7.31	11	12
	3.5	350	4.5	0.12	1.90	11	13	6.4	0.21	3.45	10	12	9.1	0.47	7.73	11	13
3.8	380	4.5	0.12	1.93	12	13	6.4	0.22	3.60	11	12	9.1	0.49	8.07	12	14	
210° ◒	2.1	210	3.7	0.09	1.52	12	13	5.2	0.17	2.84	11	13	8.2	0.42	6.97	11	12
	2.5	250	4.0	0.10	1.71	11	13	5.5	0.19	3.07	11	12	8.5	0.46	7.54	11	13
	2.8	280	4.1	0.11	1.86	11	13	5.8	0.20	3.26	10	12	9.1	0.49	8.03	10	12
	3.0	300	4.3	0.12	1.93	11	13	6.1	0.21	3.45	10	11	9.1	0.52	8.53	11	12
	3.5	350	4.5	0.13	2.16	11	13	6.4	0.23	3.71	9	11	9.1	0.55	8.98	11	13
3.8	380	4.5	0.14	2.24	11	13	6.4	0.23	3.83	10	11	9.1	0.57	9.44	12	14	
270° ◓	2.1	210	3.7	0.11	1.82	11	12	5.2	0.22	3.60	11	12	8.2	0.55	8.98	11	12
	2.5	250	4.0	0.12	2.01	10	12	5.5	0.24	3.90	10	12	8.5	0.59	9.66	11	12
	2.8	280	4.1	0.14	2.39	11	13	5.8	0.25	4.17	10	12	9.1	0.63	10.35	10	12
	3.0	300	4.3	0.15	2.54	11	13	6.1	0.27	4.43	10	11	9.1	0.66	10.95	11	12
	3.5	350	4.5	0.17	2.73	11	13	6.4	0.28	4.66	9	11	9.1	0.70	11.60	11	13
3.8	380	4.5	0.17	2.84	11	13	6.4	0.30	4.93	10	11	9.1	0.74	12.20	12	14	
360° ●	2.1	210	3.7	0.16	2.62	12	13	5.2	0.29	4.85	11	13	8.2	0.72	11.94	11	12
	2.5	250	4.0	0.18	2.92	11	13	5.5	0.32	5.19	10	12	8.5	0.78	12.89	11	12
	2.8	280	4.1	0.19	3.18	11	13	5.8	0.34	5.61	10	12	9.1	0.84	13.80	10	12
	3.0	300	4.3	0.20	3.34	11	13	6.1	0.36	5.95	10	11	9.1	0.89	14.63	11	12
	3.5	350	4.5	0.23	3.71	11	13	6.4	0.39	6.37	9	11	9.1	0.94	15.43	11	13
3.8	380	4.5	0.23	3.83	11	13	6.4	0.40	6.59	10	11	9.1	0.98	16.18	12	14	

Bold = Optimal pressure for the MP Rotator Nozzle is 2.8 bar; 280 kPa. This can easily be achieved by using it with the pressure-regulated Pro-Spray PRS40 Sprinkler Body at 2.8 bar; 280 kPa.

Works best with Pro-Spray PRS40



Smart WaterMark
Recognised as a responsible water-saving tool




Compatible with:



Pro-Spray PRS40
Page 72

MP ROTATOR PERFORMANCE DATA

MP3500
 Radius: 9.4 to 10.7 m
 Adjustable Arc
 ● Light Brown: 90° to 210°

Arc	Pressure		Radius m	Flow m ³ /hr	Flow l/min	Precip. mm/hr	
	bar	kPa				■	▲
90° 	2.1	210	10.4	0.26	4.28	10	11
	2.5	250	10.4	0.28	4.58	10	12
	2.8	280	10.7	0.29	4.84	10	12
	3.0	300	10.7	0.31	5.22	11	13
	3.5	350	10.7	0.33	5.41	11	13
	3.8	380	10.7	0.34	5.68	12	14
180° 	2.1	210	10.4	0.51	8.48	9	11
	2.5	250	10.4	0.60	10.03	11	13
	2.8	280	10.7	0.65	10.83	11	13
	3.0	300	10.7	0.70	11.73	12	14
	3.5	350	10.7	0.73	12.15	13	15
	3.8	380	10.7	0.75	12.41	13	15
210° 	2.1	210	10.4	0.65	10.75	10	12
	2.5	250	10.4	0.70	11.66	11	13
	2.8	280	10.7	0.75	12.45	11	13
	3.0	300	10.7	0.80	13.40	12	14
	3.5	350	10.7	0.85	14.23	13	15
	3.8	380	10.7	0.90	14.91	13	16




Bold = Optimal pressure for the MP Rotator Nozzle is 2.8 bar; 280 kPa. This can easily be achieved by using it with the pressure-regulated Pro-Spray PRS40 Sprinkler Body at 2.8 bar; 280 kPa.

MP3500



MP ROTATOR PERFORMANCE DATA

● **MPLCS-515**: Ivory, MP Left Corner Strip
 ● **MPRCS-515**: Copper, MP Right Corner Strip
 ● **MPSS-530**: Brown, MP Side Strip

	Pressure		Radius m	Flow m ³ /hr	Flow l/min	Precip. mm/hr	
	bar	kPa				■	▲
MP Left Corner Strip 	2.1	210	1.2 x 4.2	0.04	0.64	31	15
	2.5	250	1.4 x 4.4	0.04	0.68	27	13
	2.8	280	1.5 x 4.5	0.04	0.72	26	13
	3.0	300	1.6 x 4.6	0.05	0.79	26	13
	3.5	350	1.7 x 4.7	0.05	0.87	26	13
	3.8	380	1.8 x 4.8	0.05	0.91	25	13
MP Right Corner Strip 	2.1	210	1.2 x 4.2	0.04	0.64	31	15
	2.5	250	1.4 x 4.4	0.04	0.68	27	13
	2.8	280	1.5 x 4.5	0.04	0.72	26	13
	3.0	300	1.6 x 4.6	0.05	0.79	26	13
	3.5	350	1.7 x 4.7	0.05	0.87	26	13
	3.8	380	1.8 x 4.8	0.05	0.91	25	13
MP Side Strip 	2.1	210	1.2 x 8.4	0.07	1.25	30	15
	2.5	250	1.4 x 8.7	0.08	1.36	27	13
	2.8	280	1.5 x 9.0	0.09	1.44	26	13
	3.0	300	1.6 x 9.3	0.09	1.55	25	13
	3.5	350	1.7 x 9.6	0.10	1.67	24	12
	3.8	380	1.8 x 9.9	0.11	1.79	24	12

MP Rotator Strip Nozzles



MPLCS-515
Left Corner Strip
1.5 x 4.6 m



MPRCS-515
Right Corner Strip
1.5 x 4.6 m



MPSS-530
Side Strip
1.5 x 9.1 m



Notes:

To match the precipitation rate of MP Rotator MP800 Nozzles, use rectangular spacing.

See **page 204** for precipitation rate calculation.

MP ROTATOR PERFORMANCE DATA

MP Corner
 Radius: 2.5 to 4.5 m
 Adjustable Arc
 ● Turquoise: 45° to 105°

Arc	Pressure		Radius m	Flow m ³ /hr	Flow l/min
	bar	kPa			
45° ▶	2.1	210	3.5	0.04	0.61
	2.5	250	4.0	0.04	0.68
	2.8	280	4.1	0.04	0.70
	3.0	300	4.3	0.04	0.73
	3.5	350	4.4	0.05	0.78
90° ◐	2.1	210	3.5	0.08	1.27
	2.5	250	4.0	0.08	1.40
	2.8	280	4.1	0.09	1.44
	3.0	300	4.3	0.09	1.57
	3.5	350	4.4	0.10	1.67
105° ◑	2.1	210	3.5	0.09	1.48
	2.5	250	4.0	0.10	1.63
	2.8	280	4.1	0.10	1.70
	3.0	300	4.3	0.11	1.83
	3.5	350	4.4	0.12	1.94
3.8	380	4.5	0.12	2.00	

MP Corner



MP-CORNER
 Corner
 2.5 to 4.5 m

Male Threaded



MP-HT
 Male Threaded

MP Accessories



MPTOOL
 Adjusts all MP Rotator
 Nozzles



MPSTICK
 Snaps onto any length of
 1" (25 mm) PVC to allow
 standing adjustment.
PVC pipe not included.

MP Corner



MP Tool for easy adjustments



MP ROTATOR™ MP800

The MP800 offers a higher precipitation rate perfect for small spaces and spray retrofits.

Radius: 1.8 to 4.9 m

20
mm/hr

KEY BENEFITS

- Precipitation rate of approximately 20 mm/hr for spray retrofit applications
- Automatic matched precipitation for simplified irrigation design and flexibility
- Double-pop feature protects the nozzle from external debris
- High distribution uniformity for a healthy landscape with maximum water efficiency

ADDITIONAL FEATURES

- Wind-resistant, multi-stream technology prevents misting
- For vandal resistance, the arc is adjustable only when the MP Rotator Nozzle is running
- Removable filter screen prevents nozzle clogging
- Colour-coded for easy identification

OPERATING SPECIFICATIONS

- Radius reduction up to approximately 25% on all models
- Recommended operating pressure: 2.8 bar; 280 kPa
- Minimum radius setting achieved at 2.1 bar; 210 kPa
- Filtration recommended on dirty water applications
- Warranty period: 3 years

OPTIONS

- Pair with Pro-Spray™ PRS40 Sprinkler Body for pressure regulation to 2.8 bar; 280 kPa for nominal radius settings
- Pair with Pro-Spray PRS30 Sprinkler Body for pressure regulation to 2.1 bar; 210 kPa for minimum radius settings

MP800SR: 1.8 m to 3.5 m radius



MP800SR-90
90° to 210°



MP800SR-360
360°

MP815: 2.5 m to 4.9 m radius



MP815-90
90° to 210°



MP815-210
210° to 270°



MP815-360
360°

Compatible with:



HY Filter
Page 168



PRS30 and PRS40
Page 70 and
Page 72

MP800SR-90







MP815-90



MP ROTATOR PERFORMANCE DATA

MP800SR

Radius: 1.8 to 3.5 m
Adjustable Arc and Full-Circle
● Orange and Grey: 90° to 210°
● Lime Green and Grey: 360°






MAX RADIUS								MIN RADIUS			
Arc	Pressure		Radius	Flow		Precip. mm/hr		Radius		Flow	
	bar	kPa		m ³ /hr	l/min	■	▲	m	m ³ /hr	l/min	
90° 	2.1	210	2.6	0.04	0.61	22	25	1.8	0.03	0.49	
	2.5	250	2.9	0.04	0.72	21	24	2.1	0.03	0.55	
	2.8	280	3.1	0.05	0.87	21	24	2.4	0.04	0.61	
	3.0	300	3.4	0.06	0.95	20	23	2.4	0.04	0.68	
	3.5	350	3.5	0.06	1.02	20	23	2.7	0.04	0.72	
180° 	2.1	210	2.6	0.07	1.21	22	25	1.8	0.06	0.98	
	2.5	250	2.8	0.08	1.40	21	24	2.1	0.07	1.10	
	2.8	280	3.0	0.10	1.59	21	24	2.4	0.07	1.21	
	3.0	300	3.3	0.10	1.74	19	22	2.4	0.08	1.36	
	3.5	350	3.4	0.11	1.82	19	22	2.7	0.09	1.44	
210° 	2.1	210	2.6	0.08	1.40	22	25	1.8	0.07	1.15	
	2.5	250	2.8	0.10	1.67	22	25	2.1	0.08	1.28	
	2.8	280	3.0	0.11	1.85	21	24	2.4	0.08	1.41	
	3.0	300	3.2	0.12	2.01	20	23	2.4	0.10	1.59	
	3.5	350	3.4	0.13	2.12	19	22	2.7	0.10	1.68	
360° 	2.1	210	2.6	0.14	2.38	22	25	1.8	0.11	1.78	
	2.5	250	2.8	0.16	2.65	20	23	2.1	0.12	1.97	
	2.8	280	3.0	0.18	2.95	20	23	2.4	0.13	2.12	
	3.0	300	3.1	0.19	3.22	20	23	2.4	0.13	2.23	
	3.5	350	3.3	0.20	3.33	19	21	2.7	0.14	2.38	
3.8	380	3.5	0.22	3.71	18	21	3.0	0.16	2.65		

Bold = Optimal pressure for the MP Rotator Nozzle is 2.8 bar; 280 kPa. This can easily be achieved by using it with the pressure-regulated Pro-Spray PRS40 Sprinkler Body at 2.8 bar; 280 kPa.

