

# PS ULTRA

The PS Ultra is a compact, slim-line spray sprinkler with the option of pre-installed nozzles for faster installation.

## KEY BENEFITS

- Enhanced cap for more durability, easier handling, and extended riser seal life
- Large inlet filter screen for increased debris resistance
- Check valve option eliminates low-head drainage
- Heavy-duty spring for consistent riser retraction

## ADDITIONAL FEATURES

- Directional flush plug design for cleaner installation
- Two-piece ratcheting riser
- 5 cm and 10 cm models can retrofit into older style PS models
- Compatible with all female-threaded nozzles

## OPERATING SPECIFICATIONS

- Operational pressure range: 1.4 to 4.8 bar; 140 to 480 kPa
- Warranty period: 2 years

## FACTORY-INSTALLED OPTIONS

- Flush plug (large filter screen not included)
- Nozzles 2.4 m, 3.0 m, 3.7 m, 4.6 m, 5.2 m, 1.5 x 9.0 m side strip
- Large inlet filter screen included in 10 cm and 15 cm pre-installed nozzle models

## USER-INSTALLED OPTIONS

- Check valve installs in filter screen for 10 cm and 15 cm models (up to 2 m of elevation; P/N 462237SP)
- Large inlet filter screen (P/N 162900SP)
- Shutoff nozzle (P/N 916400SP)



### PSU-02

Retracted height: 12 cm  
Pop-up height: 5 cm  
Exposed diameter: 3 cm  
Inlet size: ½"



### PSU-04

Retracted height: 18 cm  
Pop-up height: 10 cm  
Exposed diameter: 3 cm  
Inlet size: ½"



### PSU-06

Retracted height: 24 cm  
Pop-up height: 15 cm  
Exposed diameter: 3 cm  
Inlet size: ½"

## PS ULTRA - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 (OPTIONAL)

1 Model	2 Nozzles	3 Optional
PSU-02 = 5 cm pop-up	(blank) = Flush plug, no large filter screen	NFO = Nozzle filter only (available for 10 cm model only). Substitute standard installation of large inlet filter screen and receive unit with the nozzle filter only.
PSU-04 = 10 cm pop-up	8A = 2.4 m adjustable nozzle	
PSU-06 = 15 cm pop-up	10A = 3.0 m adjustable nozzle	
	12A = 3.7 m adjustable nozzle	
	15A = 4.6 m adjustable nozzle	
	17A = 5.2 m adjustable nozzle	
	5SS = 1.5 m x 9.1 m side strip (not available for PSU-06)	

### Examples:

- PSU-04 - 15A = 10 cm pop-up, with a 4.6 m adjustable nozzle
- PSU-02 - 5SS = 5 cm pop-up, with a 1.5 m x 9.0 m side strip
- PSU-06 - 10A = 15 cm pop-up, with a 3.0 m adjustable nozzle
- PSU-04 - 12A - NFO = 10 cm pop-up, with a 3.7 m adjustable nozzle, nozzle filter only

