

# PRO-SPRAY® FIXED ARC NOZZLES

## FEATURES

- Colour-coded for easy field identification
- Optimum droplet size minimises misting while maximising uniformity

## OPERATING SPECIFICATIONS

- Recommended operating pressure: 2.1 bar; 210 kPa
- Specify the Pro-Spray® PRS30 pop-up for accurate pressure regulation of 2.1 bar; 210 kPa







PRO-SPRAY® FIXED ARC NOZZLES						
ARC	5	8	10	12	15	17
Q						
T	Use 4A/6A Nozzle					Use 17A Nozzle
H						
TT	Use 4A/6A Nozzle	Use 8A Nozzle	Use 10A Nozzle			Use 17A Nozzle
TQ	Use 4A/6A Nozzle	Use 8A Nozzle	Use 10A Nozzle			Use 17A Nozzle
F						Use 17A Nozzle
	(1.5 m)	(2.4 m)	(3.0 m)	(3.7 m)	(4.6 m)	(5.2 m)

PRO-SPRAY® FIXED ARC NOZZLES PERFORMANCE DATA

**5** 1.5 m radius  
 Fixed: ¼, ½, Full  
 ● Blue Trajectory: 0°

**8** 2.4 m radius  
 Fixed: ¼, ½, Full  
 ● Brown Trajectory: 0°

**10** 3.0 m radius  
 Fixed: ¼, ½, Full  
 ● Red Trajectory: 15°

Arc	Position	Pressure		Radius		Flow		Precip mm/hr		Radius		Flow		Precip mm/hr		Radius		Flow		Precip mm/hr	
		bar	kPa	m	m	m <sup>3</sup> /hr	l/min	■	▲	m	m <sup>3</sup> /hr	l/min	■	▲	m	m <sup>3</sup> /hr	l/min	■	▲		
90° 	Q	1.0	100	1.1	0.02	0.30	60	69	1.7	0.04	0.62	51	59	2.4	0.07	1.08	45	52			
		1.5	150	1.3	0.02	0.38	54	62	2.1	0.05	0.84	46	53	2.7	0.08	1.33	44	50			
		2.0	200	1.5	0.03	0.45	48	55	2.4	0.06	1.00	42	48	3.0	0.09	1.53	41	47			
		<b>2.1</b>	<b>210</b>	<b>1.5</b>	<b>0.03</b>	<b>0.46</b>	<b>49</b>	<b>57</b>	<b>2.4</b>	<b>0.06</b>	<b>1.03</b>	<b>43</b>	<b>49</b>	<b>3.0</b>	<b>0.09</b>	<b>1.57</b>	<b>42</b>	<b>48</b>			
		2.5	250	1.7	0.03	0.51	42	49	2.7	0.07	1.13	37	43	3.3	0.10	1.71	38	44			
120° 	T	1.0	100	Use 4A or 6A Nozzle						1.7	0.05	0.83	51	59	2.4	0.09	1.44	45	52		
		1.5	150	Use 4A or 6A Nozzle						2.1	0.07	1.12	46	53	2.7	0.11	1.77	44	50		
		2.0	200	Use 4A or 6A Nozzle						2.4	0.08	1.33	42	48	3.0	0.12	2.04	41	47		