MP ROTATOR PERFORMANCE DATA

MP815

Radius: 2.5 to 4.9 m
Adjustable Arc and Full-Circle
● Maroon and Grey: 90° to 210°
● Lt. Blue and Grey: 210° to 270°
● Olive and Grey: 360°

Arc	Pressure		Radius	Flow		Precip. mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
90° 	2.1	210	4.3	0.10	1.59	21	24
	2.5	250	4.5	0.10	1.74	21	24
	2.8	280	4.6	0.11	1.85	21	24
	3.1	310	4.8	0.12	1.97	21	24
	3.5	350	4.9	0.12	2.08	21	24
180° 	2.1	210	4.0	0.17	2.84	21	25
	2.5	250	4.3	0.20	3.26	21	24
	2.8	280	4.5	0.21	3.52	21	24
	3.1	310	4.6	0.22	3.63	21	24
	3.5	350	4.8	0.24	4.01	21	24
210° 	2.1	210	4.0	0.20	3.33	21	25
	2.5	250	4.3	0.22	3.63	20	23
	2.8	280	4.5	0.25	4.16	21	24
	3.1	310	4.6	0.26	4.39	21	25
	3.5	350	4.8	0.28	4.69	21	24
270° 	2.1	210	4.0	0.26	4.31	22	25
	2.5	250	4.3	0.28	4.69	20	23
	2.8	280	4.5	0.32	5.30	21	24
	3.1	310	4.6	0.33	5.56	21	24
	3.5	350	4.8	0.35	5.83	20	23
360° 	2.1	210	4.0	0.35	5.75	22	25
	2.5	250	4.3	0.39	6.43	21	24
	2.8	280	4.5	0.42	7.08	21	24
	3.1	310	4.6	0.45	7.57	21	25
	3.5	350	4.8	0.48	8.06	21	24
3.8	380	4.9	0.51	8.55	21	25	

MP ROTATOR STAKE KIT

Models: **Standard and Pressure-Regulated Staking Kits**

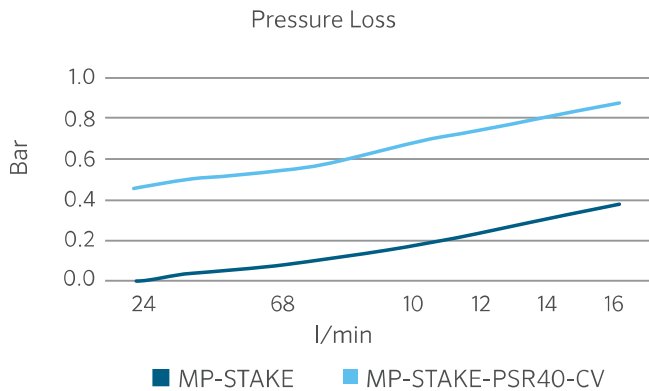
Designed for easy implementation with any water-efficient MP Rotator Nozzle, MP Stake Kits come preassembled for quick installation in the field.

KEY BENEFITS

- Pair with any high-efficiency MP Rotator Nozzle to simplify temporary irrigation
- Preassembled for fast and easy installation in the field
- Standard kit includes a 66 cm stake, nozzle adapter, 0.345" (9 mm) tubing, and ½" threaded male fitting for quick connection
- For maximum water savings, upgrade to a 2.8 bar (280 kPa) pressure regulator and Hunter Check Valve

OPERATING SPECIFICATIONS

- Operational pressure range: 2.1 to 4.8 bar (210 to 480 kPa)



MP-STAKE

Total height: 71 cm
Male threaded connection: ½"

MP-STAKE-PSR40-CV

Total height: 86 cm
Male threaded connection: ½"

Compatible with:



All MP Rotator Nozzles
Page 54 and 58



Spray Nozzles
Page 75

MP-STAKE-PSR40-CV Installation



MP-STAKE MODELS	
Model	Description
MP-STAKE	66 cm stake, 0.345" (9 mm) tubing to ½" male fitting, PROS-00 shrub adapter (total height: 71 cm)
MP-STAKE-PSR40-CV	66 cm stake, 0.345" (9 mm) tubing to ½" male fitting, Hunter Check Valve, PROS-00-PSR40 pressure-regulated shrub adapter (total height: 86 cm)



ENGINEERED FOR *MAXIMUM EFFICIENCY*

DURABLE

With only one moving part, the MP Rotator is built with the highest-quality materials to ensure long-lasting performance in every installation.

FLEXIBLE

Matched precipitation across 1.5 m wide strips to 10.7 m radius allows the MP Rotator to fit a wide range of landscapes with uniform coverage for healthy plants.

EFFICIENT

The rotating streams of water cut through wind, reduce misting, and distribute water at a slow, even rate that soils can better absorb, preventing runoff.

RELIABLE

With more than 15 years of proven performance with Hunter Industries, the MP Rotator is the most trusted high-efficiency nozzle on the market.



**SPRAY
SPRINKLER
BODIES**



SPRAY SPRINKLER BODY

ADVANCED FEATURES

STRENGTH & DURABILITY



CO-MOULDED WIPER SEAL

Moulded with two types of chemical- and chlorine-resistant materials, this multi-function wiper seal reduces flow-by, allowing more heads on one zone, and prevents debris from entering the seal, reducing riser stick-ups.

FLOGUARD™ TECHNOLOGY



In the event of a missing nozzle, FloGuard Technology reduces the flow of water from the riser to a 1.9 l/min (3 m tall) indicator stream, eliminating water waste and preventing landscape erosion while providing a visual indicator for repair.



HEAVY-DUTY SPRING

The industry's strongest spring offers positive retraction under any conditions.



CHECK VALVE

Optional field- or factory-installed check valves eliminate leaks and puddles at the lower heads, protecting landscapes from damage and erosion while reducing water waste.



PRESSURE-REGULATED TO 2.1 & 2.8 BAR

Pressure-regulated Pro-Spray™ Sprinkler Bodies optimise the performance of the nozzle, reducing flow rates and preventing misting. The brown PRS30 model regulates pressures to 2.1 bar; 210 kPa for spray nozzles. The grey PRS40 model regulates pressures to 2.8 bar; 280 kPa when paired with the efficient MP Rotator Nozzle.

INDUSTRY'S STRONGEST SPRAY BODY



The Pro-Spray line incorporates a heavy-duty ribbed body and durable cap engineered to withstand the harshest environments, including the rigors of foot traffic and the abuses of heavy machinery. In addition, the buttress thread design provides superior strength in cap-to-body gripping capacity, helping the head to withstand high inlet surge pressures.

PRO-SPRAY



COMPETITOR







INNOVATIVE SEAL DESIGN

Pedestrian traffic, landscape equipment, temperature changes, and cycling pressures can cause body caps to loosen. Pro-Spray caps can withstand more than one full 360° turn and remain sealed at any pressure, preventing excess runoff.

Pro-Spray: Seal remains intact

Competitor: Significant leaking at the body cap

SPRAY SPRINKLER BODY COMPARISON CHART

QUICK SPECS		 PS ULTRA	 PRO-SPRAY®	 PRO-SPRAY PRS30	 PRO-SPRAY PRS40
		Good	Better	Best for Spray Nozzles	Best for MP Rotator™ Nozzles
POP-UP HEIGHT	cm	5, 10, 15	Shrub, 5, 7.5, 10, 15, 30	Shrub, 7.5, 10, 15, 30	Shrub, 7.5, 10, 15, 30
PRESSURE-REGULATED	bar	N/A	N/A	2.1	2.8
	kPa	N/A	N/A	210	280
FEATURES					
PREINSTALLED NOZZLE		5SS, 8A, 10A, 12A, 15A, 17A	N/A	N/A	N/A
CAP COLOUR		Black	Black	Brown	Grey
CHECK VALVES		Field-Installed	Field-Installed or Factory-Installed	Field-Installed or Factory-Installed	Field-Installed or Factory-Installed
WARRANTY		2 Years	5 Years	5 Years	5 Years
ADVANCED FEATURES					
BODY STYLE		Slim Line	Rugged Body	Rugged Body	Rugged Body
SPRING		Standard	Heavy-Duty	Heavy-Duty	Heavy-Duty
CO-MOULDED WIPER SEAL			●	●	●
RECLAIMED CAP			●	●	●
PRESSURE REGULATION				●	●
FLOGUARD™ TECHNOLOGY				●	●
APPLICATIONS					
TURFGRASS		●	●	●	●
TURFGRASS: TALL MOWING HEIGHT		●	●	●	●
SHRUBS: SPRINKLERS ON RISERS			●	●	●
SHRUBS: TALL POP-UP SPRINKLERS			●	●	●
RESIDENTIAL		●	●	●	●
COMMERCIAL/MUNICIPALITIES			●	●	●
HIGH-TRAFFIC AREAS			●	●	●
RECLAIMED WATER			●	●	●

PS ULTRA

The PS Ultra is a compact, slim-line spray sprinkler with the option of preinstalled nozzles for faster installation.

