

# PRO HIGH-EFFICIENCY NOZZLES

Pro High-Efficiency Nozzles provide increased efficiency for spray systems through high uniformity from the spray pattern at a matched precipitation rate across the line.

## KEY BENEFITS

- High-efficiency performance from a high-uniformity spray pattern
- Matched precipitation of 40 mm/hr from 2.4 m to 5.2 m across the 0°-360° adjustable arc range
- Smooth spray pattern with well-defined edges for targeted landscape irrigation
- Colour-coded with natural hues to blend with the landscape and provide easy field identification

## ADDITIONAL FEATURES

- Simple arc adjustment using the easy-grip nozzle top
- Thick nozzle top offers long-lasting durability against equipment damage
- Fast installation with clear identification of spray pattern edges

## OPERATING SPECIFICATIONS

- Recommended operating pressure: 2.1 bar; 210 kPa
- Pair with Pro-Spray™ PRS30 Sprinkler Bodies for pressure regulation to 2.1 bar; 210 kPa
- Warranty period: 2 years



**8A-HE Nozzle**  
Radius: 2.4 m



**10A-HE Nozzle**  
Radius: 3.0 m



**12A-HE Nozzle**  
Radius: 3.7 m



**15A-HE Nozzle**  
Radius: 4.6 m



**17A-HE Nozzle**  
Radius: 5.2 m

## PRO HIGH-EFFICIENCY NOZZLES PERFORMANCE DATA



### 8A-HE

● Olive Green

2.4 m radius  
Adjustable from 0° to 360°  
Trajectory: 20°

### 10A-HE

● Dark Blue

3.0 m radius  
Adjustable from 0° to 360°  
Trajectory: 25°

### 12A-HE

● Brown

3.7 m radius  
Adjustable from 0° to 360°  
Trajectory: 25°

Arc	Pressure		Radius m	Flow		Precip mm/hr		Radius m	Flow		Precip mm/hr		Radius m	Flow		Precip mm/hr	
	bar	kPa		m <sup>3</sup> /hr	l/min	■	▲		m <sup>3</sup> /hr	l/min	■	▲		m <sup>3</sup> /hr	l/min	■	▲
90° 	1.0	100	2.0	0.05	0.87	52	60	2.7	0.08	1.36	45	52	3.3	0.12	2.01	44	51
	1.5	150	2.2	0.06	1.02	51	59	2.8	0.09	1.55	48	55	3.5	0.13	2.23	44	51
	<b>2.1</b>	<b>210</b>	<b>2.4</b>	<b>0.06</b>	<b>1.06</b>	<b>44</b>	<b>51</b>	<b>3.0</b>	<b>0.10</b>	<b>1.67</b>	<b>44</b>	<b>51</b>	<b>3.7</b>	<b>0.14</b>	<b>2.38</b>	<b>42</b>	<b>48</b>
	2.5	250	2.6	0.07	1.21	43	50	3.1	0.11	1.82	45	52	3.8	0.16	2.65	44	51
180° 	1.0	100	2.0	0.10	1.65	49	57	2.7	0.16	2.65	44	50	3.3	0.23	3.88	43	49
	1.5	150	2.2	0.11	1.85	46	53	2.8	0.18	2.94	45	52	3.5	0.25	4.24	42	48
	<b>2.1</b>	<b>210</b>	<b>2.4</b>	<b>0.12</b>	<b>2.08</b>	<b>43</b>	<b>50</b>	<b>3.0</b>	<b>0.19</b>	<b>3.24</b>	<b>43</b>	<b>50</b>	<b>3.7</b>	<b>0.28</b>	<b>4.62</b>	<b>40</b>	<b>47</b>
	2.5	250	2.6	0.14	2.37	42	48	3.1	0.21	3.52	44	51	3.8	0.30	5.03	42	48
270° 	1.0	100	2.0	0.15	2.47	49	57	2.7	0.24	3.97	44	50	3.3	0.35	5.82	43	49
	1.5	150	2.2	0.17	2.78	46	53	2.8	0.26	4.41	45	52	3.5	0.38	6.36	42	48
	<b>2.1</b>	<b>210</b>	<b>2.4</b>	<b>0.19</b>	<b>3.11</b>	<b>43</b>	<b>50</b>	<b>3.0</b>	<b>0.29</b>	<b>4.85</b>	<b>43</b>	<b>50</b>	<b>3.7</b>	<b>0.42</b>	<b>6.93</b>	<b>40</b>	<b>47</b>
	2.5	250	2.6	0.21	3.55	42	48	3.1	0.32	5.28	44	51	3.8	0.45	7.55	42	48
360° 	1.0	100	2.0	0.20	3.29	49	57	2.7	0.32	5.30	44	50	3.3	0.47	7.76	43	49
	1.5	150	2.2	0.22	3.71	46	53	2.8	0.35	5.88	45	52	3.5	0.51	8.48	42	48
	<b>2.1</b>	<b>210</b>	<b>2.4</b>	<b>0.25</b>	<b>4.15</b>	<b>43</b>	<b>50</b>	<b>3.0</b>	<b>0.39</b>	<b>6.47</b>	<b>43</b>	<b>50</b>	<b>3.7</b>	<b>0.55</b>	<b>9.24</b>	<b>40</b>	<b>47</b>
	2.5	250	2.6	0.28	4.73	42	48	3.1	0.42	7.04	44	51	3.8	0.60	10.07	42	48
	3.0	300	2.8	0.31	5.50	39	45	3.2	0.45	7.57	44	51	3.9	0.66	11.05	44	50

