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^3/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^3/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	Flow		Precip in/hr	
			bar	kPa	m	m3/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 Gray	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	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 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.