KEY BENEFITS

- Enhanced cap for more durability, easier handling, and extended riser seal life
- Large inlet filter screen for increased debris resistance
- Check valve option eliminates low-head drainage
- Heavy-duty spring for consistent riser retraction

ADDITIONAL FEATURES

- Directional flush plug design for cleaner installation
- Two-piece ratcheting riser
- 5 cm and 10 cm models can retrofit into older style PS models
- Compatible with all female-threaded nozzles

OPERATING SPECIFICATIONS

- Operational pressure range: 1.4 to 4.8 bar; 140 to 480 kPa
- Warranty period: 2 years

FACTORY-INSTALLED OPTIONS

- Flush plug (large filter screen not included)
- Nozzles 2.4 m, 3.0 m, 3.7 m, 4.6 m, 5.2 m, 1.5 x 9.0 m side strip
- Large inlet filter screen included in 10 cm and 15 cm preinstalled nozzle models

USER-INSTALLED OPTIONS

- Check valve installs in filter screen for 10 cm and 15 cm models (up to 2 m of elevation; P/N 462237SP)
- Large inlet filter screen (P/N 162900SP)
- Shutoff nozzle (P/N 916400SP)



PSU-02

Retracted height: 12 cm
Pop-up height: 5 cm
Exposed diameter: 3 cm
Inlet size: ½"



PSU-04

Retracted height: 18 cm
Pop-up height: 10 cm
Exposed diameter: 3 cm
Inlet size: ½"



PSU-06

Retracted height: 24 cm
Pop-up height: 15 cm
Exposed diameter: 3 cm
Inlet size: ½"

PS ULTRA - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 (OPTIONAL)

1 Model	2 Nozzles	3 Optional
PSU-02 = 5 cm pop-up	(blank) = Flush plug, no large filter screen	NFO = Nozzle filter only (available for 10 cm model only). Substitute standard installation of large inlet filter screen and receive unit with the nozzle filter only.
PSU-04 = 10 cm pop-up	8A = 2.4 m adjustable nozzle	
PSU-06 = 15 cm pop-up	10A = 3.0 m adjustable nozzle	
	12A = 3.7 m adjustable nozzle	
	15A = 4.6 m adjustable nozzle	
	17A = 5.2 m adjustable nozzle	
	5SS = 1.5 m x 9.1 m side strip (not available for PSU-06)	

Examples:

- PSU-04 - 15A = 10 cm pop-up, with a 4.6 m adjustable nozzle
- PSU-02 - 5SS = 5 cm pop-up, with a 1.5 m x 9.0 m side strip
- PSU-06 - 10A = 15 cm pop-up, with a 3.0 m adjustable nozzle
- PSU-04 - 12A - NFO = 10 cm pop-up, with a 3.7 m adjustable nozzle, nozzle filter only

PS ULTRA STANDARD NOZZLES PERFORMANCE DATA

8A 2.4 m radius
Adjustable from 0° to 360°
● Brown Trajectory: 15°

10A 3.0 m radius
Adjustable from 0° to 360°
● Red Trajectory: 15°

12A 3.7 m radius
Adjustable from 0° to 360°
● Green Trajectory: 28°








Arc	Pressure		Radius		Flow		Precip mm/hr		Radius		Flow		Precip mm/hr		Radius		Flow		Precip mm/hr																																																																					
	bar	kPa	m	m ³ /hr	l/min	■	▲	m	m ³ /hr	l/min	■	▲	m	m ³ /hr	l/min	■	▲	m	m ³ /hr	l/min	■	▲																																																																		
45° ▶	1.0	100	2.0	0.04	0.62	77	89	2.6	0.04	0.68	49	56	3.2	0.04	0.73	34	40	1.5	150	2.2	0.04	0.72	72	83	2.8	0.05	0.80	49	57	3.4	0.06	0.97	40	46	2.1	210	2.4	0.05	0.83	67	77	3.0	0.06	0.94	49	56	3.7	0.07	1.23	44	51	2.5	250	2.6	0.05	0.91	63	73	3.2	0.06	1.06	48	56	3.9	0.09	1.44	46	54	3.0	300	2.9	0.06	1.01	59	68	3.5	0.07	1.18	47	54	4.1	0.10	1.68	48	56			
	90° ◑	1.0	100	2.0	0.07	1.24	77	89	2.6	0.08	1.35	49	56	3.2	0.09	1.46	34	40	1.5	150	2.2	0.09	1.44	72	83	2.8	0.10	1.61	49	57	3.4	0.12	1.93	40	46	2.1	210	2.4	0.10	1.65	67	77	3.0	0.11	1.89	49	56	3.7	0.15	2.46	44	51	2.5	250	2.6	0.11	1.82	63	73	3.2	0.13	2.11	48	56	3.9	0.17	2.88	46	54	3.0	300	2.9	0.12	2.02	59	68	3.5	0.14	2.37	47	54	4.1	0.20	3.36	48	56		
		120° ◐	1.0	100	2.0	0.10	1.66	77	89	2.6	0.11	1.80	49	56	3.2	0.12	1.94	34	40	1.5	150	2.2	0.11	1.92	72	83	2.8	0.13	2.14	49	57	3.4	0.15	2.58	40	46	2.1	210	2.4	0.13	2.20	67	77	3.0	0.15	2.52	49	56	3.7	0.20	3.28	44	51	2.5	250	2.6	0.15	2.43	63	73	3.2	0.17	2.82	48	56	3.9	0.23	3.84	46	54	3.0	300	2.9	0.16	2.69	59	68	3.5	0.19	3.16	47	54	4.1	0.27	4.48	48	56	
			180° ◐	1.0	100	2.0	0.15	2.49	77	89	2.6	0.16	2.71	49	56	3.2	0.17	2.91	34	40	1.5	150	2.2	0.17	2.87	72	83	2.8	0.19	3.21	49	57	3.4	0.23	3.86	40	46	2.1	210	2.4	0.20	3.30	67	77	3.0	0.23	3.78	49	56	3.7	0.30	4.92	44	51	2.5	250	2.6	0.22	3.65	63	73	3.2	0.25	4.23	48	56	3.9	0.35	5.76	46	54	3.0	300	2.9	0.24	4.03	59	68	3.5	0.28	4.73	47	54	4.1	0.40	6.71	48	56
				240° ◑	1.0	100	2.0	0.20	3.32	77	89	2.6	0.22	3.61	49	56	3.2	0.23	3.88	34	40	1.5	150	2.2	0.23	3.83	72	83	2.8	0.26	4.28	49	57	3.4	0.31	5.15	40	46	2.1	210	2.4	0.26	4.40	67	77	3.0	0.30	5.03	49	56	3.7	0.39	6.56	44	51	2.5	250	2.6	0.29	4.86	63	73	3.2	0.34	5.64	48	56	3.9	0.46	7.68	46	54	3.0	300	2.9	0.32	5.38	59	68	3.5	0.38	6.31	47	54	4.1	0.54	8.95	48
270° ◑					1.0	100	2.0	0.22	3.73	77	89	2.6	0.24	4.06	49	56	3.2	0.26	4.37	34	40	1.5	150	2.2	0.26	4.31	72	83	2.8	0.29	4.82	49	57	3.4	0.35	5.80	40	46	2.1	210	2.4	0.30	4.95	67	77	3.0	0.34	5.66	49	56	3.7	0.44	7.38	44	51	2.5	250	2.6	0.33	5.47	63	73	3.2	0.38	6.34	48	56	3.9	0.52	8.65	46	54	3.0	300	2.9	0.36	6.05	59	68	3.5	0.43	7.10	47	54	4.1	0.60	10.07	48
	360° ●				1.0	100	2.0	0.30	4.97	77	89	2.6	0.32	5.41	49	56	3.2	0.35	5.83	34	40	1.5	150	2.2	0.34	5.75	72	83	2.8	0.39	6.43	49	57	3.4	0.46	7.73	40	46	2.1	210	2.4	0.40	6.61	67	77	3.0	0.45	7.55	49	56	3.7	0.59	9.84	44	51	2.5	250	2.6	0.44	7.29	63	73	3.2	0.51	8.45	48	56	3.9	0.69	11.53	46	54	3.0	300	2.9	0.48	8.07	59	68	3.5	0.57	9.47	47	54	4.1	0.81	13.43	48

Bold = Recommended pressure

PS ULTRA STANDARD NOZZLES PERFORMANCE DATA


15A 4.6 m radius
Adjustable from 0° to 360°
● Black Trajectory: 28°

17A 5.2 m radius
Adjustable from 0° to 360°
● Grey Trajectory: 28°

Arc	Pressure		Radius m	Flow		Precip mm/hr		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲		m ³ /hr	l/min	■	▲
45° 	1.0	100	4.0	0.08	1.27	38	43	4.6	0.10	1.68	38	43
	1.5	150	4.3	0.09	1.51	39	45	4.9	0.12	1.94	38	44
	2.1	210	4.6	0.11	1.79	40	46	5.2	0.13	2.23	39	45
	2.5	250	4.9	0.12	2.00	40	46	5.5	0.15	2.46	39	45
	3.0	300	5.2	0.14	2.25	40	46	5.8	0.16	2.72	39	45
90° 	1.0	100	4.0	0.15	2.53	38	43	4.6	0.20	3.36	38	43
	1.5	150	4.3	0.18	3.03	39	45	4.9	0.23	3.88	38	44
	2.1	210	4.6	0.21	3.57	40	46	5.2	0.27	4.45	39	45
	2.5	250	4.9	0.24	4.01	40	46	5.5	0.30	4.92	39	45
	3.0	300	5.2	0.27	4.50	40	46	5.8	0.33	5.44	39	45
120° 	1.0	100	4.0	0.20	3.38	38	43	4.6	0.27	4.48	38	43
	1.5	150	4.3	0.24	4.03	39	45	4.9	0.31	5.17	38	44
	2.1	210	4.6	0.29	4.76	40	46	5.2	0.36	5.94	39	45
	2.5	250	4.9	0.32	5.34	40	46	5.5	0.39	6.56	39	45
	3.0	300	5.2	0.36	6.00	40	46	5.8	0.43	7.25	39	45
180° 	1.0	100	4.0	0.30	5.07	38	43	4.6	0.40	6.71	38	43
	1.5	150	4.3	0.36	6.05	39	45	4.9	0.47	7.75	38	44
	2.1	210	4.6	0.43	7.14	40	46	5.2	0.53	8.91	39	45
	2.5	250	4.9	0.48	8.02	40	46	5.5	0.59	9.83	39	45
	3.0	300	5.2	0.54	9.00	40	46	5.8	0.65	10.87	39	45
240° 	1.0	100	4.0	0.41	6.76	38	43	4.6	0.54	8.95	38	43
	1.5	150	4.3	0.48	8.07	39	45	4.9	0.62	10.34	38	44
	2.1	210	4.6	0.57	9.52	40	46	5.2	0.71	11.88	39	45
	2.5	250	4.9	0.64	10.69	40	46	5.5	0.79	13.11	39	45
	3.0	300	5.2	0.72	12.00	40	46	5.8	0.87	14.50	39	45
270° 	1.0	100	4.0	0.46	7.60	38	43	4.6	0.60	10.07	38	43
	1.5	150	4.3	0.54	9.08	39	45	4.9	0.70	11.63	38	44
	2.1	210	4.6	0.64	10.71	40	46	5.2	0.80	13.36	39	45
	2.5	250	4.9	0.72	12.03	40	46	5.5	0.89	14.75	39	45
	3.0	300	5.2	0.81	13.50	40	46	5.8	0.98	16.31	39	45
360° 	1.0	100	4.0	0.61	10.13	38	43	4.6	0.81	13.43	38	43
	1.5	150	4.3	0.73	12.10	39	45	4.9	0.93	15.51	38	44
	2.1	210	4.6	0.86	14.28	40	46	5.2	1.07	17.82	39	45
	2.5	250	4.9	0.96	16.03	40	46	5.5	1.18	19.67	39	45
	3.0	300	5.2	1.08	18.00	40	46	5.8	1.30	21.75	39	45

Bold = Recommended pressure

STRIP PATTERN NOZZLE PERFORMANCE DATA

Model	Pressure		Width x Length m	Flow	
	bar	kPa		m ³ /hr	l/min
SS-530 	1.0	100	1.2 x 8.5	0.21	3.5
	1.5	150	1.5 x 9.0	0.25	4.2
	2.0	200	1.5 x 9.0	0.29	4.9
	2.1	210	1.5 x 9.1	0.30	5.0
	2.5	250	1.5 x 9.1	0.33	5.5

Bold = Recommended pressure

PRO-SPRAY™

Meet the strongest, most versatile spray sprinkler body in the industry.