PS ULTRA STANDARD NOZZLES PERFORMANCE DATA

**8A** 2.4 m radius  
Adjustable from 0° to 360°  
● Brown Trajectory: 0°

**10A** 3.0 m radius  
Adjustable from 0° to 360°  
● Red Trajectory: 15°

**12A** 3.7 m radius  
Adjustable from 0° to 360°  
● Green Trajectory: 28°








Arc	Pressure		Radius			Flow		Precip mm/hr		Radius			Flow			Precip mm/hr	
	bar	kPa	m	m <sup>3</sup> /hr	l/min	■	▲	m	m <sup>3</sup> /hr	l/min	■	▲	m	m <sup>3</sup> /hr	l/min	■	▲
45° ▶	1.0	100	2.0	0.04	0.62	77	89	2.6	0.04	0.68	49	56	3.2	0.04	0.73	34	40
	1.5	150	2.2	0.04	0.72	72	83	2.8	0.05	0.80	49	57	3.4	0.06	0.97	40	46
	<b>2.1</b>	<b>210</b>	<b>2.4</b>	<b>0.05</b>	<b>0.83</b>	<b>67</b>	<b>77</b>	<b>3.0</b>	<b>0.06</b>	<b>0.94</b>	<b>49</b>	<b>56</b>	<b>3.7</b>	<b>0.07</b>	<b>1.23</b>	<b>44</b>	<b>51</b>
	2.5	250	2.6	0.05	0.91	63	73	3.2	0.06	1.06	48	56	3.9	0.09	1.44	46	54
	3.0	300	2.9	0.06	1.01	59	68	3.5	0.07	1.18	47	54	4.1	0.10	1.68	48	56
90° ◑	1.0	100	2.0	0.07	1.24	77	89	2.6	0.08	1.35	49	56	3.2	0.09	1.46	34	40
	1.5	150	2.2	0.09	1.44	72	83	2.8	0.10	1.61	49	57	3.4	0.12	1.93	40	46
	<b>2.1</b>	<b>210</b>	<b>2.4</b>	<b>0.10</b>	<b>1.65</b>	<b>67</b>	<b>77</b>	<b>3.0</b>	<b>0.11</b>	<b>1.89</b>	<b>49</b>	<b>56</b>	<b>3.7</b>	<b>0.15</b>	<b>2.46</b>	<b>44</b>	<b>51</b>
	2.5	250	2.6	0.11	1.82	63	73	3.2	0.13	2.11	48	56	3.9	0.17	2.88	46	54
	3.0	300	2.9	0.12	2.02	59	68	3.5	0.14	2.37	47	54	4.1	0.20	3.36	48	56
120° ◐	1.0	100	2.0	0.10	1.66	77	89	2.6	0.11	1.80	49	56	3.2	0.12	1.94	34	40
	1.5	150	2.2	0.11	1.92	72	83	2.8	0.13	2.14	49	57	3.4	0.15	2.58	40	46
	<b>2.1</b>	<b>210</b>	<b>2.4</b>	<b>0.13</b>	<b>2.20</b>	<b>67</b>	<b>77</b>	<b>3.0</b>	<b>0.15</b>	<b>2.52</b>	<b>49</b>	<b>56</b>	<b>3.7</b>	<b>0.20</b>	<b>3.28</b>	<b>44</b>	<b>51</b>
	2.5	250	2.6	0.15	2.43	63	73	3.2	0.17	2.82	48	56	3.9	0.23	3.84	46	54
	3.0	300	2.9	0.16	2.69	59	68	3.5	0.19	3.16	47	54	4.1	0.27	4.48	48	56
