

I-80

Radius: **11.3 to 29.6 m**
 Flow: **2.0 to 13.5 m³/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 m³/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 m³/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
I80-00-SS = Riser Mount I80-04-SS = 10 cm Pop-Up I80-04-SS-TC = 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	R = Reclaimed water ID* B = BSP inlet threads * TC reclaimed ID not available	#10 to #53 = Factory-installed nozzle number* * I-80 rotors only available with factory-installed nozzles (no nozzle packs included)
I80-00-SS-ON = Riser Mount I80-04-SS-ON = 10 cm Pop-Up I80-04-SS-ON-TC = 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	R = Reclaimed water ID* B = BSP inlet threads * TC reclaimed ID not available	#15 to #53 = 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	Color	P/N	bar	kPa	m	m³/hr	l/min	■	▲
			●	●	●	●	●	●	●
Tan 803611	White 15	Grey 315317	3.4	344	14.9	3.23	53.8	14.5	16.7
			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 803611	Orange 18	Grey 315317	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
			5.5	551	18.6	4.82	80.3	13.9	16.1
Tan 803611	Brown 20	Grey 315317	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
			5.5	551	19.5	5.16	85.9	13.5	15.6
Tan 803611	Green 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	Blue 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	Grey 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	Red 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	Dk. Brown 43	Blue 315300	-	-	-	-	-	-	-
			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 803610	Dk. Green 48	Dk. Blue 833500	-	-	-	-	-	-	-
			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 803610	Dk. Blue 53	Dk. Blue 833500	-	-	-	-	-	-	-
			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	Color	P/N	bar	kPa	m	m³/hr	l/min	■	▲
			●	●	●	●	●	●	●
Orange 803603	Dk. Green 10	Dk. Green 315312	3.4	344	11.3	2.02	33.7	15.9	18.4
			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 803603	Lt. Green 13	White 315314	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 803603	White 15	White 315314	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
			5.5	551	16.5	3.75	62.5	13.8	16.0
Orange 803603	Orange 18	Lt. Green 315313	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
			5.5	551	18.6	4.66	77.6	13.5	15.6
Orange 803603	Brown 20	Lt. Green 315313	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
			5.5	551	19.5	5.02	83.7	13.2	15.2
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
Red 803602	Blue 25	Green 315310	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
Red 803602	Grey 33	Green 315310	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
Red 803602	Red 38	Green 315310	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
			6.9	689	25.6	9.88	164.7	15.1	17.4
Red 803602	Dk. Brown 43	Green 315310	-	-	-	-	-	-	-
			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 803601	Dk. Green 48	Dk. Green 315312	-	-	-	-	-	-	-
			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 803601	Dk. Green 53	Dk. Green 315312	-	-	-	-	-	-	-
			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.