KEY BENEFITS

- Industry's strongest spray body for years of reliable performance
- Co-moulded wiper seal made from chemical- and chlorine-resistant materials
- Innovative seal design prevents cap-to-body leaks
- Heavy-duty spring for consistent riser retraction
- Check valve option eliminates low-head drainage

ADDITIONAL FEATURES

- Directional flush plug design for cleaner installation
- Interchangeable components for easier servicing, retrofits, and upgrades

OPERATING SPECIFICATIONS

- Operational pressure range: 1.0 to 7.0 bar; 100 to 700 kPa
- SASO Quality Mark Certified
- Warranty period: 5 years

FACTORY-INSTALLED OPTIONS

- Check valve available for 10 cm, 15 cm, and 30 cm models (up to 3 m of elevation)
- Reclaimed water ID cap

USER-INSTALLED OPTIONS

- Drain check valve (up to 3 m of elevation; P/N 437400SP)
- Reclaimed water ID cap (P/N 458520SP)
- Snap-on reclaimed cover (P/N PROS-RC-CAP-SP)
- Shutoff cap (P/N 213600SP)
- Shutoff nozzle (P/N 916400SP)



Pro-Spray Reclaimed

Pro-Spray models include optional factory-installed purple reclaimed caps.

PRO-SPRAY - SPECIFICATION BUILDER: ORDER 1 + 2

1 Model	2 Options
PROS-00 = Shrub adapter	(blank) = No option
PROS-02 = 5 cm pop-up	CV = Factory-installed drain check valve (Pop-up models only)
PROS-03 = 7.5 cm pop-up	R = Factory-installed reclaimed body cap (shrub moulded in purple)
PROS-04 = 10 cm pop-up	
PROS-06 = 15 cm pop-up (no side inlet)	
PROS-12 = 30 cm pop-up (no side inlet)	

PRO-SPRAY (SIDE INLET) MODELS

PROS-06-SI = 15 cm pop-up with side inlet

PROS-12-SI = 30 cm pop-up with side inlet

Examples:

PROS-06-CV = 15 cm pop-up, drain check valve

PROS-12-CV-R = 30 cm pop-up, drain check valve, reclaimed body cap



PROS-00

Retracted height: 4 cm
Inlet size: ½"



PROS-02

Retracted height: 10 cm
Pop-up height: 5 cm
Exposed diameter: 5.7 cm
Inlet size: ½"



PROS-03

Retracted height: 12.5 cm
Pop-up height: 7.5 cm
Exposed diameter: 5.7 cm
Inlet size: ½"



PROS-04

Retracted height: 15.5 cm
Pop-up height: 10 cm
Exposed diameter: 5.7 cm
Inlet size: ½"



[A] PROS-06-SI

[B] **PROS-06**
Retracted height: 22.5 cm
Pop-up height: 15 cm
Exposed diameter: 5.7 cm
Inlet size: ½"



[A] PROS-12-SI

[B] **PROS-12**
Retracted height: 41 cm
Pop-up height: 30 cm
Exposed diameter: 5.7 cm
Inlet size: ½"

PRO-SPRAY™ PRS30

To maintain consistent performance and reduce water waste, the Pro-Spray PRS30 Sprinkler Body is pressure-regulated to an optimal pressure of 2.1 bar; 210 kPa.

KEY BENEFITS

- Industry's strongest sprinkler body for years of reliable performance
- Pressure-regulated to 2.1 bar; 210 kPa for optimal nozzle performance
- Brown cap for easy field identification
- Co-moulded wiper seal made from chemical- and chlorine-resistant materials
- Innovative seal design prevents cap-to-body leaks, even with a loose cap
- FloGuard™ Technology option eliminates water waste in the event of a missing nozzle

ADDITIONAL FEATURES

- Directional flush plug design for cleaner installation
- Interchangeable components for easier servicing, retrofits, and upgrades
- Heavy-duty spring for consistent riser retraction
- Check valve option eliminates low-head drainage

OPERATING SPECIFICATIONS

- Operational pressure range: 1.0 to 7.0 bar; 100 to 700 kPa
- *SASO Quality Mark Certified
- Warranty period: 5 years

FACTORY-INSTALLED OPTIONS

- Check valve available for 10 cm, 15 cm, and 30 cm models (up to 4.3 m of elevation)
- Reclaimed water identification
- FloGuard Technology available for check valve models

USER-INSTALLED OPTIONS

- Check valve: P/N 437400SP
 - Up to 3 m of elevation for 7.5 cm model
 - Up to 4.3 m of elevation for 10 cm, 15 cm, and 30 cm models
- Reclaimed water ID cap: P/N 458560SP
- Snap-on reclaimed cover: P/N PROS-RC-CAP-SP
- Shutoff cap: P/N 213600SP
- Shutoff nozzle: P/N 916400SP



PRS30 Reclaimed

PRS30 models include optional factory-installed purple reclaimed caps



FloGuard Technology

Eliminate water waste in the event of a missing nozzle



Smart WaterMark

Recognised as a responsible water-saving tool



PROS-00-PRS30*
Retracted height: 11 cm
Inlet size: ½"



PROS-03-PRS30
Retracted height: 12.5 cm
Pop-up height: 7.5 cm
Exposed diameter: 5.7 cm
Inlet size: ½"



PROS-04-PRS30*
Retracted height: 15.5 cm
Pop-up height: 10 cm
Exposed diameter: 5.7 cm
Inlet size: ½"



[A] **PROS-06-SI-PRS30***
[B] **PROS-06-PRS30***
Retracted height: 22.5 cm
Pop-up height: 15 cm
Exposed diameter: 5.7 cm
Inlet size: ½"



[A] **PROS-12-SI-PRS30***
[B] **PROS-12-PRS30***
Retracted height: 41 cm
Pop-up height: 30 cm
Exposed diameter: 5.7 cm
Inlet size: ½"

PRO-SPRAY PRS30 - SPECIFICATION BUILDER: ORDER 1 + 2 + 3

1 Model	2 Feature Options	3 Specialty Options
<p>PROS-00-PRS30 = 2.1 bar regulated shrub adapter</p> <p>PROS-03-PRS30 = 2.1 bar regulated 7.5 cm pop-up</p> <p>PROS-04-PRS30 = 2.1 bar regulated 10 cm pop-up</p> <p>PROS-06-PRS30 = 2.1 bar regulated 15 cm pop-up</p> <p>PROS-12-PRS30 = 2.1 bar regulated 30 cm pop-up</p>	<p>(blank) = No option</p> <p>CV = Factory-installed drain check valve (10 cm, 15 cm, 30 cm models only)</p>	<p>(blank) = No option</p> <p>R = Factory-installed reclaimed body cap</p> <p>F = FloGuard Technology (10 cm, 15 cm, 30 cm models only)</p> <p>F-R = FloGuard Technology with reclaimed body cap (10 cm, 15 cm, 30 cm models only)</p>

PRO-SPRAY PRS30 (SIDE INLET) MODELS

- PROS-06-SI-PRS30** = 2.1 bar regulated 15 cm pop-up with side inlet
- PROS-12-SI-PRS30** = 2.1 bar regulated 30 cm pop-up with side inlet

Examples:
PROS-06-SI-PRS30 = 15 cm pop-up with side inlet regulated at 2.1 bar; 210 kPa
PROS-06-PRS30-CV = 15 cm pop-up regulated at 2.1 bar; 210 kPa, drain check valve
PROS-12-PRS30-CV-F-R = 30 cm pop-up regulated at 2.1 bar; 210 kPa, drain check valve, and FloGuard Technology with reclaimed body cap

Compatible with:



Pro Adjustable Nozzles
 Page 78

Pro Fixed Nozzles
 Page 82

Pro High-Efficiency Nozzles
 Page 76

PRO-SPRAY™ PRS40

To optimise MP Rotator™ Nozzle performance, the Pro-Spray PRS40 Sprinkler Body is pressure-regulated to 2.8 bar; 280 kPa.

KEY BENEFITS

- Industry's strongest sprinkler body for years of reliable performance
- Pressure-regulated to 2.8 bar; 280 kPa for the MP Rotator Nozzle
- Grey cap for easy field identification
- Co-moulded wiper seal made from chemical- and chlorine-resistant materials
- Innovative seal design prevents cap-to-body leaks, even with a loose cap
- FloGuard™ Technology option eliminates water waste in the event of a missing nozzle

ADDITIONAL FEATURES

- Directional flush plug design for cleaner installation
- Interchangeable components for easier servicing, retrofits, and upgrades
- Heavy-duty spring for consistent riser retraction
- Check valve option eliminates low-head drainage

OPERATING SPECIFICATIONS

- Operational pressure range: 1.0 to 7.0 bar; 100 to 700 kPa
- *SASO Quality Mark Certified
- Warranty period: 5 years

FACTORY-INSTALLED OPTIONS

- Check valve available for 10 cm, 15 cm, and 30 cm models (up to 4.3 m of elevation)
- Reclaimed water identification
- FloGuard Technology available for pop-up models

USER-INSTALLED OPTIONS

- Check valve: P/N 437400SP
 - Up to 3 m of elevation for 7.5 cm model
 - Up to 4.3 m of elevation for 10 cm, 15 cm, and 30 cm models
- Reclaimed water ID cap: P/N 458562SP
- Snap-on reclaimed cover: P/N PROS-RC-CAP-SP
- Shutoff cap: P/N 213600SP
- Shutoff nozzle: P/N 916400SP



PRS40 Reclaimed

PRS40 models include optional factory-installed purple reclaimed caps



FloGuard Technology

Eliminate water waste in the event of a missing nozzle



Smart WaterMark

Recognised as a responsible water-saving tool



PROS-00-PRS40*

Retracted height: 11 cm
Inlet size: ½"



PROS-03-PRS40

Retracted height: 12.5 cm
Pop-up height: 7.5 cm
Exposed diameter: 5.7 cm
Inlet size: ½"



