

I-80

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

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

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



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 ●	 23 Green	Lt. Green 315313 ●	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
			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 ●	 25 Blue	Lt. Green 315313 ●	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
			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 ●	 33 Grey	Lt. Green 315313 ●	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
			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 ●	 38 Red	Lt. Green 315313 ●	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
			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 ●	 43 Dk. Brown	Lt. Green 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
			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 ●	 48 Dk. Green	Lt. Green 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
			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 ●	 53 Dk. Blue	Lt. Green 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
			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.

I-80-ON NOZZLE PERFORMANCE DATA*

Nozzle Set			Pressure		Radius	Flow		Precip mm/hr	
			bar	kPa	m	m ³ /hr	l/min	■	▲
Tan 803611 ●	 23 Green	Lt. Blue 315311 ●	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
			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 ●	 25 Blue	Lt. Blue 315311 ●	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
			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 ●	 33 Grey	Lt. Blue 315311 ●	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
			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 ●	 38 Red	Lt. Blue 315311 ●	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
			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 ●	 43 Dk. Brown	Lt. Blue 315311 ●	-	-	-	-	-	-	-
			4.8	482	25.3	9.38	156.3	14.7	16.9
			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 ●	 48 Dk. Green	Lt. Blue 315311 ●	-	-	-	-	-	-	-
			4.8	482	27.4	10.65	177.5	14.2	16.3
			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 ●	 53 Dk. Blue	Lt. Blue 315311 ●	-	-	-	-	-	-	-
			4.8	482	27.7	11.31	188.5	14.7	17.0
			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

I-80 NOZZLES