

## 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
- Exclusive PressurePort™ Technology creates exceptional nozzle uniformity
- Forward-facing triple nozzles (I-80) or opposing triple nozzles (I-80-ON) create uniform nozzle profiles in part and full-circle applications
- QuickCheck™ Arc Mechanism (I-80) for fast arc adjustment and review of the arc setting
- QuickSet-360 Arc Mechanism (I-80) converts adjustable arc rotor to full-circle in an instant
- Part- and full-circle in one model provides flexible installation options and reduces inventory (I-80)
- Ratcheting stainless steel riser allows setting of right-side fixed arc alignment to the landscape without rotor disassembly
- 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 m<sup>3</sup>/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 m<sup>3</sup>/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 1,030 kPa
- Precipitation rates: 10 mm/hr approximately
- Warranty period: 5 years







## User-Installed Options

- Rubber Cover kit P/N 959300SP
- Turf Cup kit P/N 959400SP
- [Prefabricated PVC HSJ Swing Joints](#)
  - HSJ-3-6-5-2-12 HSJ Swing Joint, 1½" heavy-duty swing joint, 1½" (40 mm) male BSP inlet, 1½" (40 mm) male BSP outlet, single top-out, 12" lay arm
  - HSJ-3-6-5-2-18 HSJ Swing Joint, 1½" heavy-duty swing joint, 1½" (40 mm) male BSP inlet, 1½" (40 mm) male BSP outlet, single top-out, 18" lay arm
  - HSJ-3-6-5-4-12 HSJ Swing Joint, 1½" heavy-duty swing joint, 1½" (40 mm) male BSP inlet, 1½" (40 mm) male BSP outlet, triple top-out, 18" lay arm
  - HSJ-3-6-5-4-18 HSJ Swing Joint, 1½" heavy-duty swing joint, 1½" (40 mm) male BSP inlet, 1½" (40 mm) male BSP outlet, triple top-out, 12" lay arm

## I-80 Nozzle Performance Data

I-80 Nozzle Performance Data\*

Nozzle Set			Pressure		Radius	
			bar	kPa	m	m3
 803603 	 23 Green	 315313 	3.4	344	19.8	4.
			4.1	413	20.1	5.
			4.5	450	20.4	5.
			4.8	482	20.4	5.
 803603 	 25 Blue	 315313 	4.5	450	21.6	6.
			4.8	482	21.9	6.
			5.5	551	22.3	7.
			6.2	620	22.6	7.
 803603 	 33 Gray	 315313 	4.5	450	21.9	6.
			4.8	482	22.3	7.
			5.5	551	22.9	7.
			6.2	620	23.5	8.
 803603 	 38 Red	 315313 	4.5	450	23.2	7.
			4.8	482	23.8	8.
			5.5	551	24.4	8.
			6.2	620	25	9.
 803603 	 43 Dk. Brown	 315313 	-	-	-	
			4.8	482	24.7	9.
			5.5	551	25.3	9.
			6.2	620	26.2	10.
			6.9	689	27.1	11.



















Orange  803603 ●	 48 Dk. Green	Lt. Green  315313 ●	-	-	-	-
			4.8	482	25.3	10
			5.5	551	25.9	10
			6.2	620	27.1	11
Orange  803603 ●	 53 Dk. Blue	Lt. Green  315313 ●	-	-	-	-
			4.8	482	26.5	11
			5.5	551	27.1	12
			6.2	620	28.0	12
			6.9	689	28.7	13




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

\*Complies to ASAE standard. All precipitation rates calculated for 360 degree operation. For the precipitation rate for a 180 degree sprinkler, multiply by 2. All triangular rates are equilateral.

### I-80-ON Nozzle Performance Data

I-80-ON Nozzle Performance Data\*

Nozzle Set			Pressure		Radius	
			bar	kPa	m	m <sup>3</sup>
●		●	3.4	344	19.2	4.
Tan  803611 ●	 23 Green	Lt. Blue  315311 ●	4.1	413	19.8	5.
			4.5	450	20.1	5.
			4.8	482	20.4	5.
			5.5	551	20.7	6.
Tan  803611 ●	 25 Blue	Lt. Blue  315311 ●	4.5	450	21.6	6.
			4.8	482	22.3	6.
			5.5	551	22.6	7.
			6.2	620	22.9	7.
Tan  803611 ●	 33 Gray	Lt. Blue  315311 ●	6.9	689	23.5	8.
			4.5	450	22.6	7.
			4.8	482	22.9	7.
			5.5	551	23.5	7.
Tan  803611 ●	 38 Red	Lt. Blue  315311 ●	6.2	620	24.1	8.
			4.5	450	23.5	7.
			4.8	482	24.1	8.
			5.5	551	25.0	8.
Tan  803611 ●	 43 Dk. Brown	Lt. Blue  315311 ●	6.9	689	26.5	9.
			4.8	482	25.3	9.
			5.5	551	25.9	9.
			6.2	620	26.5	10
Tan  803611 ●	 48 Dk. Green	Lt. Blue  315311 ●	6.9	689	27.1	11
			-	-	-	-
			4.8	482	27.4	10
			5.5	551	28	11

6.2	620	28.7	11.46	191	14.0	16
6.9	689	29.3	12.15	202.5	14.2	16
●		●	-	-	-	
Tan  803611	 53 Dk. Blue	Lt. Blue  315311	4.8	482	27.7	11
			5.5	551	28.3	11
			6.2	620	29.0	12
			6.9	689	29.6	13

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

\*Complies to ASAE standard. All precipitation rates calculated for 360 degree operation. For the precipitation rate for a 180 degree sprinkler, multiply by 2. All triangular rates are equilateral.

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