PRO HIGH-EFFICIENCY NOZZLES PERFORMANCE DATA



**15A-HE** 4.6 m radius  
Adjustable from 0° to 360°  
● Black Trajectory: 25°

**17A-HE** 5.2 m radius  
Adjustable from 0° to 360°  
● Grey Trajectory: 25°

Arc	Pressure		Radius m	Flow		Precip mm/hr		Radius m	Flow		Precip mm/hr	
	bar	kPa		m <sup>3</sup> /hr	l/min	■	▲		m <sup>3</sup> /hr	l/min	■	▲
90° 	1.0	100	4.2	0.18	2.95	40	46	4.6	0.22	3.61	41	47
	1.5	150	4.4	0.20	3.33	41	48	4.8	0.24	4.04	42	49
	<b>2.1</b>	<b>210</b>	<b>4.6</b>	<b>0.22</b>	<b>3.63</b>	<b>41</b>	<b>48</b>	<b>5.2</b>	<b>0.28</b>	<b>4.69</b>	<b>42</b>	<b>48</b>
	2.5	250	4.7	0.24	4.05	44	51	5.3	0.29	4.90	42	48
	3.0	300	4.8	0.26	4.28	45	51	5.4	0.31	5.25	43	50
180° 	1.0	100	4.2	0.35	5.78	39	45	4.6	0.40	6.68	38	44
	1.5	150	4.4	0.38	6.38	40	46	4.8	0.46	7.70	40	46
	<b>2.1</b>	<b>210</b>	<b>4.6</b>	<b>0.42</b>	<b>7.08</b>	<b>40</b>	<b>46</b>	<b>5.2</b>	<b>0.54</b>	<b>8.93</b>	<b>40</b>	<b>46</b>
	2.5	250	4.7	0.47	7.76	42	49	5.3	0.56	9.33	40	46
	3.0	300	4.8	0.50	8.39	44	50	5.4	0.60	10.03	41	48
270° 	1.0	100	4.2	0.52	8.67	39	45	4.6	0.60	10.02	38	44
	1.5	150	4.4	0.57	9.58	40	46	4.8	0.69	11.55	40	46
	<b>2.1</b>	<b>210</b>	<b>4.6</b>	<b>0.64</b>	<b>10.62</b>	<b>40</b>	<b>46</b>	<b>5.2</b>	<b>0.80</b>	<b>13.40</b>	<b>40</b>	<b>46</b>
	2.5	250	4.7	0.70	11.64	42	49	5.3	0.84	14.00	40	46
	3.0	300	4.8	0.75	12.59	44	50	5.4	0.90	15.05	41	48
360° 	1.0	100	4.2	0.69	11.56	39	45	4.6	0.80	13.36	38	44
	1.5	150	4.4	0.77	12.77	40	46	4.8	0.92	15.40	40	46
	<b>2.1</b>	<b>210</b>	<b>4.6</b>	<b>0.85</b>	<b>14.16</b>	<b>40</b>	<b>46</b>	<b>5.2</b>	<b>1.07</b>	<b>17.87</b>	<b>40</b>	<b>46</b>
	2.5	250	4.7	0.93	15.52	42	49	5.3	1.12	18.66	40	46
	3.0	300	4.8	1.01	16.78	44	50	5.4	1.20	20.06	41	48

**Bold** = Recommended pressure

**Note:** The Pro-Spray PRS30 Sprinkler Body's built-in pressure regulator controls output to a maximum of 2.1 bar; 210 kPa. Adjusting the radius reduction screw may be required to achieve catalogue radius and flow.