

# HIGH EFFICIENCY KVF NOZZLES



Choose from 8', 10', 12', 15' and 17' models

- Superior Spray Patterns
- Color-coded for Easy Identification
- Uniform Water Distribution
- Water Efficient Low Flow Rates
- Extra Long Filters Extend Time Between Cleanings



**K-Rain Manufacturing Corp.**  
1640 Australian Avenue  
Riviera Beach, FL 33404 USA  
561.844.1002  
FAX: 561.842.9493  
**1.800.735.7246 | [www.krain.com](http://www.krain.com)**

# HIGH EFFICIENCY KVF NOZZLES

K-Rain's High Efficiency KVF nozzles bring complete flexibility to contractors working with sprays in a variety of terrains. The fully adjustable, female threaded nozzles fit the K-Rain Pro-S series and the NP spray bodies, as well as any other male threaded spray body on the market. Choose from 8', 10', 12', 15' and 17' configurations.



## Models

- KVF-8** 8' Nozzle, Green
- KVF-10** 10' Nozzle, Blue
- KVF-12** 12' Nozzle, Brown
- KVF-15** 15' Nozzle, Black
- KVF-17** 17' Nozzle, Grey

## Performance Data

### KVF 8' NOZZLE PERFORMANCE

ARC	KVF 8' NOZZLE PERFORMANCE					METRIC					
	PRESSURE PSI	RADIUS FEET	FLOW GPM	PRECIP IN/HR	PRECIP IN/HR	PRESSURE KPA / BARS	RADIUS METERS	FLOW LPM	PRECIP MM/HR	PRECIP MM/HR	
90°	20	9	0.39	1.85	2.14	138	1.38	2.74	1.48	39	45
	25	10	0.42	1.62	1.87	207	2.07	3.05	1.59	34	39
	<b>30</b>	<b>10</b>	<b>0.50</b>	<b>1.93</b>	<b>2.22</b>	<b>276</b>	<b>2.76</b>	<b>3.05</b>	<b>1.89</b>	<b>41</b>	<b>47</b>
	40	11	0.61	1.94	2.24	345	3.45	3.35	2.31	41	47
180°	20	9	0.75	1.78	2.06	138	1.38	2.74	2.84	38	43
	25	9	0.85	2.02	2.33	207	2.07	2.74	3.22	43	49
	<b>30</b>	<b>10</b>	<b>1.00</b>	<b>1.93</b>	<b>2.22</b>	<b>276</b>	<b>2.76</b>	<b>3.05</b>	<b>3.79</b>	<b>41</b>	<b>47</b>
	40	10	1.16	2.23	2.58	345	3.45	3.05	4.39	47	54
270°	20	9	1.15	1.82	2.10	138	1.38	2.74	4.35	38	44
	25	9	1.25	1.98	2.29	207	2.07	2.74	4.73	42	48
	<b>30</b>	<b>10</b>	<b>1.50</b>	<b>1.93</b>	<b>2.22</b>	<b>276</b>	<b>2.76</b>	<b>3.05</b>	<b>5.68</b>	<b>41</b>	<b>47</b>
	40	10	1.75	2.25	2.59	345	3.45	3.05	6.62	47	55
360°	20	9	1.50	1.78	2.06	138	1.38	2.74	5.68	38	43
	25	9	1.70	2.02	2.33	207	2.07	2.74	6.44	43	49
	<b>30</b>	<b>10</b>	<b>2.00</b>	<b>1.93</b>	<b>2.22</b>	<b>276</b>	<b>2.76</b>	<b>3.05</b>	<b>7.57</b>	<b>41</b>	<b>47</b>
	40	10	2.30	2.21	2.56	345	3.45	3.05	8.71	47	54