180° ◕	1.0	100	2.0	0.15	2.49	77	89	2.6	0.16	2.71	49	56	3.2	0.17	2.91	34	40
	1.5	150	2.2	0.17	2.87	72	83	2.8	0.19	3.21	49	57	3.4	0.23	3.86	40	46
	<b>2.1</b>	<b>210</b>	<b>2.4</b>	<b>0.20</b>	<b>3.30</b>	<b>67</b>	<b>77</b>	<b>3.0</b>	<b>0.23</b>	<b>3.78</b>	<b>49</b>	<b>56</b>	<b>3.7</b>	<b>0.30</b>	<b>4.92</b>	<b>44</b>	<b>51</b>
	2.5	250	2.6	0.22	3.65	63	73	3.2	0.25	4.23	48	56	3.9	0.35	5.76	46	54
	3.0	300	2.9	0.24	4.03	59	68	3.5	0.28	4.73	47	54	4.1	0.40	6.71	48	56
240° ◔	1.0	100	2.0	0.20	3.32	77	89	2.6	0.22	3.61	49	56	3.2	0.23	3.88	34	40
	1.5	150	2.2	0.23	3.83	72	83	2.8	0.26	4.28	49	57	3.4	0.31	5.15	40	46
	<b>2.1</b>	<b>210</b>	<b>2.4</b>	<b>0.26</b>	<b>4.40</b>	<b>67</b>	<b>77</b>	<b>3.0</b>	<b>0.30</b>	<b>5.03</b>	<b>49</b>	<b>56</b>	<b>3.7</b>	<b>0.39</b>	<b>6.56</b>	<b>44</b>	<b>51</b>
	2.5	250	2.6	0.29	4.86	63	73	3.2	0.34	5.64	48	56	3.9	0.46	7.68	46	54
	3.0	300	2.9	0.32	5.38	59	68	3.5	0.38	6.31	47	54	4.1	0.54	8.95	48	56
270° ◓	1.0	100	2.0	0.22	3.73	77	89	2.6	0.24	4.06	49	56	3.2	0.26	4.37	34	40
	1.5	150	2.2	0.26	4.31	72	83	2.8	0.29	4.82	49	57	3.4	0.35	5.80	40	46
	<b>2.1</b>	<b>210</b>	<b>2.4</b>	<b>0.30</b>	<b>4.95</b>	<b>67</b>	<b>77</b>	<b>3.0</b>	<b>0.34</b>	<b>5.66</b>	<b>49</b>	<b>56</b>	<b>3.7</b>	<b>0.44</b>	<b>7.38</b>	<b>44</b>	<b>51</b>
	2.5	250	2.6	0.33	5.47	63	73	3.2	0.38	6.34	48	56	3.9	0.52	8.65	46	54
	3.0	300	2.9	0.36	6.05	59	68	3.5	0.43	7.10	47	54	4.1	0.60	10.07	48	56
360° ●	1.0	100	2.0	0.30	4.97	77	89	2.6	0.32	5.41	49	56	3.2	0.35	5.83	34	40
	1.5	150	2.2	0.34	5.75	72	83	2.8	0.39	6.43	49	57	3.4	0.46	7.73	40	46
	<b>2.1</b>	<b>210</b>	<b>2.4</b>	<b>0.40</b>	<b>6.61</b>	<b>67</b>	<b>77</b>	<b>3.0</b>	<b>0.45</b>	<b>7.55</b>	<b>49</b>	<b>56</b>	<b>3.7</b>	<b>0.59</b>	<b>9.84</b>	<b>44</b>	<b>51</b>
	2.5	250	2.6	0.44	7.29	63	73	3.2	0.51	8.45	48	56	3.9	0.69	11.53	46	54
	3.0	300	2.9	0.48	8.07	59	68	3.5	0.57	9.47	47	54	4.1	0.81	13.43	48	56

