

## Komet Precision Twister (KPT) Models

komet | Precision Twister (KPT)



**Black Deflector**  
Standard Trajectory Angle

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**Blue Deflector**  
Low Trajectory Angle

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**Yellow Deflector**  
Ultra-Low Trajectory Angle

komet | Precision Twister (KPT) Peak



**White Deflector**  
Low Profile Trajectory  
For use on Top of Pipe

komet | Precision Twister (KPT) PC180



**Grey Deflector**  
Part Circle  
For use on rigid drops

## Komet Precision Regulator (KPR-X)



**All Flow Pressure Regulator**  
Available Models:

6 psi | 0.4 bar  
10 psi | 0.7 bar  
15 psi | 1.0 bar  
20 psi | 1.4 bar



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INNOVATIVE  
IRRIGATION

komet | *Pivot*

**Pivot Sprinkler Products**  
for Mechanized Irrigation Systems

**THE KOMET ADVANTAGE:**  
INNOVATION WITH IMPACT

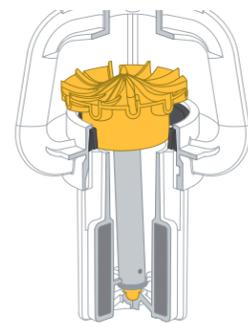


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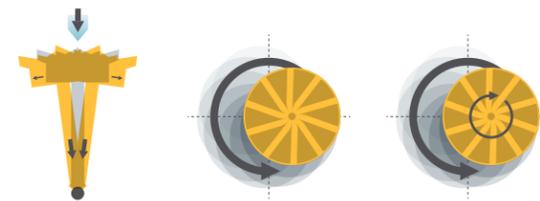
Standard Trajectory Angle  
#30 | 6 mm Nozzle size  
10 psi | 0.7 bar Pressure  
10 ft | 3 m Spacing

# 1 Distribution

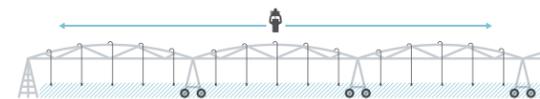
## Komet 3-D Motion System



- Reacts very responsively to minimal pressure and flow
- Superior uniformity within the whole distribution pattern
- Consistent distribution uniformity over entire range of operation
- Large wetted diameter

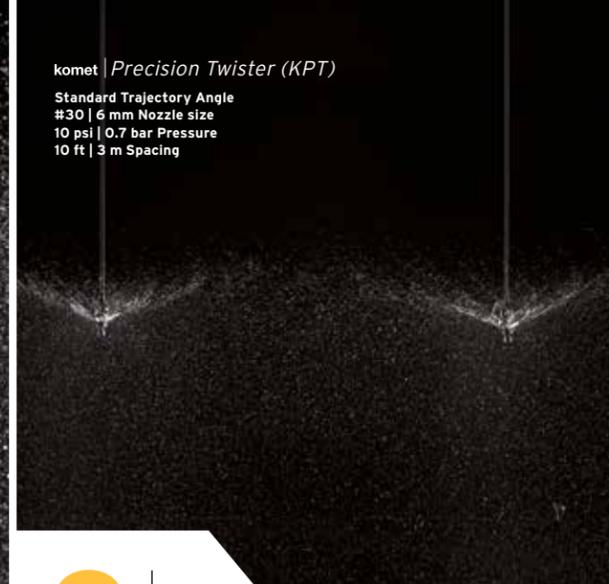


## Universal Pivot Sprinkler



### Komet Precision Twister (KPT)

- One sprinkler for the entire irrigation system
- Consistent distribution pattern from the pivot point to the end
- Pressure range: 6 - 20 psi | 0.4 - 1.4 bar
- Nozzle range: 10 - 52/128" | 2 - 10.3 mm



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Standard Trajectory Angle  
#30 | 6 mm Nozzle size  
10 psi | 0.7 bar Pressure  
10 ft | 3 m Spacing

# 2 Consistency of Droplet Size

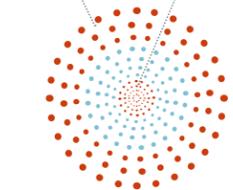
## Komet Deflector



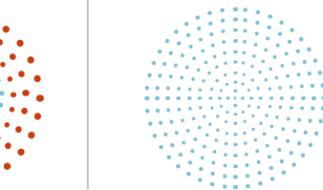
- Consistent water droplets over entire flow range
- Special groove configuration and surface design
- Reduced very fine droplets and misting

Typical droplet distribution of competitive devices

Droplets too large



Droplets too fine



Komet Precision Twister (KPT) Droplet distribution

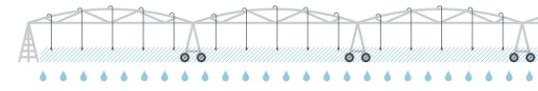
Optimized droplet size consistency over whole wetted diameter

