

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
- I-80-ON nozzle choices: 7 standard
- Radius I-80: 19.8 to 28.7 m
- Radius I-80-ON: 19.2 to 29.6 m
- Flow I-80: 4.6 to 13.5 m³/hr; 76.5 to 225.6 l/min
- Flow I-80-ON: 4.9 to 13.3 m³/hr; 81.8 to 221.4 l/min
- Recommended pressure range: 3.4 to 6.9 bar; 340 to 690 kPa
- Operating pressure range: 2.7 to 10.3 bar; 275 to 1030 kPa
- Precipitation rates: 10 mm/hr approximately
- Warranty period: 5 years

FACTORY-INSTALLED OPTIONS

- Exclusive ProTech TC™ 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
- Reclaimed water ID

USER-INSTALLED OPTIONS

- Rubber cover kit #959300SP
- Turf cup kit #959400SP
- HSJ prefabricated PVC swing joints



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"



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"



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 Featured Options	4 Nozzle Options
I-80-04-SS = 10 cm pop-up I-80-04-SS-TC = 10 cm pop-up with turf cup	Adjustable arc, stainless steel riser, check valve Adjustable arc, stainless steel riser, check valve, factory-installed turf cup	R = Reclaimed water ID* B = BSP inlet threads <i>* TC reclaimed ID not available</i>	#23 to #53 = Factory-installed nozzle number, no nozzle pack
I-80-04-SS-ON = 10 cm pop-up I-80-04-SS-ON-TC = 10 cm pop-up with turf cup	Full-circle, opposing nozzle, stainless steel riser, check valve Full-circle, opposing nozzle, stainless steel riser, check valve, factory-installed turf cup	R = Reclaimed water ID* B = BSP inlet threads <i>* TC reclaimed ID not available</i>	#23 to #53 = Factory-installed nozzle number, no nozzle pack

Example:

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-R-B-38 = 10 cm pop-up, stainless steel riser, check valve, opposing nozzle full-circle, reclaimed water ID, 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-ON NOZZLE PERFORMANCE DATA*

Nozzle Set			Pressure		Radius	Flow		Precip mm/hr	
			bar	kPa	m	m ³ /hr	l/min	■	▲
●	●	●	3.4	344	19.2	4.91	81.8	13.3	15.4
Tan	●	Lt. Blue	4.1	413	19.8	5.22	87.1	13.3	15.4
803611	23	315311	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
Green	●	●	5.5	551	20.7	6.04	100.7	14.1	16.2
●	●	●	4.5	450	21.6	6.50	108.3	13.9	16.0
Tan	●	Lt. Blue	4.8	482	22.3	6.75	112.5	13.6	15.7
803611	25	315311	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
Blue	●	●	6.9	689	23.5	8.12	135.3	14.7	17.0
●	●	●	4.5	450	22.6	7.02	117.0	13.8	15.9
Tan	●	Lt. Blue	4.8	482	22.9	7.27	121.1	13.9	16.1
803611	33	315311	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
Grey	●	●	6.9	689	24.7	8.68	144.6	14.2	16.4
●	●	●	4.5	450	23.5	7.97	132.9	14.5	16.7
Tan	●	Lt. Blue	4.8	482	24.1	8.31	138.5	14.3	16.6
803611	38	315311	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
Red	●	●	6.9	689	26.5	9.90	165.0	14.1	16.3
●	●	●	-	-	-	-	-	-	-
Tan	●	Lt. Blue	4.8	482	25.3	9.38	156.3	14.7	16.9
803611	43	315311	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
Dk. Brown	●	●	6.9	689	27.1	11.09	184.7	15.1	17.4
●	●	●	-	-	-	-	-	-	-
Tan	●	Lt. Blue	4.8	482	27.4	10.65	177.5	14.2	16.3
803611	48	315311	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
Dk. Green	●	●	6.9	689	29.3	12.15	202.5	14.2	16.4
●	●	●	-	-	-	-	-	-	-
Tan	●	Lt. Blue	4.8	482	27.7	11.31	188.5	14.7	17.0
803611	53	315311	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
Dk. Blue	●	●	6.9	689	29.6	13.29	221.4	15.2	17.6

I-80 NOZZLES



I-80 NOZZLE PERFORMANCE DATA

Nozzle Set			Pressure		Radius	Flow		Precip mm/hr	
			bar	kPa	m	m ³ /hr	l/min	■	▲
Orange	●	Lt. Green	3.4	344	19.8	4.59	76.5	11.7	13.5
803603	23	315313	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	●	Lt. Green	4.5	450	21.6	6.43	107.1	13.7	15.8
803603	25	315313	4.8	482	21.9	6.66	110.9	13.8	16.0
●	●	●	5.5	551	22.3	7.16	119.2	14.5	16.7
●	Blue	●	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	●	Lt. Green	4.5	450	21.9	6.95	115.8	14.4	16.7
803603	33	315313	4.8	482	22.3	7.18	119.6	14.5	16.7
●	●	●	5.5	551	22.9	7.70	128.3	14.7	17.0
●	Grey	●	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	●	Lt. Green	4.5	450	23.2	7.93	132.1	14.8	17.1
803603	38	315313	4.8	482	23.8	8.22	137.0	14.5	16.8
●	●	●	5.5	551	24.4	8.88	148.0	14.9	17.2
●	Red	●	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	●	Lt. Green	-	-	-	-	-	-	-
803603	43	315313	4.8	482	24.7	9.36	156.0	15.4	17.7
●	●	●	5.5	551	25.3	9.88	164.7	15.4	17.8
●	Dk. Brown	●	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	●	Lt. Green	-	-	-	-	-	-	-
803603	48	315313	4.8	482	25.3	10.52	175.3	16.4	19.0
●	●	●	5.5	551	25.9	10.99	183.2	16.4	18.9
●	Dk. Green	●	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	●	Lt. Green	-	-	-	-	-	-	-
803603	53	315313	4.8	482	26.5	11.52	191.9	16.4	18.9
●	●	●	5.5	551	27.1	12.06	201.0	16.4	18.9
●	Dk. Blue	●	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

● = 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.