PROS-04-PRS40-CV*

Retracted height: 15.5 cm
Pop-up height: 10 cm
Exposed diameter: 5.7 cm
Inlet size: ½"



PROS-06-PRS40-CV*

Retracted height: 22.5 cm
Pop-up height: 15 cm
Exposed diameter: 5.7 cm
Inlet size: ½"



PROS-12-PRS40-CV*

Retracted height: 41 cm
Pop-up height: 30 cm
Exposed diameter: 5.7 cm
Inlet size: ½"

PRO-SPRAY PRS40 - SPECIFICATION BUILDER: ORDER 1 + 2 + 3

1 Model	2 Feature Options	3 Specialty Options
<p>PROS-00-PRS40 = 2.8 bar regulated shrub adapter</p> <p>PROS-03-PRS40 = 2.8 bar regulated 7.5 cm pop-up</p> <p>PROS-04-PRS40 = 2.8 bar regulated 10 cm pop-up</p> <p>PROS-06-PRS40 = 2.8 bar regulated 15 cm pop-up</p> <p>PROS-12-PRS40 = 2.8 bar regulated 30 cm pop-up</p>	<p>(blank) = No option</p> <p>CV = Factory-installed drain check valve (10 cm, 15 cm, 30 cm models only)</p>	<p>(blank) = No option</p> <p>R = Factory-installed reclaimed body cap</p> <p>F = FloGuard Technology (10 cm, 15 cm, 30 cm models only)</p> <p>F-R = FloGuard Technology with reclaimed body cap (10 cm, 15 cm, 30 cm models only)</p>

PRO-SPRAY PRS40 (SIDE INLET) MODELS

- PROS-06-SI-PRS40** = 2.8 bar regulated 15 cm pop-up with side inlet
- PROS-12-SI-PRS40** = 2.8 bar regulated 30 cm pop-up with side inlet

Examples:
PROS-06-SI-PRS40 = 15 cm pop-up with side inlet regulated at 2.8 bar; 280 kPa
PROS-06-PRS40-CV = 15 cm pop-up regulated at 2.8 bar; 280 kPa, drain check valve
PROS-12-PRS40-CV-F-R = 30 cm pop-up regulated at 2.8 bar; 280 kPa, drain check valve, and FloGuard Technology with reclaimed body cap

Compatible with:



MP Rotator Nozzles
 Page 54

SPRAY ACCESSORIES

Spray accessories provide additional flexibility for installation and maintenance of spray systems.

SJ SWING JOINTS

Features

- Unique swivel ells on both ends for easy installation in any configuration
- Swing joints are built with air-tight connection points for long-term reliability

Models

- SJ-506: ½" threaded x 15 cm length
- SJ-512: ½" threaded x 30 cm length
- SJ-7506: ½" x ¾" threaded x 15 cm length
- SJ-7512: ½" x ¾" threaded x 30 cm length
- SJ-706: ¾" threaded x 15 cm length
- SJ-712: ¾" threaded x 30 cm length

Operating Specifications

- Pressure-rated to 10 bar; 1000 kPa
- Warranty period: 2 years

HUNTER SPIRAL BARB ELBOWS

Features

- Improved bigger, stronger design
- Spiral-to-barb design for easier installation
- Acetal material for sharp barbs
- Compatible with FlexSG Tubing and other brands for a customised swing joint

Models

- HSBE-050: ½" male x spiral barb elbow
- HSBE-075: ¾" male x spiral barb elbow

Operating Specifications

- Operating pressure: Up to 5.5 bar; 550 kPa
- Warranty period: 2 years

FLEXSG TUBING

Features

- Engineered to resist kinking
- Textured for easy grip
- Linear low-density polyethylene material
- Meets ASTM D2104, D2239, D2737

Models

- FLEXSG: 30 m roll
- FLEXSG-18: 45 cm pre-cut lengths

Operating Specifications

- Operating pressure: up to 5.5 bar; 550 kPa
- Warranty period: 2 years

PRO-SPRAY SHUTOFF CAP

Features

- Caps off the Pro-Spray Sprinkler Body for maintenance or drip conversions
- Maintains a clean look to the landscape

Models

- P/N 213600SP

SHUTOFF NOZZLE

Features

- Easy shutoff for spray systems
- Allows heads to pop-up for easy visibility
- Use with Pro-Spray and PS Ultra models

Models

- P/N 916400SP



SJ Swing Joints

15 cm or 30 cm links



Spiral Barb Elbows

HSBE-050, HSBE-075



FlexSG Tubing

30 m and 45 cm pre-cut lengths
Inside diameter: 1.2 cm



Pro-Spray Shutoff Cap

P/N 213600SP



Shutoff Nozzle

P/N 916400SP

NOZZLES



PRO HIGH-EFFICIENCY NOZZLES

Pro High-Efficiency Nozzles provide increased efficiency for spray systems through high uniformity from the spray pattern at a matched precipitation rate across the line.

KEY BENEFITS

- High-efficiency performance from a high-uniformity spray pattern
- Matched precipitation of 40 mm/hr from 2.4 m to 5.2 m across the 0° to 360° adjustable arc range
- Smooth spray pattern with well-defined edges for targeted landscape irrigation
- Colour-coded with natural hues to blend with the landscape and provide easy field identification

ADDITIONAL FEATURES

- Simple arc adjustment using the easy-grip nozzle top
- Thick nozzle top offers long-lasting durability against equipment damage
- Fast installation with clear identification of spray pattern edges

OPERATING SPECIFICATIONS

- Recommended operating pressure: 2.1 bar; 210 kPa
- Pair with Pro-Spray™ PRS30 Sprinkler Bodies for pressure regulation to 2.1 bar; 210 kPa
- Warranty period: 2 years



8A-HE Nozzle
Radius: 2.4 m



10A-HE Nozzle
Radius: 3.0 m



12A-HE Nozzle
Radius: 3.7 m



15A-HE Nozzle
Radius: 4.6 m



17A-HE Nozzle
Radius: 5.2 m

PRO HIGH-EFFICIENCY NOZZLES PERFORMANCE DATA



8A-HE 2.4 m radius
Adjustable from 0° to 360°
Trajectory: 20°
● Olive Green



10A-HE 3.0 m radius
Adjustable from 0° to 360°
Trajectory: 25°
● Dark Blue



12A-HE 3.7 m radius
Adjustable from 0° to 360°
Trajectory: 25°
● Brown





Arc	Pressure		Radius m	Flow		Precip mm/hr		Radius m	Flow		Precip mm/hr		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲		m ³ /hr	l/min	■	▲		m ³ /hr	l/min	■	▲
90° 	1.0	100	2.0	0.05	0.87	52	60	2.7	0.08	1.36	45	52	3.3	0.12	2.01	44	51
	1.5	150	2.2	0.06	1.02	51	59	2.8	0.09	1.55	48	55	3.5	0.13	2.23	44	51
	2.1	210	2.4	0.06	1.06	44	51	3.0	0.10	1.67	44	51	3.7	0.14	2.38	42	48
	2.5	250	2.6	0.07	1.21	43	50	3.1	0.11	1.82	45	52	3.8	0.16	2.65	44	51
180° 	1.0	100	2.0	0.10	1.65	49	57	2.7	0.16	2.65	44	50	3.3	0.23	3.88	43	49
	1.5	150	2.2	0.11	1.85	46	53	2.8	0.18	2.94	45	52	3.5	0.25	4.24	42	48
	2.1	210	2.4	0.12	2.08	43	50	3.0	0.19	3.24	43	50	3.7	0.28	4.62	40	47
	2.5	250	2.6	0.14	2.37	42	48	3.1	0.21	3.52	44	51	3.8	0.30	5.03	42	48
270° 	1.0	100	2.0	0.15	2.47	49	57	2.7	0.24	3.97	44	50	3.3	0.35	5.82	43	49
	1.5	150	2.2	0.17	2.78	46	53	2.8	0.26	4.41	45	52	3.5	0.38	6.36	42	48
	2.1	210	2.4	0.19	3.11	43	50	3.0	0.29	4.85	43	50	3.7	0.42	6.93	40	47
	2.5	250	2.6	0.21	3.55	42	48	3.1	0.32	5.28	44	51	3.8	0.45	7.55	42	48
360° 	1.0	100	2.0	0.20	3.29	49	57	2.7	0.32	5.30	44	50	3.3	0.47	7.76	43	49
	1.5	150	2.2	0.22	3.71	46	53	2.8	0.35	5.88	45	52	3.5	0.51	8.48	42	48
	2.1	210	2.4	0.25	4.15	43	50	3.0	0.39	6.47	43	50	3.7	0.55	9.24	40	47
	2.5	250	2.6	0.28	4.73	42	48	3.1	0.42	7.04	44	51	3.8	0.60	10.07	42	48
	3.0	300	2.8	0.31	5.50	39	45	3.2	0.45	7.57	44	51	3.9	0.66	11.05	44	50

PRO HIGH-EFFICIENCY NOZZLES PERFORMANCE DATA



15A-HE 4.6 m radius
Adjustable from 0° to 360°
Trajectory: 25°
● Black

17A-HE 5.2 m radius
Adjustable from 0° to 360°
Trajectory: 25°
● Grey

Arc	Pressure		Radius m	Flow		Precip mm/hr		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲		m ³ /hr	l/min	■	▲
90° 	1.0	100	4.2	0.18	2.95	40	46	4.6	0.22	3.61	41	47
	1.5	150	4.4	0.20	3.33	41	48	4.8	0.24	4.04	42	49
	2.1	210	4.6	0.22	3.63	41	48	5.2	0.28	4.69	42	48
	2.5	250	4.7	0.24	4.05	44	51	5.3	0.29	4.90	42	48
	3.0	300	4.8	0.26	4.28	45	51	5.4	0.31	5.25	43	50
180° 	1.0	100	4.2	0.35	5.78	39	45	4.6	0.40	6.68	38	44
	1.5	150	4.4	0.38	6.38	40	46	4.8	0.46	7.70	40	46
	2.1	210	4.6	0.42	7.08	40	46	5.2	0.54	8.93	40	46
	2.5	250	4.7	0.47	7.76	42	49	5.3	0.56	9.33	40	46
	3.0	300	4.8	0.50	8.39	44	50	5.4	0.60	10.03	41	48
270° 	1.0	100	4.2	0.52	8.67	39	45	4.6	0.60	10.02	38	44
	1.5	150	4.4	0.57	9.58	40	46	4.8	0.69	11.55	40	46
	2.1	210	4.6	0.64	10.62	40	46	5.2	0.80	13.40	40	46
	2.5	250	4.7	0.70	11.64	42	49	5.3	0.84	14.00	40	46
	3.0	300	4.8	0.75	12.59	44	50	5.4	0.90	15.05	41	48
360° 	1.0	100	4.2	0.69	11.56	39	45	4.6	0.80	13.36	38	44
	1.5	150	4.4	0.77	12.77	40	46	4.8	0.92	15.40	40	46
	2.1	210	4.6	0.85	14.16	40	46	5.2	1.07	17.87	40	46
	2.5	250	4.7	0.93	15.52	42	49	5.3	1.12	18.66	40	46
	3.0	300	4.8	1.01	16.78	44	50	5.4	1.20	20.06	41	48

Bold = Recommended pressure

Note: The Pro-Spray PRS30 Sprinkler Body's built-in pressure regulator controls output to a maximum of 2.1 bar; 210 kPa. Adjusting the radius reduction screw may be required to achieve catalogue radius and flow.

