



komet

INNOVATIVE
IRRIGATION

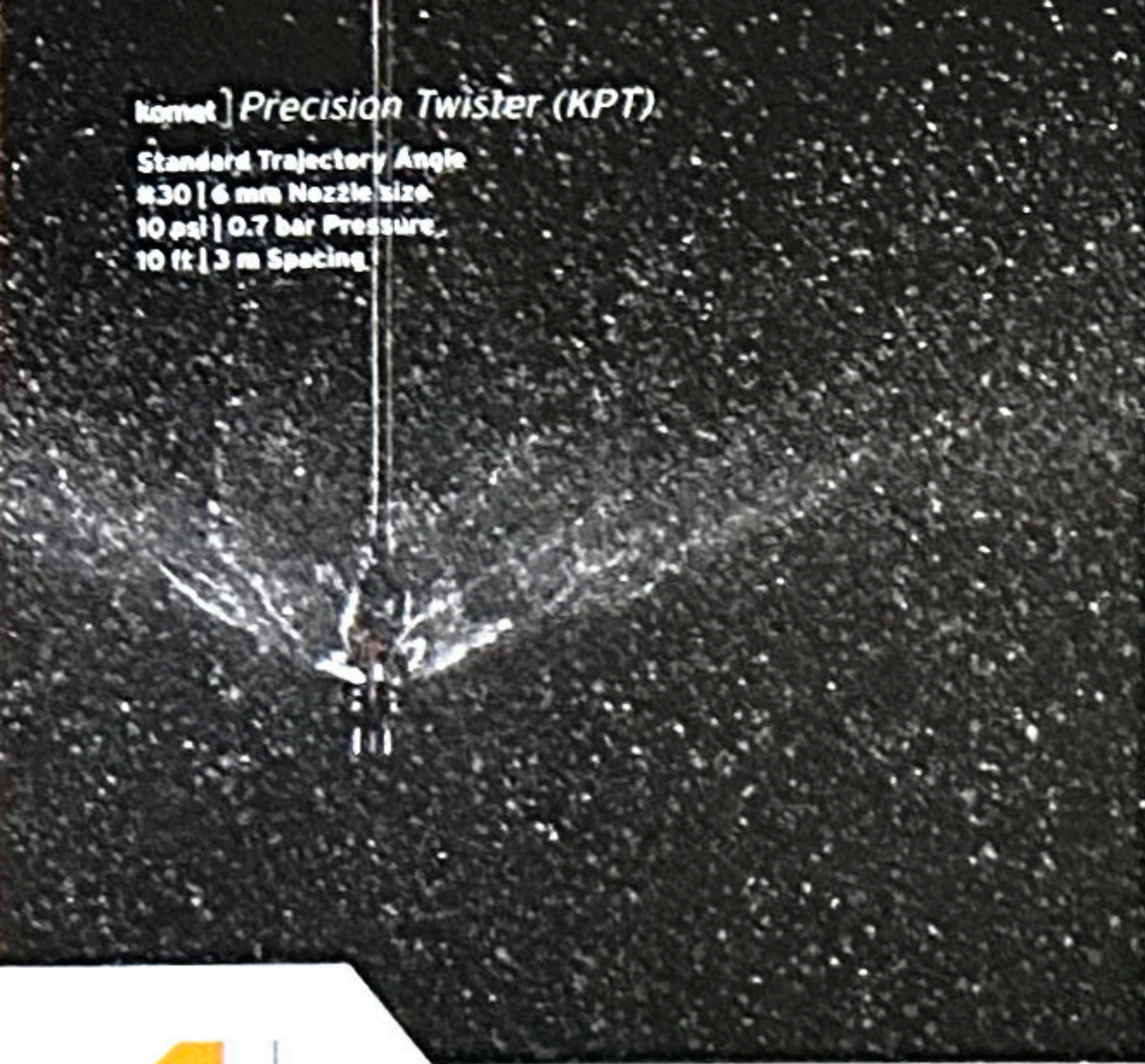
komet | *Pivot*

Pivot Sprinkler Products

for Mechanized Irrigation Systems



**THE KOMET ADVANTAGE:
INNOVATION WITH IMPACT**

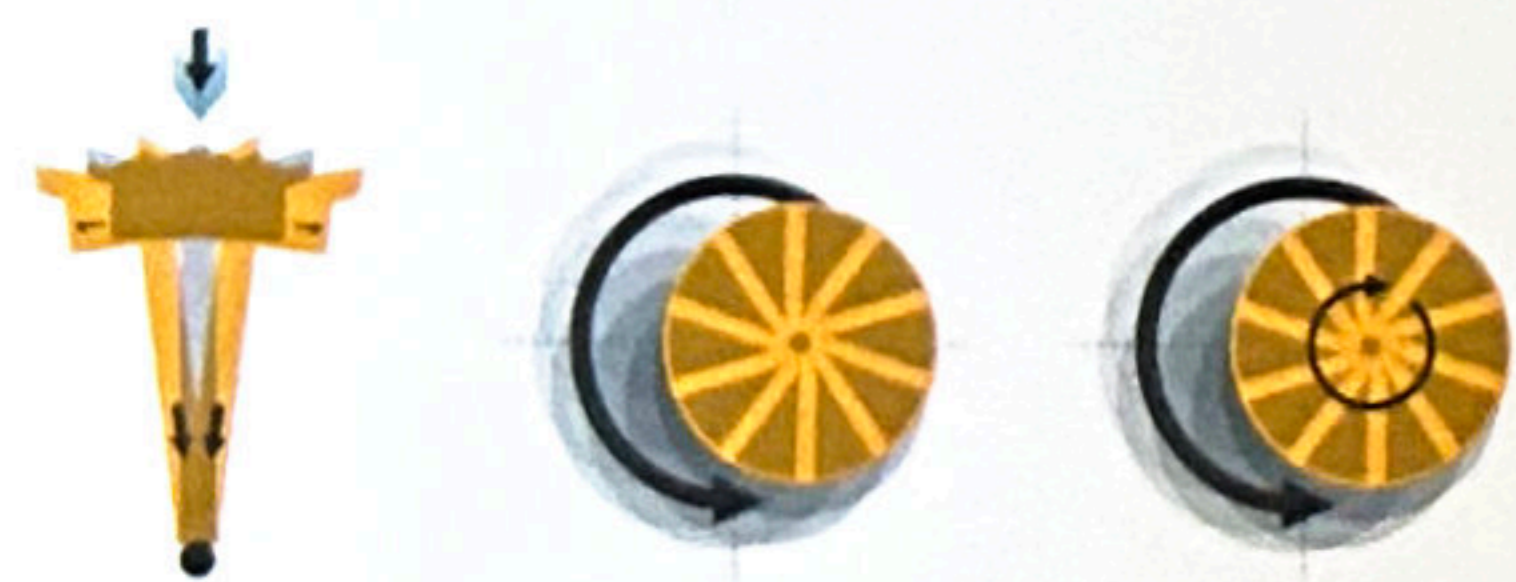


Komet Precision Twister (KPT)
Standard Trajectory Angle
#30 | 6 mm Nozzle size
10 psi | 0.7 bar Pressure
10 ft | 3 m Spacing

