

# I-80

Radius: **37' to 97'**  
 Flow: **8.9 to 58.5 GPM**  
 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
- Contour back-nozzle capable
- Exclusive Total-Top-Service (TTS) design
- 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
- Ratcheting stainless steel riser
- Water-lubricated gear drives
- Check height up to 5' in elevation change
- Warranty period: 5 years
- ▶ **Dual trajectory color-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: 37' to 94'
  - Flow: 8.9 to 59.6 GPM
  - Pressure range: 50 to 100 PSI
- I80-ON
  - Radius: 49' to 97'
  - Flow: 14.2 to 58.5 GPM
  - Pressure range: 65 to 100 PSI
- All I-80 rotors are pressure rated at 150 PSI

▶ = *Advanced Feature descriptions on page 12*



**I80-00-SS Riser Mount**  
**I80-00-SS-ON Riser Mount**  
 Overall height: 9¾"  
 Exposed diameter: 2¼"  
 Inlet size: 1½"



**I80-04-SS Pop-up**  
**I80-04-SS-ON Pop-up**  
 Overall height: 9¾"  
 Pop-up height: 3¾"  
 Exposed diameter: 4¾"  
 Inlet size: 1" and 1½"



**I80-04-SS-TC Turf Cup**  
**I80-04-SS-ON-TC Turf Cup**  
 Overall height: 11½"  
 Pop-up height: 3¾"  
 Exposed diameter: 3½"  
 Inlet size: 1" and 1½"



**I-80 Reclaimed**  
 Factory-installed option



**I-80 Turf Cup Kit**  
 P/N 959400



**I-80 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> = 4" Pop-Up <b>I80-04-SS-TC</b> = 4" 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>(blank)</b> = No option <b>R</b> = Reclaimed water ID*  * 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> = 4" Pop-Up <b>I80-04-SS-ON-TC</b> = 4" 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>(blank)</b> = No option <b>R</b> = Reclaimed water ID*  * 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)

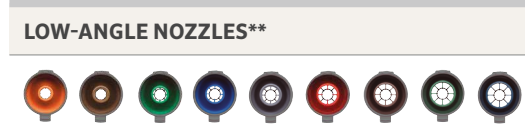
**Example:**

**I-80-04-SS-25** = 4" pop-up, adjustable arc, stainless steel riser, check-valve and factory-installed #25 nozzle  
**I-80-04-SS-ON-R-38** = 4" pop-up, stainless steel riser, check-valve, opposing nozzle full-circle, reclaimed water ID and factory installed #38 nozzle  
**I80-04-SS-ON-TC-48** = 4" pop-up, stainless steel riser, check-valve, opposing nozzle full-circle, factory-installed turf cup and factory-installed #48 nozzle

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

Nozzle Set			Pressure	Radius	Flow	Precip in/hr	
			PSI	ft.	GPM	■	▲
●	○	●	50	49	14.2	0.57	0.66
Tan	15	Gray	60	51	15.7	0.58	0.67
803611	White	315317	65	52	16.4	0.58	0.67
●	○	●	70	53	17.0	0.58	0.67
●	○	●	80	55	18.2	0.58	0.67
Tan	18	Gray	50	56	17.2	0.53	0.61
803611	Orange	315317	60	58	18.8	0.54	0.62
●	○	●	65	59	19.7	0.54	0.63
●	○	●	70	60	20.0	0.53	0.62
●	○	●	80	61	21.2	0.55	0.63
Tan	20	Gray	50	57	18.4	0.55	0.63
803611	Brown	315317	60	59	20.3	0.56	0.65
●	○	●	65	61	21.4	0.55	0.64
●	○	●	70	63	21.6	0.52	0.60
●	○	●	80	64	22.7	0.53	0.62
Tan	23	Lt. Blue	50	63	21.6	0.52	0.60
803611	Green	315311	60	65	23.0	0.52	0.61
●	○	●	65	66	24.0	0.53	0.61
●	○	●	70	67	24.9	0.53	0.62
●	○	●	80	68	26.6	0.55	0.64
Tan	25	Lt. Blue	65	71	28.6	0.55	0.63
803611	Blue	315311	70	73	29.7	0.54	0.62
●	○	●	80	74	31.7	0.56	0.64
●	○	●	90	75	33.7	0.58	0.67
●	○	●	100	77	35.8	0.58	0.67
Tan	33	Lt. Blue	65	74	30.9	0.54	0.63
803611	Gray	315311	70	75	32.0	0.55	0.63
●	○	●	80	77	34.2	0.56	0.64
●	○	●	90	79	36.2	0.56	0.64
●	○	●	100	81	38.2	0.56	0.65
Tan	38	Lt. Blue	65	77	35.1	0.57	0.66
803611	Red	315311	70	79	36.6	0.56	0.65
●	○	●	80	82	38.9	0.56	0.64
●	○	●	90	84	41.3	0.56	0.65
●	○	●	100	87	43.6	0.55	0.64
Tan	43	Blue	-	-	-	-	-
803611	Dk. Brown	315315	70	83	41.3	0.58	0.67
●	○	●	80	85	43.6	0.58	0.67
●	○	●	90	87	46.3	0.59	0.68
●	○	●	100	89	48.8	0.59	0.68
Dk. Brown	48	Dk. Blue	-	-	-	-	-
803610	Dk. Green	833500	70	90	46.9	0.56	0.64
●	○	●	80	92	48.9	0.56	0.64
●	○	●	90	94	50.5	0.55	0.63
●	○	●	100	96	53.5	0.56	0.65
Dk. Brown	53	Dk. Blue	-	-	-	-	-
803610	Dk. Blue	833500	70	91	49.8	0.58	0.67
●	○	●	80	93	52.2	0.58	0.67
●	○	●	90	95	55.5	0.59	0.68
●	○	●	100	97	58.5	0.60	0.69