Pro High-Efficiency Nozzles



PRO ADJUSTABLE NOZZLES

Choose Pro Adjustable Nozzles for excellent landscape coverage in any setting.

KEY BENEFITS

- Adjustable from 0° to 360° for maximum design flexibility
- Easy-grip top for simple adjustment
- Strong edges for a defined pattern with better wind resistance
- Large water droplets minimise misting with better uniformity

ADDITIONAL FEATURES

- Matched precipitation rate on each nozzle from 8A to 17A
- Even distribution results in better coverage
- Colour-coded for easy field identification

OPERATING SPECIFICATIONS

- Recommended operating pressure: 2.1 bar; 210 kPa
- Pair with Pro-Spray PRS30 pop-up for pressure regulation to 2.1 bar; 210 kPa
- Warranty period: 2 years



4A Nozzle
Radius: 1.2 m



6A Nozzle
Radius: 1.8 m



8A Nozzle
Radius: 2.4 m



10A Nozzle
Radius: 3.0 m



12A Nozzle
Radius: 3.7 m



15A Nozzle
Radius: 4.6 m



17A Nozzle
Radius: 5.2 m

Pro Adjustable Nozzle



PRO ADJUSTABLE NOZZLES PERFORMANCE DATA



4A 1.2 m radius
Adjustable from 0° to 360°
● Lt. Green Trajectory: 0°

6A 1.8 m radius
Adjustable from 0° to 360°
● Lt. Blue Trajectory: 0°

8A 2.4 m radius
Adjustable from 0° to 360°
● Brown Trajectory: 15°

Arc	Pressure		Radius m	Flow		Precip mm/hr		Radius m	Flow		Precip mm/hr		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲		m ³ /hr	l/min	■	▲		m ³ /hr	l/min	■	▲
45° ▶	1.0	100	0.9	0.02	0.31	187	216	1.5	0.03	0.54	117	136	2.0	0.04	0.62	77	89
	1.5	150	1.0	0.02	0.39	178	206	1.6	0.04	0.60	108	124	2.2	0.04	0.72	72	83
	2.1	210	1.2	0.03	0.48	167	193	1.8	0.04	0.65	98	114	2.4	0.05	0.83	67	77
	2.5	250	1.3	0.03	0.56	158	183	1.9	0.04	0.70	92	106	2.6	0.05	0.91	63	73
	3.0	300	1.4	0.04	0.64	149	172	2.1	0.05	0.75	86	99	2.9	0.06	1.01	59	68
90° ◑	1.0	100	0.9	0.04	0.72	213	246	1.5	0.06	1.08	116	134	2.0	0.07	1.24	77	89
	1.5	150	1.0	0.05	0.76	182	210	1.6	0.07	1.21	109	126	2.2	0.09	1.44	72	83
	2.1	210	1.2	0.05	0.83	139	160	1.8	0.08	1.35	102	118	2.4	0.10	1.65	67	77
	2.5	250	1.3	0.05	0.91	129	149	1.9	0.09	1.47	97	112	2.6	0.11	1.82	63	73
	3.0	300	1.4	0.06	0.95	116	134	2.1	0.10	1.61	92	106	2.9	0.12	2.02	59	68
120° ◐	1.0	100	0.9	0.06	0.97	221	255	1.5	0.08	1.26	102	118	2.0	0.10	1.66	77	89
	1.5	150	1.0	0.07	1.10	188	217	1.6	0.09	1.43	97	112	2.2	0.11	1.92	72	83
	2.1	210	1.2	0.07	1.25	162	187	1.8	0.10	1.61	91	105	2.4	0.13	2.20	67	77
	2.5	250	1.3	0.08	1.36	146	168	1.9	0.11	1.76	87	100	2.6	0.15	2.43	63	73
	3.0	300	1.4	0.09	1.49	131	151	2.1	0.12	1.93	82	95	2.9	0.16	2.69	59	68
180° ◓	1.0	100	0.9	0.07	1.18	178	206	1.5	0.10	1.70	92	106	2.0	0.15	2.49	77	89
	1.5	150	1.0	0.08	1.38	157	181	1.6	0.12	1.96	88	102	2.2	0.17	2.87	72	83
	2.1	210	1.2	0.10	1.60	139	160	1.8	0.13	2.24	84	97	2.4	0.20	3.30	67	77
	2.5	250	1.3	0.11	1.78	127	146	1.9	0.15	2.47	81	94	2.6	0.22	3.65	63	73
	3.0	300	1.4	0.12	1.98	115	133	2.1	0.16	2.72	78	90	2.9	0.24	4.03	59	68
240° ◒	1.0	100	0.9	0.12	1.94	220	254	1.5	0.15	2.44	99	114	2.0	0.20	3.32	77	89
	1.5	150	1.0	0.13	2.24	192	221	1.6	0.17	2.83	96	111	2.2	0.23	3.83	72	83
	2.1	210	1.2	0.16	2.59	168	194	1.8	0.20	3.28	92	107	2.4	0.26	4.40	67	77
	2.5	250	1.3	0.17	2.86	153	177	1.9	0.22	3.63	89	103	2.6	0.29	4.86	63	73
	3.0	300	1.4	0.19	3.17	139	160	2.1	0.24	4.03	86	99	2.9	0.32	5.38	59	68
270° ◑	1.0	100	0.9	0.13	2.09	211	244	1.5	0.18	3.08	111	128	2.0	0.22	3.73	77	89
	1.5	150	1.0	0.14	2.40	183	211	1.6	0.21	3.52	106	122	2.2	0.26	4.31	72	83
	2.1	210	1.2	0.16	2.75	159	183	1.8	0.24	4.02	101	116	2.4	0.30	4.95	67	77
	2.5	250	1.3	0.18	3.02	144	166	1.9	0.27	4.42	97	112	2.6	0.33	5.47	63	73
	3.0	300	1.4	0.20	3.33	130	150	2.1	0.29	4.87	92	107	2.9	0.36	6.05	59	68
360° ●	1.0	100	0.9	0.14	2.26	171	197	1.5	0.21	3.57	96	111	2.0	0.30	4.97	77	89
	1.5	150	1.0	0.16	2.60	148	171	1.6	0.24	4.07	92	106	2.2	0.34	5.75	72	83
	2.1	210	1.2	0.18	2.98	129	149	1.8	0.28	4.62	87	100	2.4	0.40	6.61	67	77
	2.5	250	1.3	0.20	3.29	117	135	1.9	0.30	5.06	83	96	2.6	0.44	7.29	63	73
	3.0	300	1.4	0.22	3.63	106	122	2.1	0.33	5.56	79	92	2.9	0.48	8.07	59	68

Bold = Recommended pressure

Note: The Pro-Spray PRS30's built-in pressure regulator controls output to a maximum of 2.1 bar; 210 kPa. Adjusting the radius reduction screw may be required to achieve catalogue radius and flow.

PRO ADJUSTABLE NOZZLES PERFORMANCE DATA



10A 3.0 m radius
Adjustable from 0° to 360°
● Red Trajectory: 15°

12A 3.7 m radius
Adjustable from 0° to 360°
● Green Trajectory: 28°

15A 4.6 m radius
Adjustable from 0° to 360°
● Black Trajectory: 28°

Arc	Pressure		Radius		Flow		Precip mm/hr		Radius		Flow		Precip mm/hr		Radius		Flow		Precip mm/hr																																																																					
	bar	kPa	m	m ³ /hr	l/min	■	▲	m	m ³ /hr	l/min	■	▲	m	m ³ /hr	l/min	■	▲	m	m ³ /hr	l/min	■	▲																																																																		
45° ▶	1.0	100	2.6	0.04	0.68	49	56	3.2	0.04	0.73	34	40	4.0	0.08	1.27	38	43	1.5	150	2.8	0.05	0.80	49	57	3.4	0.06	0.97	40	46	4.3	0.09	1.51	39	45	2.1	210	3.0	0.06	0.94	49	56	3.7	0.07	1.23	44	51	4.6	0.11	1.79	40	46	2.5	250	3.2	0.06	1.06	48	56	3.9	0.09	1.44	46	54	4.9	0.12	2.00	40	46	3.0	300	3.5	0.07	1.18	47	54	4.1	0.10	1.68	48	56	5.2	0.14	2.25	40	46			
	90° ◐	1.0	100	2.6	0.08	1.35	49	56	3.2	0.09	1.46	34	40	4.0	0.15	2.53	38	43	1.5	150	2.8	0.10	1.61	49	57	3.4	0.12	1.93	40	46	4.3	0.18	3.03	39	45	2.1	210	3.0	0.11	1.89	49	56	3.7	0.15	2.46	44	51	4.6	0.21	3.57	40	46	2.5	250	3.2	0.13	2.11	48	56	3.9	0.17	2.88	46	54	4.9	0.24	4.01	40	46	3.0	300	3.5	0.14	2.37	47	54	4.1	0.20	3.36	48	56	5.2	0.27	4.50	40	46		
		120° ◑	1.0	100	2.6	0.11	1.80	49	56	3.2	0.12	1.94	34	40	4.0	0.20	3.38	38	43	1.5	150	2.8	0.13	2.14	49	57	3.4	0.15	2.58	40	46	4.3	0.24	4.03	39	45	2.1	210	3.0	0.15	2.52	49	56	3.7	0.20	3.28	44	51	4.6	0.29	4.76	40	46	2.5	250	3.2	0.17	2.82	48	56	3.9	0.23	3.84	46	54	4.9	0.32	5.34	40	46	3.0	300	3.5	0.19	3.16	47	54	4.1	0.27	4.48	48	56	5.2	0.36	6.00	40	46	
			180° ◒	1.0	100	2.6	0.16	2.71	49	56	3.2	0.17	2.91	34	40	4.0	0.30	5.07	38	43	1.5	150	2.8	0.19	3.21	49	57	3.4	0.23	3.86	40	46	4.3	0.36	6.05	39	45	2.1	210	3.0	0.23	3.78	49	56	3.7	0.30	4.92	44	51	4.6	0.43	7.14	40	46	2.5	250	3.2	0.25	4.23	48	56	3.9	0.35	5.76	46	54	4.9	0.48	8.02	40	46	3.0	300	3.5	0.28	4.73	47	54	4.1	0.40	6.71	48	56	5.2	0.54	9.00	40	46
				240° ◓	1.0	100	2.6	0.22	3.61	49	56	3.2	0.23	3.88	34	40	4.0	0.41	6.76	38	43	1.5	150	2.8	0.26	4.28	49	57	3.4	0.31	5.15	40	46	4.3	0.48	8.07	39	45	2.1	210	3.0	0.30	5.03	49	56	3.7	0.39	6.56	44	51	4.6	0.57	9.52	40	46	2.5	250	3.2	0.34	5.64	48	56	3.9	0.46	7.68	46	54	4.9	0.64	10.69	40	46	3.0	300	3.5	0.38	6.31	47	54	4.1	0.54	8.95	48	56	5.2	0.72	12.00	40
270° ◔	1.0				100	2.6	0.24	4.06	49	56	3.2	0.26	4.37	34	40	4.0	0.46	7.60	38	43	1.5	150	2.8	0.29	4.82	49	57	3.4	0.35	5.80	40	46	4.3	0.54	9.08	39	45	2.1	210	3.0	0.34	5.66	49	56	3.7	0.44	7.38	44	51	4.6	0.64	10.71	40	46	2.5	250	3.2	0.38	6.34	48	56	3.9	0.52	8.65	46	54	4.9	0.72	12.03	40	46	3.0	300	3.5	0.43	7.10	47	54	4.1	0.60	10.07	48	56	5.2	0.81	13.50	40	46
	360° ◕	1.0			100	2.6	0.32	5.41	49	56	3.2	0.35	5.83	34	40	4.0	0.61	10.13	38	43	1.5	150	2.8	0.39	6.43	49	57	3.4	0.46	7.73	40	46	4.3	0.73	12.10	39	45	2.1	210	3.0	0.45	7.55	49	56	3.7	0.59	9.84	44	51	4.6	0.86	14.28	40	46	2.5	250	3.2	0.51	8.45	48	56	3.9	0.69	11.53	46	54	4.9	0.96	16.03	40	46	3.0	300	3.5	0.57	9.47	47	54	4.1	0.81	13.43	48	56	5.2	1.08	18.00	40	46