Bold = Recommended pressure

**PS ULTRA STANDARD NOZZLES PERFORMANCE DATA**


**15A** 4.6 m radius  
Adjustable from 0° to 360°  
● Black Trajectory: 28°

**17A** 5.2 m radius  
Adjustable from 0° to 360°  
● Grey Trajectory: 28°

Arc	Pressure		Radius		Flow		Precip mm/hr		Radius		Flow		Precip mm/hr	
	bar	kPa	m	m <sup>3</sup> /hr	l/min	■	▲	m	m <sup>3</sup> /hr	l/min	■	▲		
45° 	1.0	100	4.0	0.08	1.27	38	43	4.6	0.10	1.68	38	43		
	1.5	150	4.3	0.09	1.51	39	45	4.9	0.12	1.94	38	44		
	<b>2.1</b>	<b>210</b>	<b>4.6</b>	<b>0.11</b>	<b>1.79</b>	<b>40</b>	<b>46</b>	<b>5.2</b>	<b>0.13</b>	<b>2.23</b>	<b>39</b>	<b>45</b>		
	2.5	250	4.9	0.12	2.00	40	46	5.5	0.15	2.46	39	45		
	3.0	300	5.2	0.14	2.25	40	46	5.8	0.16	2.72	39	45		
90° 	1.0	100	4.0	0.15	2.53	38	43	4.6	0.20	3.36	38	43		
	1.5	150	4.3	0.18	3.03	39	45	4.9	0.23	3.88	38	44		
	<b>2.1</b>	<b>210</b>	<b>4.6</b>	<b>0.21</b>	<b>3.57</b>	<b>40</b>	<b>46</b>	<b>5.2</b>	<b>0.27</b>	<b>4.45</b>	<b>39</b>	<b>45</b>		
	2.5	250	4.9	0.24	4.01	40	46	5.5	0.30	4.92	39	45		
	3.0	300	5.2	0.27	4.50	40	46	5.8	0.33	5.44	39	45		
120° 	1.0	100	4.0	0.20	3.38	38	43	4.6	0.27	4.48	38	43		
	1.5	150	4.3	0.24	4.03	39	45	4.9	0.31	5.17	38	44		
	<b>2.1</b>	<b>210</b>	<b>4.6</b>	<b>0.29</b>	<b>4.76</b>	<b>40</b>	<b>46</b>	<b>5.2</b>	<b>0.36</b>	<b>5.94</b>	<b>39</b>	<b>45</b>		
	2.5	250	4.9	0.32	5.34	40	46	5.5	0.39	6.56	39	45		
	3.0	300	5.2	0.36	6.00	40	46	5.8	0.43	7.25	39	45		
180° 	1.0	100	4.0	0.30	5.07	38	43	4.6	0.40	6.71	38	43		
	1.5	150	4.3	0.36	6.05	39	45	4.9	0.47	7.75	38	44		
	<b>2.1</b>	<b>210</b>	<b>4.6</b>	<b>0.43</b>	<b>7.14</b>	<b>40</b>	<b>46</b>	<b>5.2</b>	<b>0.53</b>	<b>8.91</b>	<b>39</b>	<b>45</b>		
	2.5	250	4.9	0.48	8.02	40	46	5.5	0.59	9.83	39	45		
	3.0	300	5.2	0.54	9.00	40	46	5.8	0.65	10.87	39	45		
240° 	1.0	100	4.0	0.41	6.76	38	43	4.6	0.54	8.95	38	43		
	1.5	150	4.3	0.48	8.07	39	45	4.9	0.62	10.34	38	44		
	<b>2.1</b>	<b>210</b>	<b>4.6</b>	<b>0.57</b>	<b>9.52</b>	<b>40</b>	<b>46</b>	<b>5.2</b>	<b>0.71</b>	<b>11.88</b>	<b>39</b>	<b>45</b>		
	2.5	250	4.9	0.64	10.69	40	46	5.5	0.79	13.11	39	45		
	3.0	300	5.2	0.72	12.00	40	46	5.8	0.87	14.50	39	45		
270° 	1.0	100	4.0	0.46	7.60	38	43	4.6	0.60	10.07	38	43		
	1.5	150	4.3	0.54	9.08	39	45	4.9	0.70	11.63	38	44		
	<b>2.1</b>	<b>210</b>	<b>4.6</b>	<b>0.64</b>	<b>10.71</b>	<b>40</b>	<b>46</b>	<b>5.2</b>	<b>0.80</b>	<b>13.36</b>	<b>39</b>	<b>45</b>		
	2.5	250	4.9	0.72	12.03	40	46	5.5	0.89	14.75	39	45		
	3.0	300	5.2	0.81	13.50	40	46	5.8	0.98	16.31	39	45		
360° 	1.0	100	4.0	0.61	10.13	38	43	4.6	0.81	13.43	38	43		
	1.5	150	4.3	0.73	12.10	39	45	4.9	0.93	15.51	38	44		
	<b>2.1</b>	<b>210</b>	<b>4.6</b>	<b>0.86</b>	<b>14.28</b>	<b>40</b>	<b>46</b>	<b>5.2</b>	<b>1.07</b>	<b>17.82</b>	<b>39</b>	<b>45</b>		
	2.5	250	4.9	0.96	16.03	40	46	5.5	1.18	19.67	39	45		
	3.0	300	5.2	1.08	18.00	40	46	5.8	1.30	21.75	39	45		

Bold = Recommended pressure

**STRIP PATTERN NOZZLE PERFORMANCE DATA**

Model	Pressure		Width x Length m	Flow	
	bar	kPa		m <sup>3</sup> /hr	l/min
	1.0	100	1.2 x 8.5	0.21	3.5
	1.5	150	1.5 x 9.0	0.25	4.2
	2.0	200	1.5 x 9.0	0.29	4.9
	<b>2.1</b>	<b>210</b>	<b>1.5 x 9.1</b>	<b>0.30</b>	<b>5.0</b>
	2.5	250	1.5 x 9.1	0.33	5.5

Bold = Recommended pressure