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



**I-80 NOZZLE PERFORMANCE DATA\***

Nozzle Set			Pressure	Radius	Flow	Precip in/hr	
			PSI	ft.	GPM	■	▲
Orange	10	Dk. Green	50	37	8.9	0.63	0.72
803603	10	315312	60	39	9.8	0.62	0.72
●	Lt. Green	●	65	41	10.2	0.58	0.67
●	●	●	-	-	-	-	-
Orange	13	White	50	47	11.4	0.50	0.57
803603	13	315314	60	48	12.3	0.51	0.59
●	Lt. Blue	●	65	49	12.9	0.52	0.60
●	●	●	-	-	-	-	-
Orange	15	White	50	52	12.9	0.46	0.53
803603	15	315314	60	52	14.5	0.52	0.60
●	White	●	65	53	14.9	0.51	0.59
●	●	●	70	53	15.5	0.53	0.61
●	●	●	80	54	16.5	0.54	0.63
Orange	18	Lt. Green	50	57	16.6	0.49	0.57
803603	18	315313	60	58	17.8	0.51	0.59
●	Orange	●	65	59	18.6	0.51	0.59
●	●	●	70	60	19.4	0.52	0.60
●	●	●	80	61	20.5	0.53	0.61
Orange	20	Lt. Green	50	59	17.9	0.49	0.57
803603	20	315313	60	61	19.5	0.50	0.58
●	Tan	●	65	62	19.8	0.50	0.57
●	●	●	70	63	20.6	0.50	0.58
●	●	●	80	64	22.1	0.52	0.60
Orange	23	Lt. Green	50	65	20.2	0.46	0.53
803603	23	315313	60	66	22.1	0.49	0.56
●	Green	●	65	67	23.9	0.51	0.59
●	●	●	70	67	24.2	0.52	0.60
●	●	●	80	69	25.9	0.52	0.60
Red	25	Green	65	71	28.3	0.54	0.62
803602	25	315310	70	72	29.3	0.54	0.63
●	Blue	●	80	73	31.5	0.57	0.66
●	●	●	90	74	33.4	0.59	0.68
●	●	●	100	75	35.4	0.61	0.70
Red	33	Green	65	72	30.6	0.57	0.66
803602	33	315310	70	73	31.6	0.57	0.66
●	Gray	●	80	75	33.9	0.58	0.67
●	●	●	90	77	35.8	0.58	0.67
●	●	●	100	79	37.9	0.58	0.67
Red	38	Green	65	76	34.9	0.58	0.67
803602	38	315310	70	78	36.2	0.57	0.66
●	Red	●	80	80	39.1	0.59	0.68
●	●	●	90	82	41.2	0.59	0.68
●	●	●	100	84	43.5	0.59	0.69
Red	43	Green	-	-	-	-	-
803602	43	315310	70	81	41.2	0.60	0.70
●	Dk. Brown	●	80	83	43.5	0.61	0.70
●	●	●	90	86	46.2	0.60	0.69
●	●	●	100	89	48.7	0.59	0.68
Dk. Red	48	Dk. Green	-	-	-	-	-
803601	48	315312	70	83	46.3	0.65	0.75
●	Dk. Green	●	80	85	48.4	0.64	0.74
●	●	●	90	89	51.7	0.63	0.73
●	●	●	100	91	54.5	0.63	0.73
Dk. Red	53	Dk. Green	-	-	-	-	-
803601	53	315312	70	87	50.7	0.64	0.74
●	Dk. Blue	●	80	89	53.1	0.65	0.75
●	●	●	90	92	56.4	0.64	0.74
●	●	●	100	94	59.6	0.65	0.75

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

\* Complies to ASAE standard. All precipitation rates calculated

\*\*Low-angle nozzles reduce radius by 15%