

# Charts and Specs

I-20 Ultra Blue Standard Nozzle Performance Data – Metric							
Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	Bars	kPa		m <sup>3</sup> /hr	l/min	■	▲
<b>1.5</b>	2.0	200	9.1	0.29	4.8	7	8
	2.5	250	9.4	0.32	5.4	7	8
	3.0	300	9.8	0.35	5.9	7	9
	<b>3.5</b>	<b>350</b>	<b>9.8</b>	<b>0.38</b>	<b>6.4</b>	<b>8</b>	<b>9</b>
	4.0	400	9.8	0.41	6.8	9	10
4.5	450	9.4	0.43	7.2	10	11	
<b>2.0</b>	2.0	200	10.1	0.35	5.8	7	8
	2.5	250	10.1	0.39	6.5	8	9
	3.0	300	10.4	0.43	7.2	8	9
	<b>3.5</b>	<b>350</b>	<b>10.4</b>	<b>0.47</b>	<b>7.8</b>	<b>9</b>	<b>10</b>
	4.0	400	10.4	0.50	8.3	9	11
4.5	450	10.4	0.53	8.8	10	11	
<b>2.5</b>	2.0	200	10.4	0.43	7.1	8	9
	2.5	250	10.7	0.48	8.0	8	10
	3.0	300	10.7	0.54	8.9	9	11
	<b>3.5</b>	<b>350</b>	<b>10.7</b>	<b>0.58</b>	<b>9.7</b>	<b>10</b>	<b>12</b>
	4.0	400	10.7	0.62	10.4	11	13
4.5	450	10.7	0.66	11.1	12	13	
<b>3.0</b>	2.0	200	10.7	0.54	9.1	10	11
	2.5	250	11.0	0.61	10.2	10	12
	3.0	300	11.6	0.68	11.4	10	12
	<b>3.5</b>	<b>350</b>	<b>11.9</b>	<b>0.74</b>	<b>12.3</b>	<b>10</b>	<b>12</b>
	4.0	400	11.9	0.79	13.2	11	13
4.5	450	11.9	0.84	14.0	12	14	
<b>4.0</b>	2.0	200	11.6	0.73	12.2	11	13
	2.5	250	11.9	0.81	13.6	12	13
	3.0	300	12.2	0.90	15.0	12	14
	<b>3.5</b>	<b>350</b>	<b>12.2</b>	<b>0.97</b>	<b>16.2</b>	<b>13</b>	<b>15</b>
	4.0	400	12.5	1.04	17.3	13	15
4.5	450	12.5	1.10	18.3	14	16	
<b>5.0</b>	2.0	200	11.6	0.91	15.2	14	16
	2.5	250	11.9	1.02	17.1	15	17
	3.0	300	12.8	1.14	19.0	14	16
	<b>3.5</b>	<b>350</b>	<b>12.8</b>	<b>1.24</b>	<b>20.6</b>	<b>15</b>	<b>17</b>
	4.0	400	12.8	1.32	22.1	16	19
4.5	450	12.8	1.41	23.4	17	20	
<b>6.0</b>	2.0	200	11.9	1.09	18.2	15	18
	2.5	250	12.2	1.22	20.4	16	19
	3.0	300	13.1	1.36	22.7	16	18
	<b>3.5</b>	<b>350</b>	<b>13.1</b>	<b>1.47</b>	<b>24.5</b>	<b>17</b>	<b>20</b>
	4.0	400	13.4	1.57	26.2	18	20
4.5	450	13.4	1.67	27.9	19	21	
<b>8.0</b>	2.0	200	11.9	1.46	24.3	21	24
	2.5	250	12.5	1.63	27.2	21	24
	3.0	300	13.4	1.81	30.2	20	23
	<b>3.5</b>	<b>350</b>	<b>13.7</b>	<b>1.95</b>	<b>32.6</b>	<b>21</b>	<b>24</b>
	4.0	400	14.0	2.09	34.8	21	25
4.5	450	14.0	2.22	36.9	23	26	

I-20 Ultra Gray Low Angle Nozzle Performance Data – Metric							
Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	Bars	kPa		m <sup>3</sup> /hr	l/min	■	▲
<b>2.0</b> <b>LA</b>	1.7	172	7.3	0.33	5.6	12	14
	2.0	200	7.6	0.36	6.0	12	14
	2.5	248	7.9	0.40	6.7	13	15
	3.0	303	8.2	0.45	7.4	13	15
	<b>3.5</b>	<b>352</b>	<b>8.5</b>	<b>0.48</b>	<b>8.0</b>	<b>13</b>	<b>15</b>
4.0	400	8.8	0.52	8.6	13	15	
4.5	448	9.1	0.55	9.1	13	15	
<b>2.5</b> <b>LA</b>	1.7	172	7.9	0.44	7.3	14	16
	2.0	200	8.2	0.47	7.9	14	16
	2.5	248	8.8	0.53	8.8	14	16
	3.0	303	9.4	0.59	9.8	13	15
	<b>3.5</b>	<b>352</b>	<b>10.1</b>	<b>0.64</b>	<b>10.6</b>	<b>13</b>	<b>15</b>
4.0	400	10.4	0.68	11.3	13	15	
4.5	448	10.7	0.72	12.0	13	15	
<b>3.5</b> <b>LA</b>	1.7	172	8.5	0.58	9.7	16	18
	2.0	200	8.8	0.62	10.3	16	18
	2.5	248	9.1	0.68	11.4	16	19
	3.0	303	10.1	0.75	12.5	15	17
	<b>3.5</b>	<b>352</b>	<b>10.7</b>	<b>0.80</b>	<b>13.3</b>	<b>14</b>	<b>16</b>
4.0	400	11.0	0.85	14.1	14	16	
4.5	448	11.3	0.89	14.8	14	16	
<b>4.5</b> <b>LA</b>	1.7	172	8.2	0.71	11.8	21	24
	2.0	200	8.8	0.76	12.7	19	23
	2.5	248	9.1	0.84	14.1	20	23
	3.0	303	10.1	0.93	15.5	18	21
	<b>3.5</b>	<b>352</b>	<b>10.7</b>	<b>1.00</b>	<b>16.6</b>	<b>18</b>	<b>20</b>
4.0	400	11.0	1.06	17.6	18	20	
4.5	448	11.3	1.12	18.6	18	20	

