

# I-40

**Application: Commercial/Municipal**  
**Radius: 13.1 to 23.2 m**  
**Flow Rate: 1.63 to 6.84 m<sup>3</sup>/hr; 27.2 to 114.1 l/min**  
**Inlet Size: 1" BSP**

## FEATURES

- Models stainless riser: 10 cm to 15 cm
  - Arc setting: 50 to 360 degrees
  - Factory installed rubber cover
  - Nozzle choices: 12
  - Nozzle ranges I-40: #8 to #25
  - Nozzle ranges I-40-ON: #15 to #28
  - Through-the-top arc adjustment
  - Quick check arc mechanism
  - Water lubricated gear-drive
  - Warranty period: 5 years
- ▶ Opposing nozzle 360° model
  - ▶ Automatic arc return
  - ▶ Non-strippable drive
  - ▶ Part- and full-circle in one model
  - ▶ Color coded nozzles
  - ▶ Reclaimed water ID
  - ▶ Stainless steel riser
  - ▶ Drain check valve (Up to 4.5 m of elevation)



**I-40-04**  
 Overall height: 20 cm  
 Pop-up height: 10 cm  
 Exposed diameter: 5 cm  
 Inlet size: 1" BSP



**I-40-06**  
 Overall height: 26 cm  
 Pop-up height: 15 cm  
 Exposed diameter: 5 cm  
 Inlet size: 1" BSP

## OPERATING SPECIFICATIONS

- Radius I-40: 13.1 to 21.3 m
- Radius I-40-ON: 15.2 to 23.2 m
- Flow rate I-40: 1.63 to 6.84 m<sup>3</sup>/hr; 27.2 to 114.1 l/min
- Flow rate I-40-ON: 2.75 to 7.76 m<sup>3</sup>/hr; 45.8 to 129.4 l/min
- Recommended pressure range: 2.5 to 7.0 bar; 250 to 700 kPa
- Operating pressure range: 2.5 to 7.0 bar; 250 to 700 kPa
- Precipitation rates: 15 mm/hr approx.
- Nozzle trajectory: 25 degrees

▶ = Advanced Feature descriptions on page 12



### I-40 Reclaimed

Available as a factory-installed option on all models

### I-40 - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4


1 Models	2 Standard Features	3 Feature Options	4 Nozzle Options
<b>I-40-04-SS</b> = 10 cm Pop-up <b>I-40-06-SS</b> = 15 cm Pop-up	Adjustable arc, stainless steel riser, check valve, and 6 nozzles	<b>(blank)</b> = No option <b>HS</b> = High speed <b>HS-R</b> = High speed and reclaimed water ID <b>B</b> = BSP inlet threads <b>R</b> = Reclaimed water ID	<b>#8 to #25</b> = Factory installed nozzle number

### I-40-ON - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Opposing Nozzle Models	2 Standard Features	3 Feature Options	4 Nozzle Options
<b>I-40-04-SS-ON</b> = 10 cm Pop-up <b>I-40-06-SS-ON</b> = 15 cm Pop-up	Full-circle, opposing nozzle, stainless steel riser, check valve and 6 nozzles	<b>(blank)</b> = No option <b>ON</b> = Full circle opposing nozzles <b>ON-R</b> = Full circle opposing nozzles and reclaimed water ID <b>B</b> = BSP inlet threads <b>R</b> = Reclaimed water ID	<b>#15 to #28</b> = Factory installed nozzle number

#### Examples:

- I-40-04-SS - B = 10 cm pop-up, adjustable arc, BSP inlet threads
- I-40-04-SS - ON-R - B - 23 = 10 cm pop-up, adjustable arc, full circle opposing nozzles, reclaimed water ID, BSP inlet threads, and #23 nozzle
- I-40-06-SS - 15 - B = 15 cm pop-up, adjustable arc, and #15 nozzle, BSP inlet threads