### KVF 10' NOZZLE PERFORMANCE

ARC	KVF 10' NOZZLE PERFORMANCE					METRIC				
	PRESSURE PSI	RADIUS FEET	FLOW GPM	PRECIP IN/HR	PRECIP IN/HR	PRESSURE KPA / BARS	RADIUS METERS	FLOW LPM	PRECIP MM/HR	PRECIP MM/HR
90°	20	10	0.45	1.73	2.00	1.38	3.05	1.70	3.7	42
	25	11	0.54	1.72	1.98	2.07	3.35	2.04	3.6	42
	<b>30</b>	<b>12</b>	<b>0.62</b>	<b>1.66</b>	<b>1.91</b>	<b>2.76</b>	<b>3.66</b>	<b>2.35</b>	<b>35</b>	<b>40</b>
	40	12	0.70	1.87	2.16	3.45	3.66	2.65	3.9	46
180°	20	10	0.90	1.73	2.00	1.38	3.05	3.41	3.7	42
	25	11	1.10	1.75	2.02	2.07	3.35	4.16	3.7	43
	<b>30</b>	<b>12</b>	<b>1.25</b>	<b>1.67</b>	<b>1.93</b>	<b>2.76</b>	<b>3.66</b>	<b>4.73</b>	<b>35</b>	<b>41</b>
	40	12	1.40	1.87	2.16	3.45	3.66	5.30	3.9	46
270°	20	10	1.35	1.73	2.00	1.38	3.05	5.11	3.7	42
	25	11	1.65	1.75	2.02	2.07	3.35	6.25	3.7	43
	<b>30</b>	<b>12</b>	<b>1.85</b>	<b>1.65</b>	<b>1.90</b>	<b>2.76</b>	<b>3.66</b>	<b>7.00</b>	<b>35</b>	<b>40</b>
	40	12	2.10	1.87	2.16	3.45	3.66	7.95	3.9	46
360°	20	10	1.80	1.73	2.00	1.38	3.05	6.81	3.7	42
	25	11	2.20	1.75	2.02	2.07	3.35	8.33	3.7	43
	<b>30</b>	<b>12</b>	<b>2.50</b>	<b>1.67</b>	<b>1.93</b>	<b>2.76</b>	<b>3.66</b>	<b>9.46</b>	<b>35</b>	<b>41</b>
	40	12	2.80	1.87	2.16	3.45	3.66	10.60	3.9	46

### KVF 12' NOZZLE PERFORMANCE

ARC	KVF 12' NOZZLE PERFORMANCE					METRIC				
	PRESSURE PSI	RADIUS FEET	FLOW GPM	PRECIP IN/HR	PRECIP IN/HR	PRESSURE KPA / BARS	RADIUS METERS	FLOW LPM	PRECIP MM/HR	PRECIP MM/HR
90°	20	12	0.65	1.74	2.01	1.38	3.66	2.46	3.7	42
	25	13	0.70	1.59	1.84	2.07	3.96	2.65	3.4	39
	<b>30</b>	<b>14</b>	<b>0.80</b>	<b>1.57</b>	<b>1.81</b>	<b>2.76</b>	<b>4.27</b>	<b>3.03</b>	<b>33</b>	<b>38</b>
	40	14	0.90	1.77	2.04	3.45	4.27	3.41	3.7	43
180°	20	12	1.30	1.74	2.01	1.38	3.66	4.92	3.7	42
	25	13	1.40	1.59	1.84	2.07	3.96	5.30	3.4	39
	<b>30</b>	<b>14</b>	<b>1.60</b>	<b>1.57</b>	<b>1.81</b>	<b>2.76</b>	<b>4.27</b>	<b>6.06</b>	<b>33</b>	<b>38</b>
	40	14	1.80	1.77	2.04	3.45	4.27	6.81	3.7	43
270°	20	12	1.90	1.69	1.95	1.38	3.66	7.19	3.6	41
	25	13	2.10	1.59	1.84	2.07	3.96	7.95	3.4	39
	<b>30</b>	<b>14</b>	<b>2.40</b>	<b>1.57</b>	<b>1.81</b>	<b>2.76</b>	<b>4.27</b>	<b>9.08</b>	<b>33</b>	<b>38</b>
	40	14	2.60	1.70	1.97	3.45	4.27	9.84	3.6	41
360°	20	12	2.20	1.47	1.70	1.38	3.66	8.33	3.1	36
	25	13	2.60	1.48	1.71	2.07	3.96	9.84	3.1	36
	<b>30</b>	<b>14</b>	<b>3.10</b>	<b>1.52</b>	<b>1.76</b>	<b>2.76</b>	<b>4.27</b>	<b>11.73</b>	<b>32</b>	<b>37</b>
	40	14	3.50	1.72	1.98	3.45	4.27	13.25	3.6	42