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

I-20 Ultra 5.5 m Short Radius Nozzle Performance Data – Metric							
Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	Bars	kPa		m <sup>3</sup> /hr	l/min	■	▲
<b>.50</b> <b>SR</b>	1.7	172	4.9	0.07	1.2	6	7
	2.0	200	5.2	0.08	1.3	6	7
	2.5	248	5.2	0.09	1.5	7	8
	3.0	303	5.2	0.10	1.7	8	9
	<b>3.5</b>	<b>352</b>	<b>5.5</b>	<b>0.12</b>	<b>1.9</b>	<b>8</b>	<b>9</b>
4.0	400	5.5	0.13	2.1	8	10	
4.5	448	5.5	0.14	2.3	9	10	
<b>1.0</b> <b>SR</b>	1.7	172	4.9	0.16	2.7	14	16
	2.0	200	5.2	0.17	2.9	13	15
	2.5	248	5.2	0.19	3.2	14	17
	3.0	303	5.2	0.21	3.6	16	18
	<b>3.5</b>	<b>352</b>	<b>5.5</b>	<b>0.23</b>	<b>3.8</b>	<b>15</b>	<b>18</b>
4.0	400	5.5	0.25	4.1	16	19	
4.5	448	5.5	0.26	4.3	17	20	
<b>2.0</b> <b>SR</b>	1.7	172	4.9	0.28	4.7	24	27
	2.0	200	5.2	0.31	5.2	23	27
	2.5	248	5.2	0.36	6.0	27	31
	3.0	303	5.2	0.41	6.9	31	35
	<b>3.5</b>	<b>352</b>	<b>5.5</b>	<b>0.45</b>	<b>7.6</b>	<b>30</b>	<b>35</b>
4.0	400	5.5	0.49	8.2	33	38	
4.5	448	5.5	0.53	8.9	35	41	

I-20 Ultra 7.6 m Short Radius Nozzle Performance Data – Metric							
Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	Bars	kPa		m <sup>3</sup> /hr	l/min	■	▲
<b>.75</b> <b>SR</b>	1.7	172	6.7	0.12	2.0	5	6
	2.0	200	7.0	0.13	2.2	5	6
	2.5	248	7.0	0.15	2.4	6	7
	3.0	303	7.3	0.16	2.7	6	7
	<b>3.5</b>	<b>352</b>	<b>7.6</b>	<b>0.17</b>	<b>2.9</b>	<b>6</b>	<b>7</b>
4.0	400	7.6	0.19	3.1	6	7	
4.5	448	7.6	0.20	3.3	7	8	
<b>1.5</b> <b>SR</b>	1.7	172	6.7	0.23	3.8	10	12
	2.0	200	7.0	0.25	4.1	10	12
	2.5	248	7.0	0.28	4.6	11	13
	3.0	303	7.3	0.31	5.2	12	13
	<b>3.5</b>	<b>352</b>	<b>7.6</b>	<b>0.34</b>	<b>5.6</b>	<b>12</b>	<b>13</b>
4.0	400	7.6	0.36	6.0	12	14	
4.5	448	7.6	0.39	6.4	13	15	
<b>3.0</b> <b>SR</b>	1.7	172	6.7	0.53	8.9	24	27
	2.0	200	7.0	0.56	9.3	23	26
	2.5	248	7.0	0.60	10.0	24	28
	3.0	303	7.3	0.64	10.7	24	28
	<b>3.5</b>	<b>352</b>	<b>7.6</b>	<b>0.67</b>	<b>11.2</b>	<b>23</b>	<b>27</b>
4.0	400	7.6	0.70	11.7	24	28	
4.5	448	7.6	0.73	12.1	25	29	

## SPECIFICATION BUILDER

MODEL	FEATURES	OPTIONS
I20-00 = Shrub	XX, R	<b>1.5 - 4.0</b> = Factory-installed nozzle number
I20-04 = 10 cm (4") Pop-up	XX, NCV, R, <b>SS</b> , SS-NCV, SS-R, CS	
I20-06 = 15 cm (6") Pop-up	XX, R, SS, SS-R	
I20-12 = 30 cm (12") Pop-up	R	
<b>I20-04</b>	<b>SS</b>	<b>3.0</b>

EXAMPLE **I20-04 - SS - 3.0**

### KEY TO FEATURES

- XX** = Adjustable arc 50-360 degrees, with check valve
- NCV** = Adjustable arc 50-360 degrees, no check valve
- R** = Adjustable arc 50-360 degrees, with check valve and reclaimed water ID
- SS** = Adjustable arc 50-360 degrees, stainless steel riser, with check valve
- SS-NCV** = Adjustable arc 50-360 degrees, stainless steel riser, no check valve
- SS-R** = Adjustable arc 50-360 degrees, stainless steel riser, with check valve and reclaimed water ID
- CS** = Clear demo sprinkler (I20-04 only)