Bold = Recommended pressure

Note: The Pro-Spray PRS30's built-in pressure regulator controls output to a maximum of 2.1 bar; 210 kPa. Adjusting the radius reduction screw may be required to achieve catalogue radius and flow.

PRO ADJUSTABLE NOZZLES PERFORMANCE DATA



17A 5.2 m radius
Adjustable from 0° to 360°
● Grey Trajectory: 28°

Arc	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
45° ▶	1.0	100	4.6	0.10	1.68	38	43
	1.5	150	4.9	0.12	1.94	38	44
	2.1	210	5.2	0.13	2.23	39	45
	2.5	250	5.5	0.15	2.46	39	45
	3.0	300	5.8	0.16	2.72	39	45
90° ◑	1.0	100	4.6	0.20	3.36	38	43
	1.5	150	4.9	0.23	3.88	38	44
	2.1	210	5.2	0.27	4.45	39	45
	2.5	250	5.5	0.30	4.92	39	45
	3.0	300	5.8	0.33	5.44	39	45
120° ◐	1.0	100	4.6	0.27	4.48	38	43
	1.5	150	4.9	0.31	5.17	38	44
	2.1	210	5.2	0.36	5.94	39	45
	2.5	250	5.5	0.39	6.56	39	45
	3.0	300	5.8	0.43	7.25	39	45
180° ◕	1.0	100	4.6	0.40	6.71	38	43
	1.5	150	4.9	0.47	7.75	38	44
	2.1	210	5.2	0.53	8.91	39	45
	2.5	250	5.5	0.59	9.83	39	45
	3.0	300	5.8	0.65	10.87	39	45
240° ◔	1.0	100	4.6	0.54	8.95	38	43
	1.5	150	4.9	0.62	10.34	38	44
	2.1	210	5.2	0.71	11.88	39	45
	2.5	250	5.5	0.79	13.11	39	45
	3.0	300	5.8	0.87	14.50	39	45
270° ◓	1.0	100	4.6	0.60	10.07	38	43
	1.5	150	4.9	0.70	11.63	38	44
	2.1	210	5.2	0.80	13.36	39	45
	2.5	250	5.5	0.89	14.75	39	45
	3.0	300	5.8	0.98	16.31	39	45
360° ●	1.0	100	4.6	0.81	13.43	38	43
	1.5	150	4.9	0.93	15.51	38	44
	2.1	210	5.2	1.07	17.82	39	45
	2.5	250	5.5	1.18	19.67	39	45
	3.0	300	5.8	1.30	21.75	39	45

Bold = Recommended pressure

Note: The Pro-Spray PRS30's built-in pressure regulator controls output to a maximum of 2.1 bar; 210 kPa. Adjusting the radius reduction screw may be required to achieve catalogue radius and flow.

PRO FIXED NOZZLES

Pro Fixed Nozzles are designed for high accuracy within a variety of landscape shapes and sizes.

KEY BENEFITS

- Clean edges for a defined pattern with better wind resistance
- Large water droplets minimise misting with better uniformity
- Sturdy construction ensures reliable performance
- Colour-coded for easy field identification

OPERATING SPECIFICATIONS

- Recommended operating pressure: 2.1 bar; 210 kPa
- Pair with Pro-Spray™ PRS30 Sprinkler Bodies for pressure regulation to 2.1 bar; 210 kPa
- Warranty period: 2 years

PRO FIXED NOZZLES						
ARC	5	8	10	12	15	17
Q						
T	Use 4A/6A Nozzle					Use 17A Nozzle
H						
F						Use 17A Nozzle
	1.5 m	2.4 m	3.0 m	3.7 m	4.6 m	5.2 m

NOZZLES

PRO FIXED NOZZLES PERFORMANCE DATA



5 1.5 m radius
Fixed: ¼, ½, Full
Trajectory: 0°
● Blue

8 2.4 m radius
Fixed: ¼, ⅓, ½, Full
Trajectory: 15°
● Brown

10 3.0 m radius
Fixed: ¼, ⅓, ½, Full
Trajectory: 15°
● Red

Arc	Position	Pressure		Radius		Flow		Precip mm/hr		Radius		Flow		Precip mm/hr		Radius		Flow		Precip mm/hr																		
		bar	kPa	m	m³/hr	l/min	■	▲	m	m³/hr	l/min	■	▲	m	m³/hr	l/min	■	▲	m	m³/hr	l/min	■	▲															
90° Q	Q	1.0	100	1.1	0.02	0.30	60	69	1.8	0.04	0.62	46	53	2.4	0.07	1.08	45	52	1.5	150	1.3	0.02	0.38	54	62	2.1	0.05	0.84	46	53	2.7	0.08	1.33	44	51			
		2.1	210																1.5	0.03	0.46	49	57	2.4	0.05	0.91	38	44	3.0	0.09	1.57	42	48	3.3	0.10	1.71	38	44
		2.5	250																1.7	0.03	0.51	42	49	2.7	0.06	0.98	32	37	3.3	0.10	1.71	38	44	3.4	0.11	1.85	38	44
		3.0	300																1.8	0.03	0.53	39	45	2.7	0.06	1.10	36	42	3.4	0.11	1.85	38	44					
120° T	T	1.0	100	1.1	0.02	0.30	60	69	1.8	0.05	0.83	46	53	2.4	0.09	1.44	45	52	1.5	150	Use 4A or 6A Nozzle				2.1	0.07	1.10	45	52	2.7	0.11	1.77	44	50				
		2.1	210																2.4	0.07	1.21	38	44	3.0	0.13	2.09	42	48	3.3	0.14	2.31	38	44					
		2.5	250																2.7	0.08	1.32	33	38	3.3	0.14	2.31	38	44	3.4	0.15	2.50	39	45					
		3.0	300																2.7	0.09	1.44	36	41	3.4	0.15	2.50	39	45										
180° H	H	1.0	100	1.1	0.04	0.60	60	69	1.8	0.08	1.33	49	57	2.4	0.13	2.17	45	52	1.5	150	1.3	0.05	0.76	54	62	2.1	0.10	1.63	44	51	2.7	0.16	2.65	44	50			
		2.1	210																1.5	0.06	0.87	49	57	2.4	0.11	1.80	38	43	3.0	0.19	3.14	42	48	3.3	0.22	3.60	40	46
		2.5	250																1.7	0.06	0.95	42	49	2.7	0.12	1.93	32	37	3.3	0.22	3.60	40	46	3.4	0.23	3.90	40	47
		3.0	300																1.8	0.06	1.04	39	44	2.7	0.13	2.10	35	40	3.4	0.23	3.90	40	47					
360° F	F	1.0	100	1.1	0.07	1.20	60	69	1.8	0.16	2.67	49	57	2.4	0.26	4.33	45	52	1.5	150	1.3	0.09	1.52	54	62	2.1	0.20	3.33	45	52	2.7	0.32	5.31	44	50			
		2.1	210																1.5	0.11	1.85	49	57	2.4	0.22	3.67	38	44	3.0	0.38	6.28	42	48	3.3	0.41	6.85	38	44
		2.5	250																1.7	0.12	2.04	42	49	2.7	0.24	4.01	33	38	3.3	0.41	6.85	38	44	3.4	0.42	6.97	36	42
		3.0	300																1.8	0.12	2.10	39	45	2.7	0.26	4.35	36	41	3.4	0.42	6.97	36	42					

Bold = Recommended pressure

Pro Fixed Nozzles



PRO FIXED NOZZLES PERFORMANCE DATA



12 3.7 m radius
Fixed: ¼, ½, ¾, Full
● Green Trajectory: 28°

15 4.6 m radius
Fixed: ¼, ½, ¾, Full
● Black Trajectory: 28°

17 5.2 m radius
Fixed: ¼, ½
● Grey Trajectory: 28°

Arc	Position	Pressure		Radius		Flow		Precip mm/hr		Radius		Flow		Precip mm/hr		Radius		Flow		Precip mm/hr		
		bar	kPa	m	m	m ³ /hr	l/min	■	▲	m	m ³ /hr	l/min	■	▲	m	m ³ /hr	l/min	■	▲			
90° 	Q	1.0	100	3.0	0.10	1.58	42	49	3.9	0.15	2.50	39	46	4.7	0.19	3.17	34	40				
		1.5	150	3.4	0.12	2.00	42	48	4.2	0.18	3.06	42	48	4.9	0.23	3.88	39	45				
		2.1	210	3.7	0.15	2.43	43	49	4.6	0.22	3.62	41	47	5.2	0.28	4.59	41	47				
		2.5	250	4.0	0.16	2.69	40	47	4.9	0.24	3.95	39	46	5.5	0.30	5.01	40	46				
		3.0	300	4.0	0.18	2.95	44	51	5.2	0.26	4.32	38	44	5.8	0.32	5.30	38	44				
120° 	T	1.0	100	3.0	0.13	2.11	42	49	3.9	0.20	3.33	39	46									
		1.5	150	3.4	0.16	2.67	42	48	4.2	0.24	4.08	42	48									
		2.1	210	3.7	0.19	3.25	43	49	4.6	0.29	4.83	41	47	Use 17A Nozzle								
		2.5	250	4.0	0.22	3.67	41	48	4.9	0.32	5.27	40	46									
180° 	H	1.0	100	3.0	0.19	3.17	42	49	3.9	0.30	5.00	39	46	4.7	0.38	6.33	34	40				
		1.5	150	3.4	0.24	4.01	42	48	4.2	0.37	6.12	42	48	4.9	0.47	7.76	39	45				
		2.1	210	3.7	0.29	4.87	43	49	4.6	0.43	7.25	41	47	5.2	0.55	9.18	41	47				
		2.5	250	4.0	0.32	5.39	40	47	4.9	0.47	7.91	40	46	5.5	0.60	10.01	40	46				
360° 	F	1.0	100	3.0	0.38	6.33	42	49	3.9	0.60	10.00	39	46									
		1.5	150	3.4	0.48	8.01	42	48	4.2	0.73	12.25	42	48									
		2.1	210	3.7	0.58	9.74	43	49	4.6	0.87	14.49	41	47	Use 17A Nozzle								
		2.5	250	4.0	0.65	10.78	40	47	4.9	0.95	15.81	40	46									
		3.0	300	4.0	0.70	11.73	44	51	5.2	0.99	16.50	37	42									

Bold = Recommended pressure

SHORT-RADIUS MICRO SPRAY NOZZLES

These highly accurate nozzles are perfect for small spaces and can support a robust micro spray system with Pro-Spray™ Sprinkler Bodies.