		<b>2.1</b>	<b>210</b>	Use 4A or 6A Nozzle						<b>2.4</b>	<b>0.08</b>	<b>1.37</b>	<b>43</b>	<b>49</b>	<b>3.0</b>	<b>0.13</b>	<b>2.09</b>	<b>42</b>	<b>48</b>		
		2.5	250	Use 4A or 6A Nozzle						2.7	0.09	1.51	37	43	3.3	0.14	2.28	38	44		
180° 	H	1.0	100	1.1	0.04	0.60	60	69	1.7	0.08	1.33	55	64	2.4	0.13	2.17	45	52			
		1.5	150	1.3	0.05	0.76	54	62	2.1	0.10	1.69	46	53	2.7	0.16	2.65	44	50			
		2.0	200	1.5	0.05	0.90	48	55	2.4	0.12	1.99	42	48	3.0	0.18	3.06	41	47			
		<b>2.1</b>	<b>210</b>	<b>1.5</b>	<b>0.06</b>	<b>0.92</b>	<b>49</b>	<b>57</b>	<b>2.4</b>	<b>0.12</b>	<b>2.05</b>	<b>43</b>	<b>49</b>	<b>3.0</b>	<b>0.19</b>	<b>3.14</b>	<b>42</b>	<b>48</b>			
		2.5	250	1.7	0.06	1.02	42	49	2.7	0.14	2.27	37	43	3.3	0.21	3.43	38	44			
240° 	TT	1.0	100	Use 4A or 6A Nozzle						Use 8A Nozzle						Use 10A Nozzle					
		1.5	150	Use 4A or 6A Nozzle						Use 8A Nozzle						Use 10A Nozzle					
		2.0	200	Use 4A or 6A Nozzle						Use 8A Nozzle						Use 10A Nozzle					
		<b>2.1</b>	<b>210</b>	Use 4A or 6A Nozzle						Use 8A Nozzle						Use 10A Nozzle					
		2.5	250	Use 4A or 6A Nozzle						Use 8A Nozzle						Use 10A Nozzle					
270° 	TQ	1.0	100	Use 4A or 6A Nozzle						Use 8A Nozzle						Use 10A Nozzle					
		1.5	150	Use 4A or 6A Nozzle						Use 8A Nozzle						Use 10A Nozzle					
		2.0	200	Use 4A or 6A Nozzle						Use 8A Nozzle						Use 10A Nozzle					
		<b>2.1</b>	<b>210</b>	Use 4A or 6A Nozzle						Use 8A Nozzle						Use 10A Nozzle					
		2.5	250	Use 4A or 6A Nozzle						Use 8A Nozzle						Use 10A Nozzle					
360° 	F	1.0	100	1.1	0.07	1.20	60	69	1.7	0.16	2.67	55	64	2.4	0.26	4.33	45	52			
		1.5	150	1.3	0.09	1.52	54	62	2.1	0.20	3.37	46	53	2.7	0.32	5.31	44	50			
		2.0	200	1.5	0.11	1.79	48	55	2.4	0.24	3.99	42	48	3.0	0.37	6.13	41	47			
		<b>2.1</b>	<b>210</b>	<b>1.5</b>	<b>0.11</b>	<b>1.85</b>	<b>49</b>	<b>57</b>	<b>2.4</b>	<b>0.25</b>	<b>4.10</b>	<b>43</b>	<b>49</b>	<b>3.0</b>	<b>0.38</b>	<b>6.28</b>	<b>42</b>	<b>48</b>			
		2.5	250	1.7	0.12	2.04	42	49	2.7	0.27	4.54	37	43	3.3	0.41	6.85	38	44			

