



INNOVATIVE  
IRRIGATION



komet | *Pivot*

## Komet Precision Wave (KPW)

### End of System Device

The Komet Precision Wave (KPW) is a highly innovative end of system distribution device. Its unique design, distinguished by an oscillating deflector, delivers an exceptionally uniform droplet distribution pattern within an optimal throw radius



## The Product

Appropriate water distribution at the end of a mechanized irrigation system can ensure a significantly increased yield, as well as improve overall crop health. The more uniform the water application beyond the end of the system, the greater the achievable yield.

The Komet Precision Wave (KPW) operates in an extended pressure range of 15-60 psi, and includes an assortment of nozzles that have been meticulously calibrated to deliver the precise amount of water required by the sprinkler package design of the irrigation system.

The Komet Precision Wave (KPW) with its available models: Head-up White Deflector and Head-down Yellow Deflector, is adaptable to every need - whether the focus is more on throw and gaining acres, or on flushing the system in difficult water situations.

For optimal flushing action, which can prevent accumulations of debris at the end of system, bigger nozzle sizes should be used.

### Features and Benefits:

- ▶ Excellent operation at low pressure 15-60 psi
- ▶ Outstanding droplet distribution uniformity
- ▶ Optimal throw
- ▶ Two models: Head-up or Head-down installation
- ▶ Two connection options: 2" NPT or 1 1/4" NPT with 6" adapter

## Available Models



## Performance Data U.S. Units

### Komet Precision Wave (KPW)

Head-up installation  
White deflector



Connection  
2" NPT  
includes  
15 cm Adapter

Connection  
1 1/4" NPT  
includes  
15 cm Adapter



### komet | Precision Wave (KPW)

#### HEAD-UP WHITE DEFLECTOR

| Operating Parameters     |                         |                     | Installation |
|--------------------------|-------------------------|---------------------|--------------|
| Nozzle range<br>(1/128") | Pressure range<br>(psi) | Flow range<br>(gpm) | Head-Up      |
| 52 - 90                  | 15 - 60                 | 17.7 - 114.9        |              |