KEY BENEFITS



- Low flow for controlled irrigation of tight spaces
- Meets micro spray requirement of 114 l/hr max flow at 2.1 bar; 210 kPa
- Built to last for a robust overhead solution for small spaces

OPERATING SPECIFICATIONS



- Recommended operating pressure: 2.1 bar; 210 kPa
- Pair with Pro-Spray PRS30 pop-up for pressure regulation to 2.1 bar; 210 kPa

SHORT-RADIUS NOZZLES PERFORMANCE DATA



● Nozzle Lt. Brown

Arc	Pressure		Position	Radius m	Flow		*Precip mm/hr
	bar	kPa			l/min	l/hr	
90° 	1.0	100	2Q	0.6	0.34	20	57
	1.5	150		0.6	0.38	23	63
	2.1	210		0.6	0.42	25	70
	2.5	250		0.6	0.49	29	82
	3.0	300		0.6	0.53	32	88
180° 	1.0	100	2H	0.6	0.53	32	44
	1.5	150		0.6	0.57	34	48
	2.1	210		0.6	0.76	46	63
	2.5	250		0.6	0.77	46	64
	3.0	300		0.6	0.80	48	67

● Nozzle Lt. Green

Arc	Pressure		Position	Radius m	Flow		*Precip mm/hr
	bar	kPa			l/min	l/hr	
90° 	1.0	100	4Q	1.2	0.68	41	28
	1.5	150		1.2	0.76	46	32
	2.1	210		1.2	0.76	46	32
	2.5	250		1.2	0.83	50	35
	3.0	300		1.2	0.91	55	38
180° 	1.0	100	4H	1.2	1.25	75	26
	1.5	150		1.2	1.29	77	27
	2.1	210		1.2	1.51	91	31
	2.5	250		1.2	1.52	91	32
	3.0	300		1.2	1.67	100	35

● Nozzle Lt. Blue

Arc	Pressure		Position	Radius m	Flow		*Precip mm/hr
	bar	kPa			l/min	l/hr	
90° 	1.0	100	6Q	1.8	0.83	50	15
	1.5	150		1.8	0.91	55	17
	2.1	210		1.8	1.14	68	21
	2.5	250		1.8	1.14	68	21
	3.0	300		1.8	1.14	68	21
180° 	1.0	100	6H	1.8	1.52	91	14
	1.5	150		1.8	1.67	100	15
	2.1	210		1.8	1.90	114	18
	2.5	250		1.8	1.97	118	18
	3.0	300		1.8	2.05	123	19

Bold = Recommended pressure

*Precipitation rate shown without overlap



2Q Nozzle
Radius: 0.6 m



2H Nozzle
Radius: 0.6 m



4Q Nozzle
Radius: 1.2 m



4H Nozzle
Radius: 1.2 m



6Q Nozzle
Radius: 1.8 m



6H Nozzle
Radius: 1.8 m

Short-Radius Micro Spray Nozzle



STRIP PATTERN NOZZLES

Irrigate narrow turf and planter areas accurately with fixed arc Strip Pattern Nozzles.

KEY BENEFITS

- Designed for accurate coverage of strip areas
- Available in a variety of models for unique, rectangular spaces
- Built to last in harsh conditions

OPERATING SPECIFICATIONS

- Recommended operating pressure: 2.1 bar; 210 kPa
- Pair with Pro-Spray™ PRS30 pop-up for pressure regulation to 2.1 bar; 210 kPa
- Warranty period: 2 years



Left Corner Strip
Rectangle: 1.5 m x 4.5 m



Right Corner Strip
Rectangle: 1.5 m x 4.5 m



Side Strip
Rectangle: 1.5 m x 9.1 m



Side Strip
Rectangle: 2.7 m x 5.5 m









Center Strip
Rectangle: 1.5 m x 9.1 m



End Strip
Rectangle: 1.5 m x 4.5 m

STRIP PATTERN NOZZLE PERFORMANCE DATA

Arc	Pressure		Width x Length m	Flow	
	bar	kPa		m ³ /hr	l/min
LCS-515 	1.0	100	1.2 x 4.2	0.10	1.7
	1.5	150	1.2 x 4.3	0.13	2.1
	2.1	210	1.5 x 4.5	0.15	2.5
	2.5	250	1.5 x 4.5	0.16	2.7
	3.0	300	1.5 x 4.5	0.17	2.8
RCS-515 	1.0	100	1.2 x 4.2	0.10	1.7
	1.5	150	1.2 x 4.3	0.13	2.1
	2.1	210	1.5 x 4.5	0.15	2.5
	2.5	250	1.5 x 4.5	0.16	2.7
	3.0	300	1.5 x 4.5	0.17	2.8
SS-530 	1.0	100	1.2 x 8.5	0.21	3.5
	1.5	150	1.5 x 9.0	0.25	4.2
	2.1	210	1.5 x 9.1	0.30	5.0
	2.5	250	1.5 x 9.1	0.33	5.5
	3.0	300	1.5 x 9.1	0.34	5.7
SS-918 	1.0	100	2.4 x 5.2	0.27	4.5
	1.5	150	2.7 x 5.5	0.33	5.5
	2.1	210	2.7 x 5.5	0.39	6.5
	2.5	250	2.7 x 5.5	0.43	7.1
	3.0	300	2.7 x 5.5	0.47	7.9
CS-530 	1.0	100	1.2 x 8.5	0.21	3.5
	1.5	150	1.5 x 9.0	0.25	4.2
	2.1	210	1.5 x 9.1	0.30	5.0
	2.5	250	1.5 x 9.1	0.33	5.5
	3.0	300	1.5 x 9.1	0.34	5.7
ES-515 	1.0	100	1.1 x 4.2	0.10	1.7
	1.5	150	1.2 x 4.3	0.13	2.1
	2.1	210	1.5 x 4.5	0.15	2.5
	2.5	250	1.5 x 4.5	0.16	2.7
	3.0	300	1.5 x 4.5	0.17	2.8

Bold = Recommended pressure

RCS-515









BUBBLER NOZZLES

Deliver a consistent flow regardless of inlet pressure with pressure-compensating Bubbler Nozzles.

KEY BENEFITS

- Pressure-compensating for constant water flow at any pressure
- Nozzle threaded for use with Pro-Spray™ Sprinkler Bodies
- Designed for deep watering of planted areas
- Warranty period: 2 years

MULTI-STREAM BUBBLER PERFORMANCE DATA

Arc	Model	Flow		Radius m
		m ³ /hr	l/min	
	MSBN-25Q	0.06	0.9	0.30
	MSBN-50Q	0.11	1.9	0.46
	MSBN-50H	0.11	1.9	0.30
	MSBN-10H	0.23	3.8	0.46
	MSBN-10F	0.23	3.8	0.30
	MSBN-20F	0.45	7.6	0.46

Notes:

Typical spacing 0.6 to 1.2 m. Flows shown for pressures between 1.0 and 4.8 bar; 100 and 480 kPa.



MSBN Installed on PROS-04

Combining Hunter Bubbler Nozzles with Pro-Spray Sprinkler Bodies provides the watering precision of pressure-compensating bubblers paired with the benefit of retracting the nozzle out of sight.

Multi-Stream Bubbler



MULTI-STREAM BUBBLER NOZZLES



MSBN-25Q
Flow: 0.06 m³/hr;
0.9 l/min



MSBN-50Q/50H
Flow: 0.11 m³/hr;
1.9 l/min







MSBN-10H/10F
Flow: 0.23 m³/hr;
3.8 l/min



MSBN-20F
Flow: 0.45 m³/hr;
7.6 l/min

PCN PERFORMANCE DATA

Model	Flow		Pattern Type	
	m ³ /hr	l/min		
	25	0.06	0.9	Trickle
	50	0.11	1.9	Trickle
	10	0.23	3.8	Umbrella
	20	0.46	7.6	Umbrella

Notes:

Typical spacing 0.3 to 0.9 m. Flows shown for pressures between 1.0 and 4.8 bar; 100 and 480 kPa.

PCN



PCN BUBBLER NOZZLES



PCN-25
Flow: 0.06 m³/hr;
0.9 l/min



PCN-50
Flow: 0.11 m³/hr;
1.9 l/min




PCN-10
Flow: 0.23 m³/hr;
3.8 l/min



PCN-20
Flow: 0.46 m³/hr;
7.6 l/min

5-CST-B BUBBLER NOZZLE PERFORMANCE DATA

Pressure	Radius		Flow	
	bar	kPa	m	m ³ /hr l/min
	1.0	100	1.5	0.07 1.1
	1.5	150	1.5	0.07 1.2
	2.0	200	1.5	0.09 1.4
	2.1	210	1.5	0.09 1.5
	2.5	250	1.5	0.10 1.6

5-CST-B



DUAL-STREAM BUBBLER NOZZLE



5-CST-B

BUBBLERS

Ensure consistent flow regardless of pressure with above-ground, pressure-compensating Bubblers.


KEY BENEFITS

- Pressure-compensating for constant water flow at any pressure
- Designed for deep watering of planted areas
- ½" threaded inlet for easy installation on a ½" riser

OPERATING SPECIFICATIONS

- *SASO Quality Mark Certified
- Warranty period: 2 years

PCB PERFORMANCE DATA

	Model	Flow		Pattern Type
		m ³ /hr	l/min	
	25	0.06	0.9	Trickle
	50	0.11	1.9	Trickle
	10	0.23	3.8	Umbrella
	20	0.45	7.6	Umbrella

Notes:

Typical spacing 0.6 to 1.2 m. Flows shown for pressures between 1.0 and 4.8 bar; 100 and 480 kPa.

PCB



PRESSURE-COMPENSATING BUBBLERS




PCB*



PCB-R*

AFB PERFORMANCE DATA

	Model	Flow		Pattern Type
		m ³ /hr	l/min	
	AFB	< 0.45	< 7.6	Trickle/ Umbrella

AFB



ADJUSTABLE FLOOD BUBBLER



AFB