I-40 NOZZLE PERFORMANCE DATA								I-40 HIGH-SPEED NOZZLE PERFORMANCE DATA								I-40 NOZZLES	
Nozzle	Pressure		Radius m	Flow		Precip mm/hr		Nozzle	Pressure		Radius m	Flow		Precip mm/hr		Standard/ High-Speed	
	Bar	kPa		m <sup>3</sup> /hr	l/min	■	▲		Bar	kPa		m <sup>3</sup> /hr	l/min	■	▲		
<b>8</b> (40) Lt. Brown	2.5	250	13.1	1.63	27.2	19	22	<b>8</b> (40) Lt. Brown	2.5	250	12.2	1.63	27.2	22	25	 Standard/ High-Speed	
	3.0	300	13.4	1.80	30.0	20	23		3.0	300	12.5	1.80	30.0	23	27		
	3.5	350	13.7	1.94	32.3	21	24		3.5	350	12.8	1.94	32.3	24	27		
	4.0	400	14.0	2.06	34.4	21	24		4.0	400	12.8	2.06	34.4	25	29		
	4.5	450	14.0	2.18	36.3	22	26		4.5	450	13.1	2.18	36.3	25	29		
	5.0	500	14.3	2.29	38.2	22	26		3.0	300	13.4	2.20	36.6	24	28		
<b>10</b> (41) Lt. Green	3.0	300	14.6	2.20	36.6	21	24	<b>10</b> (41) Lt. Green	3.5	350	13.7	2.37	39.4	25	29		
	3.5	350	14.9	2.37	39.4	21	24		4.0	400	14.0	2.52	42.0	26	30		
	4.0	400	15.2	2.52	42.0	22	25		4.5	450	14.0	2.67	44.5	27	31		
	4.5	450	15.5	2.67	44.5	22	25		5.0	500	14.3	2.81	46.8	27	32		
	5.0	500	15.5	2.81	46.8	23	27		5.5	550	14.6	2.96	49.3	28	32		
	5.5	550	15.8	2.96	49.3	24	27		3.0	300	13.7	2.36	39.4	25	29		
<b>13</b> (42) Lt. Blue	3.0	300	14.9	2.36	39.4	21	24	<b>13</b> (42) Lt. Blue	3.5	350	14.0	2.55	42.6	22	25		
	3.5	350	15.2	2.55	42.6	22	25		4.0	400	14.3	2.73	45.5	27	31		
	4.0	400	15.5	2.73	45.5	23	26		4.5	450	14.3	2.90	48.3	28	33		
	4.5	450	15.5	2.90	48.3	24	28		5.0	500	14.6	3.06	51.0	29	33		
	5.0	500	15.8	3.06	51.0	24	28		5.5	550	14.9	3.23	53.9	29	33		
	5.5	550	16.2	3.23	53.9	25	29		3.0	300	15.2	2.93	48.8	25	29		
<b>15</b> (43) Gray	3.0	300	16.2	2.93	48.8	22	26	<b>15</b> (43) Gray	3.5	350	15.5	3.19	53.2	26	30		
	3.5	350	16.5	3.19	53.2	24	27		4.0	400	15.8	3.44	57.3	27	32		
	4.0	400	16.8	3.44	57.3	24	28		4.5	450	15.8	3.67	61.2	29	34		
	4.5	450	17.1	3.67	61.2	25	29		5.0	500	16.2	3.89	64.9	30	34		
	5.0	500	17.4	3.89	64.9	26	30		5.5	550	16.5	4.14	68.9	31	35		
	5.5	550	18.0	4.14	68.9	26	30		4.0	400	17.4	4.76	79.4	32	36		
<b>23</b> (44) Dk. Green	4.0	400	18.9	4.76	79.4	27	31	<b>23</b> (44) Dk. Green	4.5	450	17.7	5.03	83.9	32	37		
	4.5	450	19.2	5.03	83.9	27	32		5.0	500	17.7	5.29	88.1	34	39		
	5.0	500	19.5	5.29	88.1	28	32		5.5	550	18.0	5.56	92.7	34	40		
	5.5	550	19.8	5.56	92.7	28	33		6.0	600	18.3	5.79	96.5	35	40		
	6.0	600	20.1	5.79	96.5	29	33		6.5	650	18.6	6.01	100.2	35	40		
	6.5	650	20.1	6.01	100.2	30	34		4.0	400	18.0	5.33	88.7	33	38		
<b>25</b> (45) Dk. Blue	4.0	400	20.1	5.33	88.7	26	30	<b>25</b> (45) Dk. Blue	4.5	450	18.3	5.65	94.2	34	39		
	4.5	450	20.4	5.65	94.2	27	31		5.0	500	18.6	5.96	99.3	34	40		
	5.0	500	20.7	5.96	99.3	28	32		5.5	550	18.9	6.29	104.9	35	41		
	5.5	550	21.0	6.29	104.9	28	33		6.0	600	19.2	6.57	109.6	36	41		
	6.0	600	21.0	6.57	109.6	30	34		6.5	650	19.5	6.84	114.1	36	42		
	6.5	650	21.3	6.84	114.1	30	35		6.5	650	20.4	6.29	104.8	30	35		