| Pressure | Throw Radius R (ft)               |                |                     |                |                     |                |                     |                |                     |                |                     |                |                     |                |                     |                |                     |                |
|----------|-----------------------------------|----------------|---------------------|----------------|---------------------|----------------|---------------------|----------------|---------------------|----------------|---------------------|----------------|---------------------|----------------|---------------------|----------------|---------------------|----------------|
|          | Installation Height <b>H=13ft</b> |                |                     |                |                     |                |                     |                |                     |                |                     |                |                     |                |                     |                |                     |                |
|          | Nozzle<br>52 1/128"               |                | Nozzle<br>56 1/128" |                | Nozzle<br>60 1/128" |                | Nozzle<br>65 1/128" |                | Nozzle<br>70 1/128" |                | Nozzle<br>75 1/128" |                | Nozzle<br>80 1/128" |                | Nozzle<br>85 1/128" |                | Nozzle<br>90 1/128" |                |
| psi      | Flow<br>(gpm)                     | Radius<br>(ft) | Flow<br>(gpm)       | Radius<br>(ft) | Flow<br>(gpm)       | Radius<br>(ft) | Flow<br>(gpm)       | Radius<br>(ft) | Flow<br>(gpm)       | Radius<br>(ft) | Flow<br>(gpm)       | Radius<br>(ft) | Flow<br>(gpm)       | Radius<br>(ft) | Flow<br>(gpm)       | Radius<br>(ft) | Flow<br>(gpm)       | Radius<br>(ft) |
| 15       | 17.7                              | 31.8           | 21.5                | 32.4           | 25.5                | 33.1           | 30.0                | 33.7           | 34.8                | 34.4           | 39.9                | 34.8           | 45.4                | 35.0           | 51.2                | 35.4           | 57.5                | 35.7           |
| 20       | 20.5                              | 34.3           | 24.8                | 34.9           | 29.5                | 35.7           | 34.6                | 36.5           | 40.1                | 36.8           | 46.1                | 37.3           | 52.4                | 37.7           | 59.2                | 38.1           | 66.3                | 38.6           |
| 25       | 22.9                              | 36.4           | 27.7                | 37.2           | 33.0                | 38.0           | 38.7                | 38.8           | 44.9                | 39.2           | 51.5                | 39.7           | 58.6                | 40.1           | 66.2                | 40.6           | 74.2                | 41.0           |
| 30       | 25.1                              | 38.2           | 30.3                | 39.1           | 36.1                | 40.0           | 42.4                | 40.7           | 49.2                | 41.2           | 56.4                | 41.8           | 64.2                | 42.2           | 72.5                | 42.7           | 81.3                | 43.1           |
| 35       | 27.1                              | 39.7           | 32.8                | 40.6           | 39.0                | 41.6           | 45.8                | 42.2           | 53.1                | 42.9           | 60.9                | 43.5           | 69.3                | 44.0           | 78.3                | 44.5           | 87.8                | 44.8           |
| 40       | 29.0                              | 40.9           | 35.0                | 42.0           | 41.7                | 42.9           | 48.9                | 43.5           | 56.8                | 44.3           | 65.2                | 44.8           | 74.1                | 45.4           | 83.7                | 45.8           | 93.8                | 46.2           |
| 45       | 30.7                              | 42.0           | 37.2                | 43.0           | 44.2                | 43.9           | 51.9                | 44.6           | 60.2                | 45.3           | 69.1                | 45.9           | 78.6                | 46.5           | 88.8                | 46.9           | 99.5                | 47.2           |
| 50       | 32.4                              | 42.9           | 39.2                | 43.8           | 46.6                | 44.8           | 54.7                | 45.5           | 63.5                | 46.2           | 72.8                | 46.7           | 82.9                | 47.4           | 93.6                | 47.8           | 104.9               | 48.1           |
| 55       | 34.0                              | 43.6           | 41.1                | 44.6           | 48.9                | 45.6           | 57.4                | 46.2           | 66.6                | 47.0           | 76.4                | 47.5           | 86.9                | 48.1           | 98.1                | 48.6           | 110.0               | 48.9           |
| 60       | 35.5                              | 44.3           | 42.9                | 45.2           | 51.1                | 46.2           | 59.9                | 46.8           | 69.5                | 47.7           | 79.8                | 48.2           | 90.8                | 48.8           | 102.5               | 49.2           | 114.9               | 49.6           |

### Komet Precision Wave (KPW)

Head-down installation  
Yellow deflector



Connection  
2" NPT  
includes  
15 cm Adapter

Connection  
1 1/4" NPT  
includes  
15 cm Adapter



### komet | Precision Wave (KPW)

#### HEAD-DOWN YELLOW DEFLECTOR

| Operating Parameters     |                         |                     | Installation |
|--------------------------|-------------------------|---------------------|--------------|
| Nozzle range<br>(1/128") | Pressure range<br>(psi) | Flow range<br>(gpm) | Head-Down    |
| 52 - 90                  | 15 - 60                 | 17.7 - 114.9        |              |