### KVF 15' NOZZLE PERFORMANCE

ARC	KVF 15' NOZZLE PERFORMANCE					METRIC				
	PRESSURE PSI	RADIUS FEET	FLOW GPM	PRECIP IN/HR	PRECIP IN/HR	PRESSURE KPA / BARS	RADIUS METERS	FLOW LPM	PRECIP MM/HR	PRECIP MM/HR
90°	20	14	0.75	1.47	1.70	1.38	4.27	2.84	3.1	36
	25	15	0.85	1.45	1.68	2.07	4.57	3.22	3.1	35
	<b>30</b>	<b>15</b>	<b>0.95</b>	<b>1.63</b>	<b>1.88</b>	<b>2.76</b>	<b>4.57</b>	<b>3.60</b>	<b>34</b>	<b>40</b>
	40	17	1.10	1.47	1.69	3.45	5.18	4.16	3.1	36
180°	20	14	1.40	1.38	1.59	1.38	4.27	5.30	2.9	33
	25	15	1.70	1.45	1.68	2.07	4.57	6.44	3.1	35
	<b>30</b>	<b>15</b>	<b>1.90</b>	<b>1.63</b>	<b>1.88</b>	<b>2.76</b>	<b>4.57</b>	<b>7.19</b>	<b>34</b>	<b>40</b>
	40	17	2.30	1.53	1.77	3.45	5.18	8.71	3.2	37
270°	20	14	2.25	1.47	1.70	1.38	4.27	8.52	3.1	36
	25	15	2.55	1.45	1.68	2.07	4.57	9.65	3.1	35
	<b>30</b>	<b>15</b>	<b>2.80</b>	<b>1.60</b>	<b>1.84</b>	<b>2.76</b>	<b>4.57</b>	<b>10.60</b>	<b>34</b>	<b>39</b>
	40	17	3.40	1.51	1.74	3.45	5.18	12.87	3.2	37
360°	20	14	3.00	1.47	1.70	1.38	4.27	11.36	3.1	36
	25	15	3.40	1.45	1.68	2.07	4.57	12.87	3.1	35
	<b>30</b>	<b>15</b>	<b>3.80</b>	<b>1.63</b>	<b>1.88</b>	<b>2.76</b>	<b>4.57</b>	<b>14.38</b>	<b>34</b>	<b>40</b>
	40	17	4.60	1.53	1.77	3.45	5.18	17.41	3.2	37

### KVF 17' NOZZLE PERFORMANCE

ARC	KVF 17' NOZZLE PERFORMANCE					METRIC				
	PRESSURE PSI	RADIUS FEET	FLOW GPM	PRECIP IN/HR	PRECIP IN/HR	PRESSURE KPA / BARS	RADIUS METERS	FLOW LPM	PRECIP MM/HR	PRECIP MM/HR
90°	20	17	0.85	1.13	1.31	1.38	5.18	3.22	2.4	28
	25	17	0.95	1.27	1.46	2.07	5.18	3.60	2.7	31
	<b>30</b>	<b>18</b>	<b>1.05</b>	<b>1.25</b>	<b>1.44</b>	<b>2.76</b>	<b>5.49</b>	<b>3.97</b>	<b>26</b>	<b>30</b>
	40	18	1.20	1.43	1.65	3.45	5.49	4.54	3.0	35
180°	20	16	1.70	1.28	1.48	1.38	4.88	6.44	2.7	31
	25	17	1.90	1.27	1.46	2.07	5.18	7.19	2.7	31
	<b>30</b>	<b>18</b>	<b>2.10</b>	<b>1.25</b>	<b>1.44</b>	<b>2.76</b>	<b>5.49</b>	<b>7.95</b>	<b>26</b>	<b>30</b>
	40	18	2.40	1.43	1.65	3.45	5.49	9.08	3.0	35
270°	20	16	2.50	1.25	1.45	1.38	4.88	9.46	2.6	31
	25	17	2.80	1.24	1.44	2.07	5.18	10.60	2.6	30
	<b>30</b>	<b>18</b>	<b>3.15</b>	<b>1.25</b>	<b>1.44</b>	<b>2.76</b>	<b>5.49</b>	<b>11.92</b>	<b>26</b>	<b>30</b>
	40	18	3.60	1.43	1.65	3.45	5.49	13.63	3.0	35
360°	20	16	3.40	1.28	1.48	1.38	4.88	12.87	2.7	31
	25	17	3.80	1.27	1.46	2.07	5.18	14.38	2.7	31
	<b>30</b>	<b>18</b>	<b>4.20</b>	<b>1.25</b>	<b>1.44</b>	<b>2.76</b>	<b>5.49</b>	<b>15.90</b>	<b>26</b>	<b>30</b>
	40	18	4.80	1.43	1.65	3.45	5.49	18.17	3.0	35

\* Data represents test results in zero wind. Adjust for local conditions. Radius may be reduced with the nozzle retention screw.

