

# I-80

Radius: **11.3 to 29.6 m**  
 Flow: **2.0 to 13.5 m<sup>3</sup>/hr; 33.7 to 225.6 l/min**  
 Inlet: **1" & 1½"**

## FEATURES

- Models:
  - I-80: True full-circle/adjustable part-circle (60° to 360°)
  - I80-ON: Full-circle opposing nozzles
- QuickCheck™ arc mechanism (I-80)
- QuickSet-360 arc mechanism (I-80)
- Nozzle range:
  - I-80: #10 to #53
  - I80-ON: #15 to #53
- Exclusive PressurePort™ nozzle technology
- Exclusive ProTech Turf Cup System
  - No-dig servicing of riser assembly
  - No-dig arc adjustments
  - Quick-release turf cup assembly
  - Threads in cup lock/retain the turf
- Water-lubricated gear-drive
- Check height up to 1.5 m in elevation change
- Warranty period: 5 years
- ▶ Exclusive Total-Top-Service (TTS) design
- ▶ Contour back-nozzle capable
- ▶ Ratcheting stainless steel riser
- ▶ Dual trajectory colour-coded nozzles:
  - I-80: 12 standard trajectory (22.5°)
  - I80-ON: 10 standard trajectory (22.5°)
  - I-80 & I80-ON: 9 low-angle trajectory (15°)

## OPERATING SPECIFICATIONS

- I-80
  - Radius: 11.3 m to 28.7 m
  - Flow: 2.0 to 13.5 m<sup>3</sup>/hr; 33.7 to 225.6 l/min
  - Pressure range: 3.4 to 6.9 bar; 344 to 689 kPa
- I80-ON
  - Radius: 14.9 to 29.6 m
  - Flow: 3.2 to 13.3 m<sup>3</sup>/hr; 53.8 to 221.4 l/min
  - Pressure range: 3.4 to 6.9 bar; 344 to 689 kPa
- All I-80 rotors are pressure rated at 10 bar; 1000 kPa
- ▶ = *Advanced Feature descriptions on pages 12 and 173*
- ▶ = *TTS Advanced Features detailed on page 174*



**I80-00-SS Riser Mount**  
**I80-00-SS-ON Riser Mount**  
 Overall height: 24 cm  
 Exposed diameter: 5.7 cm  
 Inlet size: 1½"



**I80-04-SS Pop-up**  
**I80-04-SS-ON Pop-up**  
 Overall height: 25 cm  
 Pop-up height: 9.5 cm  
 Exposed diameter: 11 cm  
 Inlet size: 1" and 1½"



**I80-04-SS-TC Turf Cup**  
**I80-04-SS-ON-TC Turf Cup**  
 Overall height: 29 cm  
 Pop-up height: 9.5 cm  
 Exposed diameter: 8.9 cm  
 Inlet size: 1" and 1½"



**I80 Reclaimed**  
 Factory-installed option



**I80 Turf Cup Kit**  
 P/N 959400



**I80 Rubber Cover Kit**  
 P/N 959300

### I-80 - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Standard Features	3 Featured Options	4 Nozzle Options
<b>I80-00-SS</b> = Riser Mount <b>I80-04-SS</b> = 10 cm Pop-Up <b>I80-04-SS-TC</b> = 10 cm Pop-Up with Turf Cup	Adjustable arc, stainless steel riser Adjustable arc, stainless steel riser, check valve Adjustable arc, stainless steel riser, check valve factory-installed turf cup	<b>R</b> = Reclaimed water ID* <b>B</b> = BSP inlet threads * TC reclaimed ID not available	<b>#10 to #53</b> = Factory-installed nozzle number* * I-80 rotors only available with factory-installed nozzles (no nozzle packs included)
<b>I80-00-SS-ON</b> = Riser Mount <b>I80-04-SS-ON</b> = 10 cm Pop-Up <b>I80-04-SS-ON-TC</b> = 10 cm Pop-Up with Turf Cup	Full-circle, opposing nozzle, stainless steel riser Full-circle, opposing nozzle, stainless steel riser, check valve Full-circle, opposing nozzle, stainless steel riser, check valve, factory-installed turf cup	<b>R</b> = Reclaimed water ID* <b>B</b> = BSP inlet threads * TC reclaimed ID not available	<b>#15 to #53</b> = Factory-installed nozzle number* * I-80 rotors only available with factory-installed nozzles (no nozzle packs included)