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

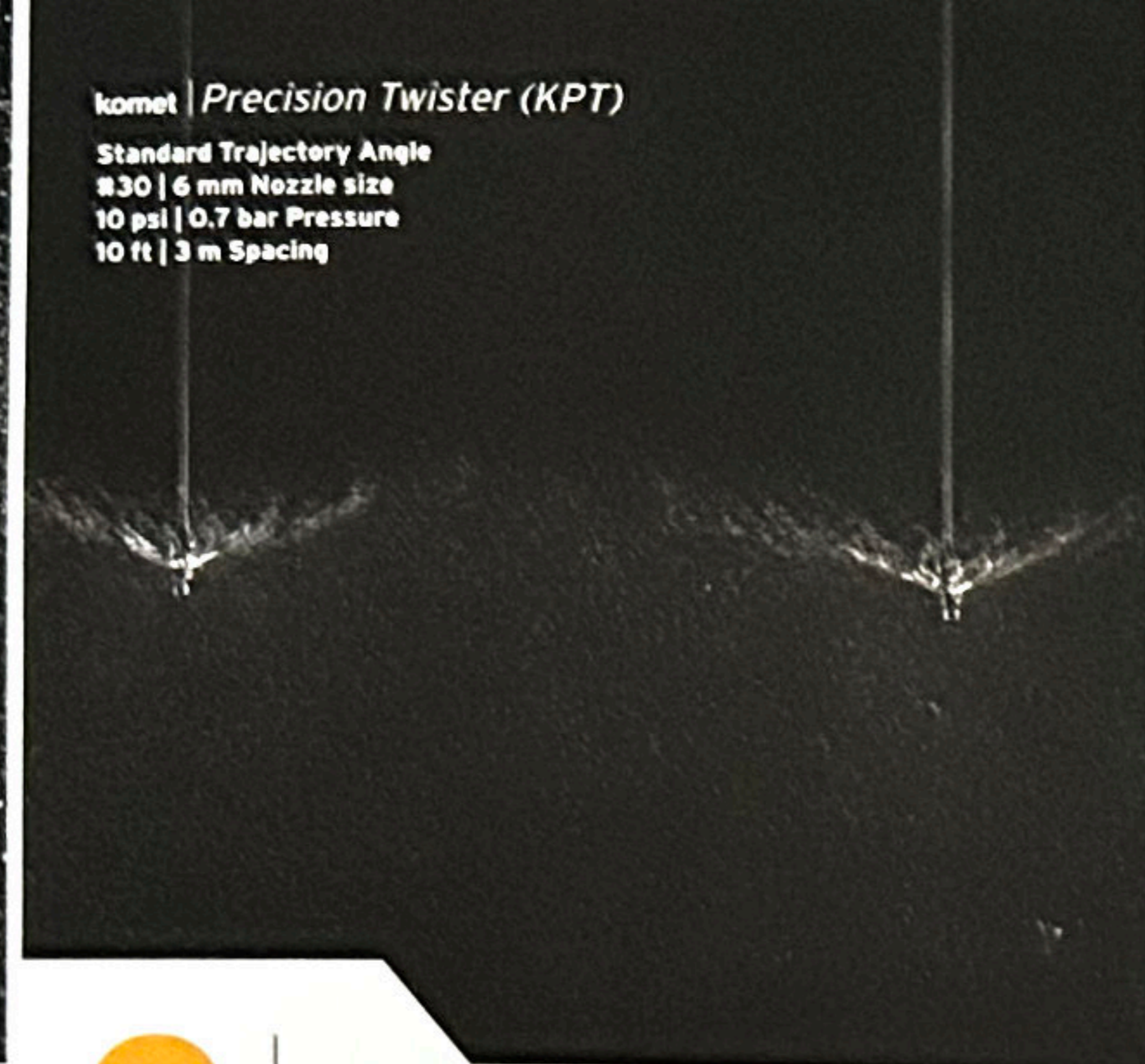


Universal Pivot Sprinkler



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



Komet Precision Twister (KPT)
Standard Trajectory Angle
#30 | 6 mm Nozzle size