## Consistent Droplet Size

1. Optimized distribution uniformity within the whole distribution pattern



2. Consistent distribution pattern throughout the entire irrigation system



3. Droplets controlled by pressure

10 psi | 0.7 bar  
Medium droplets

15 psi | 1.0 bar  
Moderately smaller droplets

6 psi | 0.4 bar  
Moderately larger droplets

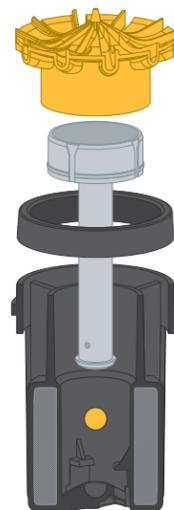


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Standard Trajectory Angle  
#30 | 6 mm Nozzle size  
Below 6 psi | 0.4 bar Pressure

# 3 Energy Efficiency

## Komet Low Inertia Moving Parts

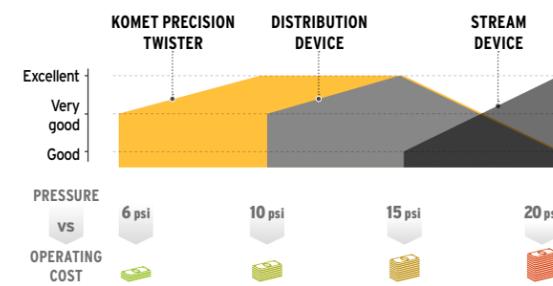


- Very efficient at low pressures
- No need for additional starting devices
- Designed with a focus on efficiency in operation
- Very good performance starting from 6 psi | 0.4 bar

## Optimal Operating Pressure for Most Used Sprinklers

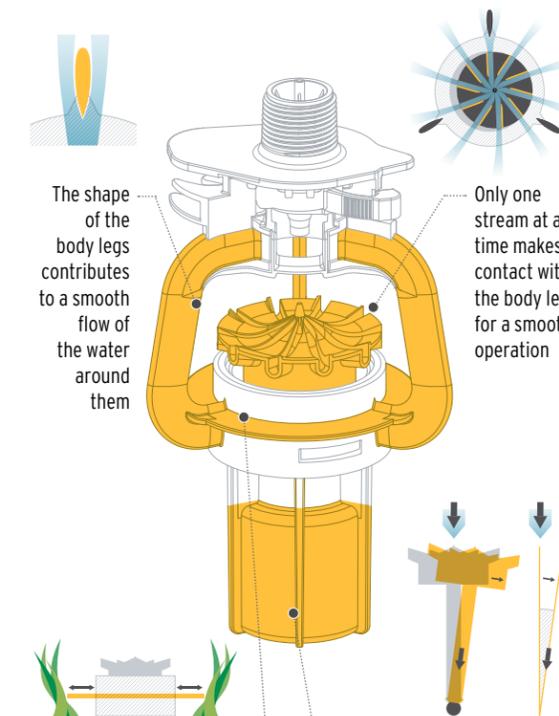
Komet Precision Twister	Competitor's distribution device	Competitor's stream device
10 psi	15 psi	20 psi

## Sprinkler Device Efficiencies



# 4 Reliability

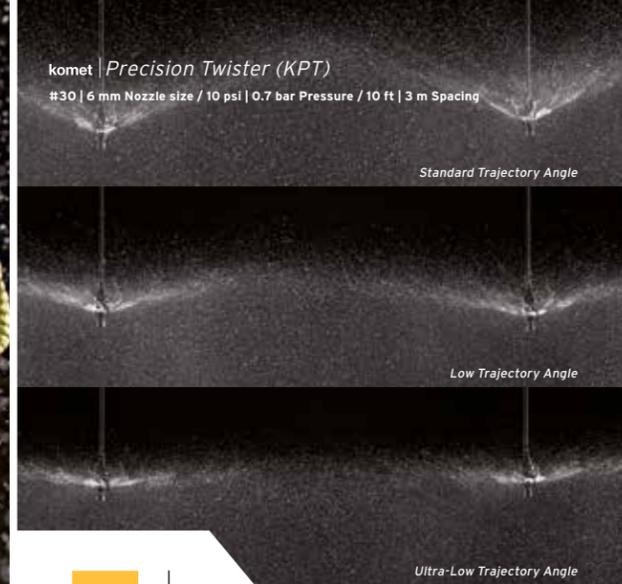
## Komet Design - Quality



A crop guard keeps the deflector rotating in tall crops

Exclusive design of moving parts results in reduced stress and minimized wear

- Very smooth operation by design
- Integrated weight 0.75 lb | 350 gr
- Very little vibration
- Shock proof and UV resistant technical polymers
- Field proven in a variety of conditions



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#30 | 6 mm Nozzle size / 10 psi | 0.7 bar Pressure / 10 ft | 3 m Spacing

# 5 Adaptability

## Komet Applications

- Black Deflector**  
Standard Trajectory Angle  
For most applications
- Blue Deflector**  
Low Trajectory Angle  
For applications in windy conditions
- Yellow Deflector**  
Ultra-Low Trajectory Angle  
For extreme conditions such as high winds, high heat and/or low flow
- White Deflector**  
Low Profile Trajectory  
For use on top of pipe  
For tall, dense crop types
- Grey Deflector**  
Part Circle  
For use on rigid drops

## Komet Rapid Fit Nozzle

- Ergonomically designed
- Intuitive to use and fast to change
- Easy to identify nozzle sizes



## Integrated Nozzle Carrier

- Secondary nozzle carrier molded into the sprinkler body. Adapt to different system flow requirements by using a second nozzle