**Example:**

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-R-B-38 = 10 cm pop-up, stainless steel riser, check-valve, opposing nozzle full-circle, reclaimed water ID, BSP inlet threads and factory installed #38 nozzle  
 I80-04-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

**180-ON NOZZLE PERFORMANCE DATA\***

Nozzle Set			Pressure		Radius	Flow		Precip mm/hr	
Nozzle	Housing	Plug	bar	kPa	m	m³/hr	l/min	■	▲
			803611	White	315317	3.4	344	14.9	3.23
Tan	15	Grey	4.1	413	15.5	3.57	59.4	14.8	17.0
			4.5	450	15.9	3.73	62.1	14.8	17.1
			4.8	482	16.2	3.86	64.4	14.8	17.1
			5.5	551	16.8	4.13	68.9	14.7	17.0
Tan	18	Grey	3.4	344	17.1	3.91	65.1	13.4	15.5
			4.1	413	17.7	4.28	71.3	13.7	15.8
			4.5	450	18.0	4.48	74.6	13.8	16.0
			4.8	482	18.3	4.54	75.7	13.6	15.7
Tan	20	Grey	3.4	344	17.4	4.18	69.7	13.8	16.0
			4.1	413	18.0	4.61	76.8	14.3	16.5
			4.5	450	18.6	4.86	81.0	14.1	16.2
			4.8	482	19.2	4.91	81.8	13.3	15.4
Tan	23	Lt. Blue	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
Tan	25	Lt. Blue	3.4	344	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
Tan	33	Lt. Blue	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
Tan	38	Lt. Blue	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
Tan	43	Blue	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
Dk. Brown	48	Dk. Blue	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
Dk. Brown	53	Dk. Blue	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

**180-ON NOZZLES**



**I-80 NOZZLES**



**LOW-ANGLE NOZZLES\*\***



**I-80 NOZZLE PERFORMANCE DATA**

Nozzle Set			Pressure		Radius	Flow		Precip mm/hr	
Nozzle	Housing	Plug	bar	kPa	m	m³/hr	l/min	■	▲
			803603	White	315312	3.4	344	11.3	2.02
Orange	10	Dk. Green	4.1	413	11.9	2.23	37.1	15.8	18.2
			4.5	450	12.5	2.32	38.6	14.8	17.1
			-	-	-	-	-	-	-
			-	-	-	-	-	-	-
Orange	13	White	3.4	344	14.3	2.59	43.2	12.6	14.6
			4.1	413	14.6	2.79	46.6	13.1	15.1
			4.5	450	14.9	2.93	48.8	13.1	15.2
			-	-	-	-	-	-	-
Orange	15	White	3.4	344	15.9	2.93	48.8	11.7	13.5
			4.1	413	15.9	3.29	54.9	13.1	15.1
			4.5	450	16.2	3.38	56.4	13.0	15.0
			4.8	482	16.2	3.52	58.7	13.5	15.6
Orange	18	Lt. Green	3.4	344	17.4	3.77	62.8	12.5	14.4
			4.1	413	17.7	4.04	67.4	12.9	14.9
			4.5	450	18.0	4.23	70.4	13.1	15.1
			4.8	482	18.3	4.41	73.4	13.2	15.2
Orange	20	Lt. Green	3.4	344	18.0	4.07	67.8	12.6	14.5
			4.1	413	18.6	4.43	73.8	12.8	14.8
			4.5	450	18.9	4.50	75.0	12.6	14.5
			4.8	482	19.2	4.68	78.0	12.7	14.7
Orange	23	Lt. Green	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
Red	25	Green	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
Red	33	Green	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
Red	38	Green	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
Red	43	Green	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
Dk. Red	48	Dk. Green	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
Dk. Red	53	Dk. Green	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.