10 psi | 0.7 bar Pressure
10 ft | 3 m Spacing

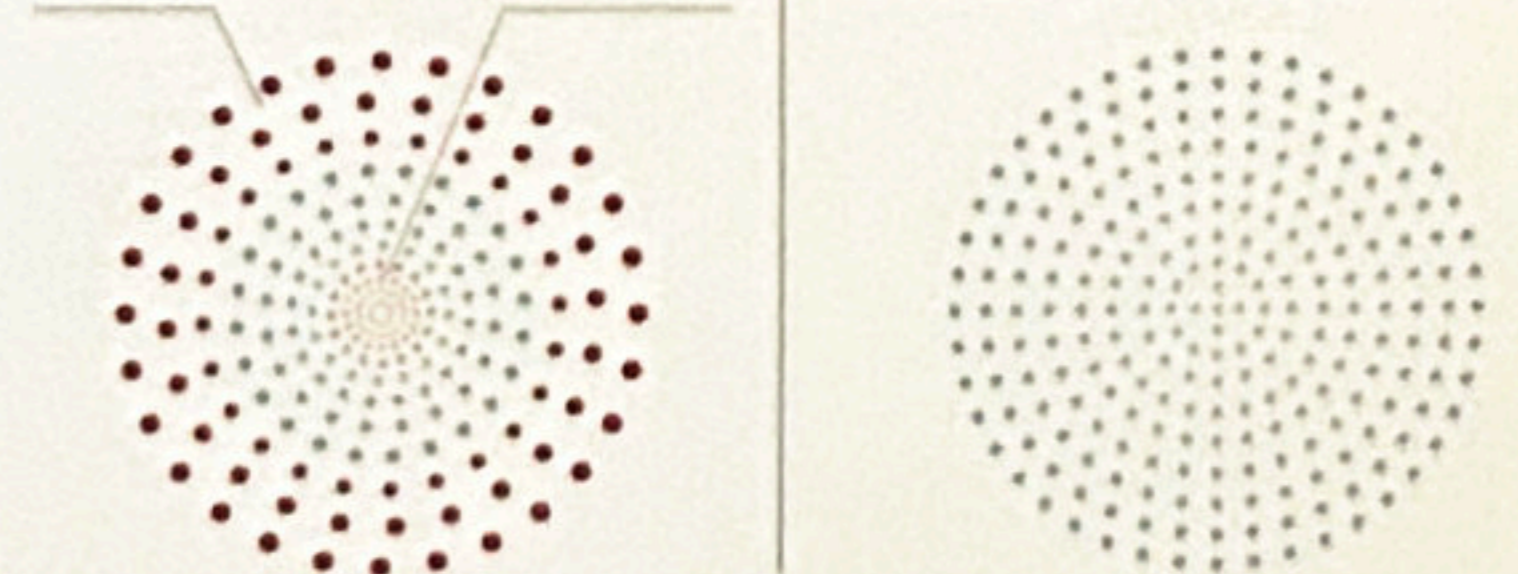
2 Consistency of Droplet Size

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



Komet Precision Twister (KPT)
Standard Trajectory Angle
#30 | 6 mm Nozzle size
Below 6 psi | 0.4 bar Pressure