| Pressure | Throw Radius R (ft)               |                |                     |                |                     |                |                     |                |                     |                |                     |                |                     |                |                     |                |                     |                |
|----------|-----------------------------------|----------------|---------------------|----------------|---------------------|----------------|---------------------|----------------|---------------------|----------------|---------------------|----------------|---------------------|----------------|---------------------|----------------|---------------------|----------------|
|          | Installation Height <b>H=13ft</b> |                |                     |                |                     |                |                     |                |                     |                |                     |                |                     |                |                     |                |                     |                |
|          | Nozzle<br>52 1/128"               |                | Nozzle<br>56 1/128" |                | Nozzle<br>60 1/128" |                | Nozzle<br>65 1/128" |                | Nozzle<br>70 1/128" |                | Nozzle<br>75 1/128" |                | Nozzle<br>80 1/128" |                | Nozzle<br>85 1/128" |                | Nozzle<br>90 1/128" |                |
| psi      | Flow<br>(gpm)                     | Radius<br>(ft) | Flow<br>(gpm)       | Radius<br>(ft) | Flow<br>(gpm)       | Radius<br>(ft) | Flow<br>(gpm)       | Radius<br>(ft) | Flow<br>(gpm)       | Radius<br>(ft) | Flow<br>(gpm)       | Radius<br>(ft) | Flow<br>(gpm)       | Radius<br>(ft) | Flow<br>(gpm)       | Radius<br>(ft) | Flow<br>(gpm)       | Radius<br>(ft) |
| 15       | 17.7                              | 33.7           | 21.5                | 34.5           | 25.5                | 35.4           | 30.0                | 36.0           | 34.8                | 36.7           | 39.9                | 37.4           | 45.4                | 38.0           | 51.2                | 38.5           | 57.5                | 39.0           |
| 20       | 20.5                              | 35.6           | 24.8                | 36.7           | 29.5                | 37.5           | 34.6                | 38.3           | 40.1                | 39.0           | 46.1                | 39.6           | 52.4                | 40.3           | 59.2                | 40.9           | 66.3                | 41.4           |
| 25       | 22.9                              | 36.9           | 27.7                | 38.1           | 33.0                | 39.0           | 38.7                | 39.8           | 44.9                | 40.5           | 51.5                | 41.1           | 58.6                | 41.8           | 66.2                | 42.5           | 74.2                | 43.0           |
| 30       | 25.1                              | 38.0           | 30.3                | 39.2           | 36.1                | 40.2           | 42.4                | 41.0           | 49.2                | 41.7           | 56.4                | 42.3           | 64.2                | 43.0           | 72.5                | 43.8           | 81.3                | 44.4           |
| 35       | 27.1                              | 39.0           | 32.8                | 40.2           | 39.0                | 41.2           | 45.8                | 42.0           | 53.1                | 42.7           | 60.9                | 43.4           | 69.3                | 44.1           | 78.3                | 44.8           | 87.8                | 45.5           |
| 40       | 29.0                              | 39.8           | 35.0                | 41.0           | 41.7                | 42.1           | 48.9                | 42.8           | 56.8                | 43.5           | 65.2                | 44.3           | 74.1                | 45.0           | 83.7                | 45.7           | 93.8                | 46.4           |
| 45       | 30.7                              | 40.6           | 37.2                | 41.7           | 44.2                | 42.9           | 51.9                | 43.6           | 60.2                | 44.3           | 69.1                | 45.1           | 78.6                | 45.8           | 88.8                | 46.5           | 99.5                | 47.2           |
| 50       | 32.4                              | 41.2           | 39.2                | 42.4           | 46.6                | 43.5           | 54.7                | 44.3           | 63.5                | 44.9           | 72.8                | 45.8           | 82.9                | 46.5           | 93.6                | 47.2           | 104.9               | 47.9           |
| 55       | 34.0                              | 41.9           | 41.1                | 43.0           | 48.9                | 44.1           | 57.4                | 44.9           | 66.6                | 45.6           | 76.4                | 46.5           | 86.9                | 47.2           | 98.1                | 47.8           | 110.0               | 48.5           |
| 60       | 35.5                              | 42.4           | 42.9                | 43.5           | 51.1                | 44.7           | 59.9                | 45.5           | 69.5                | 46.2           | 79.8                | 47.1           | 90.8                | 47.8           | 102.5               | 48.4           | 114.9               | 49.0           |

The performance data were obtained under ideal testing conditions and are the base for the mathematical model. Performance may be adversely affected by wind and other factors. Pressure refers to pressure at nozzle. Performance data regarding flow and throw in relation to installation height and deflector type shown in the tables, originate from the mathematical model used in the Komet Pivot Calculator Software.