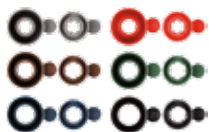
**Notes:**

All precipitation rates calculated for 180 degree operation. For the precipitation rate for a 360 degree sprinkler, divide by 2.

**I-40 DUAL OPPOSING NOZZLE PERFORMANCE DATA**

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	Bar	kPa		m <sup>3</sup> /hr	l/min	■	▲
15 Gray	3.0	300	15.2	2.75	45.8	12	14
	3.5	350	15.8	2.91	48.5	12	13
	4.0	400	16.2	3.06	51.0	12	14
	4.5	450	16.8	3.20	53.3	11	13
	5.0	500	17.1	3.32	55.4	11	13
	5.5	550	17.4	3.46	57.7	11	13
18 Red	3.0	300	17.4	2.90	48.3	10	11
	3.5	350	17.7	3.15	52.5	10	12
	4.0	400	18.0	3.38	56.4	10	12
	4.5	450	18.0	3.61	60.1	11	13
	5.0	500	18.3	3.82	63.7	11	13
	5.5	550	18.9	4.05	67.5	11	13
20 Dk. Brown	4.0	400	18.9	4.26	71.1	12	14
	4.5	450	19.2	4.54	75.6	12	14
	5.0	500	19.5	4.80	80.0	13	15
	5.5	550	20.1	5.08	84.7	13	15
	6.0	600	19.8	5.32	88.7	14	16
	6.5	650	20.1	5.55	92.5	14	16
23 Dk. Green	4.0	400	19.5	4.55	75.8	12	14
	4.5	450	19.8	4.85	80.8	12	14
	5.0	500	20.1	5.14	85.6	13	15
	5.5	550	20.4	5.45	90.8	13	15
	6.0	600	20.7	5.71	95.1	13	15
	6.5	650	20.7	5.96	99.4	14	16
25 Dk. Blue	4.0	400	20.1	4.92	82.1	12	14
	4.5	450	20.4	5.23	87.2	13	14
	5.0	500	20.7	5.52	92.0	13	15
	5.5	550	21.0	5.84	97.3	13	15
	6.0	600	21.3	6.10	101.7	13	15
	6.5	650	21.3	6.36	106.0	14	16
28 Black	4.5	450	21.0	6.38	106.4	14	17
	5.0	500	21.3	6.68	111.3	15	17
	5.5	550	21.9	7.00	116.7	15	17
	6.0	600	22.3	7.27	121.1	15	17
	6.5	650	22.6	7.52	125.3	15	17
	7.0	700	23.2	7.76	129.4	14	17

**I-40 NOZZLES**



Opposing

**Notes:**

Precipitation rates for the ON-Opposing Nozzles models are calculated at 360 degrees.

**I-40 Opposing Nozzle 360° Model**

