

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
- Forward-facing triple nozzles (I-80) or opposing triple nozzles (I-80-ON) create uniform nozzle profiles in part and full-circle applications
- QuickSet-360 arc mechanism (I-80) converts adjustable arc rotor to full-circle in an instant
- Ratcheting stainless steel riser allows setting of right-side fixed arc alignment to the landscape without rotor disassembly
- Exclusive PressurePort™ technology creates exceptional nozzle uniformity
- QuickCheck™ arc mechanism (I-80) for fast arc adjustment and review of the arc setting
- Part- and full-circle in one model provides flexible installation options and reduces inventory (I-80)
- Drain check valve prevents low-head drainage (up to 5' of elevation)

Operating Specifications

- I-80
 - Standard 22.5° nozzle choices: 7
 - Radius: 19.8 to 28.7 m
 - Flow: 4.6 to 13.5 m³/hr; 76.5 to 225.6 l/min
 - Pressure range: 50 to 100 PSI
- I-80-ON
 - Standard 22.5° nozzle choices: 7
 - Radius: 19.2 to 29.6 m
 - Flow: 4.9 to 13.3 m³/hr; 81.8 to 221.4 l/min
 - Pressure range: 65 to 100 PSI
- 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

- 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

Radius: 63' to 97'
Flow: 20.2 to 59.6 GPM
Flow: 76.5 to 225.6 l/min
Inlet Size: 1½" NPT



I80-04-SS-B Pop-up
I80-04-SS-ON-B Pop-up
Pop-up Height: 9.5 cm
Overall Height: 25 cm
Exposed Diameter: 11 cm
Inlet Size: 1½"



I80-04-SS-TC-B Turf Cup
I80-04-SS-TC-ON-B Turf Cup
Pop-up Height: 9.5 cm
Overall Height: 29 cm
Exposed Diameter: 8.9 cm
Inlet Size: 1½"



I-80 Reclaimed
Snap Ring Assembly
P/N 450105



I-80 Turf Cup Kit
P/N 959400SP



I-80 Rubber Cover Kit
P/N 959300SP

User-Installed Options

- Turf cup kit P/N: 959400SP
 - Rubber cover kit P/N: 959300SP
- Reclaimed water ID P/N: 450105
 - HSJ prefabricated PVC swing joints

Model	Description
P/N 959400SP	I-80 Turf Cup Kit
P/N 959300SP	I-80 Rubber Cover Kit
450105	Reclaimed water ID snap ring

I-80 - SPECIFICATION BUILDER

1	Model	2	Standard Features	3	Nozzle Options
	I80-04-SS-B 10 cm Pop-Up		Adjustable arc, stainless steel riser	23	33
				25	38
				43	48
	I80-04-SS-TC-B 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		#23 to #53 Factory-installed nozzle number, no nozzle pack #25S = Includes nozzle pack #2 #48S = Includes nozzle pack #3
				53	

Nozzle Set			Pressure		Radius	Flow		Precip in/hr	
			bar	kPa	m	m3/hr	l/min	■	▲
 Orange 803603  Green 23	 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  Blue 25	 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  Gray 33	 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  Red 38	 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	9.36	156.0	15.0	17.3
			6.9	689	25.6	9.88	164.7	15.1	17.4
 Orange 803603  Dk. Brown 43	 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  Dk. Green 48	 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  Dk. Blue 53	 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

● = Nozzle plug P/N 315300 installed in the front side of the nozzle housing.

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

Nozzle Set			Pressure		Radius	Flow		Precip in/hr	
			bar	kPa	m	m ³ /hr	l/min	■	▲
 Tan 803611  23  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  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  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  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  Lt. Blue 315311			-	-	-	-	-	-	-
			4.8	482	25.3	9.38	156.3	14.7	16.9
			5.5	551	25.9	9.90	165	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  Lt. Blue 315311			-	-	-	-	-	-	-
			4.8	482	27.4	10.65	177.5	14.2	16.3
			5.5	551	28	11.11	185.1	14.1	16.3
			6.2	620	28.7	11.46	191	14.0	16.1
			6.9	689	29.3	12.15	202.5	14.2	16.4
 Tan 803611  53  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

● = Nozzle plug P/N 315300 installed in the front side of the nozzle housing.

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