Bold = Recommended pressure







NOZZLES

PRO-SPRAY® FIXED ARC NOZZLES PERFORMANCE DATA

**12** 3.7 m radius  
Fixed: ¼, ⅓, ½, ⅔, ¾, Full  
● Green Trajectory: 28°

**15** 4.6 m radius  
Fixed: ¼, ⅓, ½, ⅔, ¾, Full  
● Black Trajectory: 28°

**17** 5.2 m radius  
Fixed: ¼, ½  
● Grey Trajectory: 28°

Arc	Position	Pressure		Radius		Flow		Precip mm/hr		Radius		Flow		Precip mm/hr		Radius		Flow		Precip mm/hr		
		bar	kPa	m	m	m <sup>3</sup> /hr	l/min	■	▲	m	m <sup>3</sup> /hr	l/min	■	▲	m	m <sup>3</sup> /hr	l/min	■	▲			
90° 	Q	1.0	100	3.0	0.10	1.58	42	49	3.9	0.15	2.50	39	46	4.7	0.19	3.17	34	40				
		1.5	150	3.4	0.12	2.00	42	48	4.2	0.18	3.06	42	48	4.9	0.23	3.88	39	45				
		2.0	200	3.7	0.14	2.37	41	48	4.6	0.21	3.54	40	46	5.2	0.27	4.48	40	46				
		<b>2.1</b>	<b>210</b>	<b>3.7</b>	<b>0.15</b>	<b>2.43</b>	<b>43</b>	<b>49</b>	<b>4.6</b>	<b>0.22</b>	<b>3.62</b>	<b>41</b>	<b>47</b>	<b>5.2</b>	<b>0.28</b>	<b>4.59</b>	<b>41</b>	<b>47</b>				
		2.5	250	4.0	0.16	2.69	40	47	4.9	0.24	3.95	40	46	5.5	0.30	5.01	40	46				
120° 	T	1.0	100	3.0	0.13	2.11	42	49	3.9	0.20	3.33	39	46	Use 17A Nozzle								
		1.5	150	3.4	0.16	2.67	42	48	4.2	0.24	4.08	42	48									
		2.0	200	3.7	0.19	3.16	41	48	4.6	0.28	4.71	40	46									
		<b>2.1</b>	<b>210</b>	<b>3.7</b>	<b>0.19</b>	<b>3.25</b>	<b>43</b>	<b>49</b>	<b>4.6</b>	<b>0.29</b>	<b>4.83</b>	<b>41</b>	<b>47</b>									
		2.5	250	4.0	0.22	3.59	40	47	4.9	0.32	5.27	40	46									
180° 	H	1.0	100	3.0	0.19	3.17	42	49	3.9	0.30	5.00	39	46	4.7	0.38	6.33	34	40				
		1.5	150	3.4	0.24	4.01	42	48	4.2	0.37	6.12	42	48	4.9	0.47	7.76	39	45				
		2.0	200	3.7	0.28	4.73	41	48	4.6	0.42	7.07	40	46	5.2	0.54	8.96	40	46				
		<b>2.1</b>	<b>210</b>	<b>3.7</b>	<b>0.29</b>	<b>4.87</b>	<b>43</b>	<b>49</b>	<b>4.6</b>	<b>0.43</b>	<b>7.25</b>	<b>41</b>	<b>47</b>	<b>5.2</b>	<b>0.55</b>	<b>9.18</b>	<b>41</b>	<b>47</b>				
		2.5	250	4.0	0.32	5.39	40	47	4.9	0.47	7.91	40	46	5.5	0.60	10.01	40	46				
240° 	TT	1.0	100	3.0	0.25	4.22	42	49	3.9	0.40	6.67	39	46	Use 17A Nozzle								
		1.5	150	3.4	0.32	5.34	42	48	4.2	0.49	8.16	42	48									
		2.0	200	3.7	0.38	6.31	41	48	4.6	0.57	9.43	40	46									
		<b>2.1</b>	<b>210</b>	<b>3.7</b>	<b>0.39</b>	<b>6.49</b>	<b>43</b>	<b>49</b>	<b>4.6</b>	<b>0.58</b>	<b>9.66</b>	<b>41</b>	<b>47</b>									
		2.5	250	4.0	0.43	7.18	40	47	4.9	0.63	10.54	40	46									
270° 	TQ	1.0	100	3.0	0.29	4.75	42	49	3.9	0.45	7.50	39	46	Use 17A Nozzle								
		1.5	150	3.4	0.36	6.01	42	48	4.2	0.55	9.19	42	48									
		2.0	200	3.7	0.43	7.10	41	48	4.6	0.64	10.61	40	46									
		<b>2.1</b>	<b>210</b>	<b>3.7</b>	<b>0.44</b>	<b>7.30</b>	<b>43</b>	<b>49</b>	<b>4.6</b>	<b>0.65</b>	<b>10.87</b>	<b>41</b>	<b>47</b>									
		2.5	250	4.0	0.48	8.08	40	47	4.9	0.71	11.86	40	46									
360° 	F	1.0	100	3.0	0.38	6.33	42	49	3.9	0.60	10.00	39	46	Use 17A Nozzle								
		1.5	150	3.4	0.48	8.01	42	48	4.2	0.73	12.25	42	48									
		2.0	200	3.7	0.57	9.47	41	48	4.6	0.85	14.14	40	46									
		<b>2.1</b>	<b>210</b>	<b>3.7</b>	<b>0.58</b>	<b>9.74</b>	<b>43</b>	<b>49</b>	<b>4.6</b>	<b>0.87</b>	<b>14.49</b>	<b>41</b>	<b>47</b>									
		2.5	250	4.0	0.65	10.78	40	47	4.9	0.95	15.81	40	46									

Bold = Recommended pressure

NOZZLES