

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 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 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*

Nozzle Set			Pressure		Radius	
			bar	kPa	m	m3
Orange  803603 	 23 Green	Lt. 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.
			5.5	551	21.0	5.
Orange  803603 	 25 Blue	Lt. Green  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.
			6.9	689	22.9	8.
Orange  803603 	 33 Gray	Lt. Green  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.
			6.9	689	24.1	8.
Orange  803603 	 38 Red	Lt. Green  315313 	4.5	450	23.2	7.
			4.8	482	23.8	8.
			5.5	551	24.4	8.
			6.2	620	25	9.
			6.9	689	25.6	9.
Orange  803603 	 43 Dk. Brown	Lt. Green  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.
			6.9	689	27.7	12.
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*

Nozzle Set			Pressure		Radius	m ³
			bar	kPa	m	
			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.
			4.5	450	21.6	6.
 Tan 803611	 25 Blue	 Lt. Blue 315311	4.8	482	22.3	6.
			5.5	551	22.6	7.
			6.2	620	22.9	7.
			6.9	689	23.5	8.
			4.5	450	22.6	7.
 Tan 803611	 33 Gray	 Lt. Blue 315311	4.8	482	22.9	7.
			5.5	551	23.5	7.
			6.2	620	24.1	8.
			6.9	689	24.7	8.
			4.5	450	23.5	7.
 Tan 803611	 38 Red	 Lt. Blue 315311	4.8	482	24.1	8.
			5.5	551	25.0	8.
			6.2	620	25.6	9.
			6.9	689	26.5	9.
			-	-	-	-
 Tan 803611	 43 Dk. Brown	 Lt. Blue 315311	4.8	482	25.3	9.
			5.5	551	25.9	9.
			6.2	620	26.5	10.
			6.9	689	27.1	11.
			-	-	-	-
 Tan 803611	 48 Dk. Green	 Lt. Blue 315311	4.8	482	27.4	10.
			5.5	551	28	11.
			6.2	620	28.7	11.
			6.9	689	29.3	12.
			-	-	-	-
 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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