3 Energy Efficiency

Komet Low Inertia Moving Parts

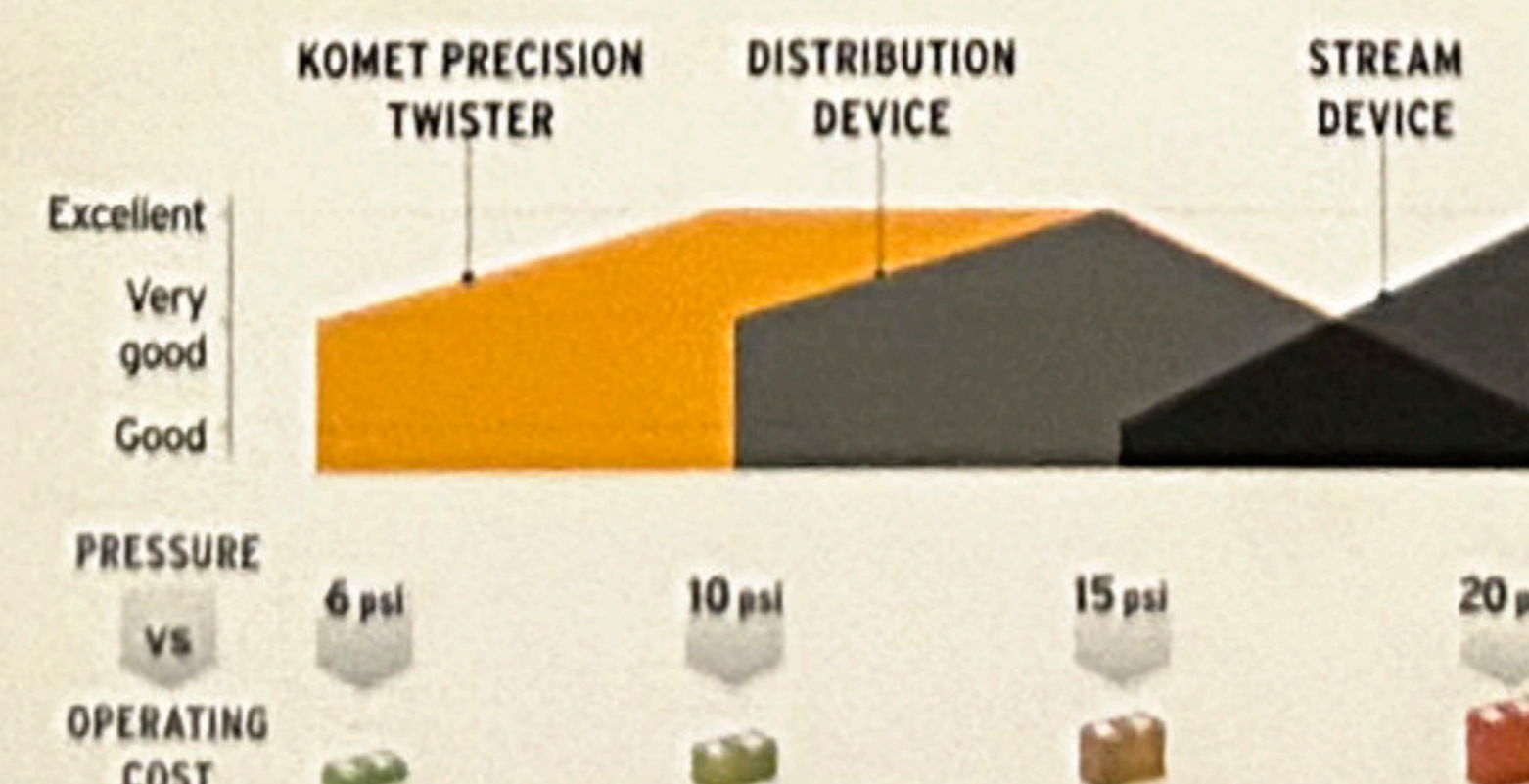
- Very efficient at low pressures
- No need for additional starting devices
- Designed with a focus on efficiency in operation
- Very good performance starting from 6 psi | 0.4 bar



Optimal Operating Pressure for Most Used Sprinklers

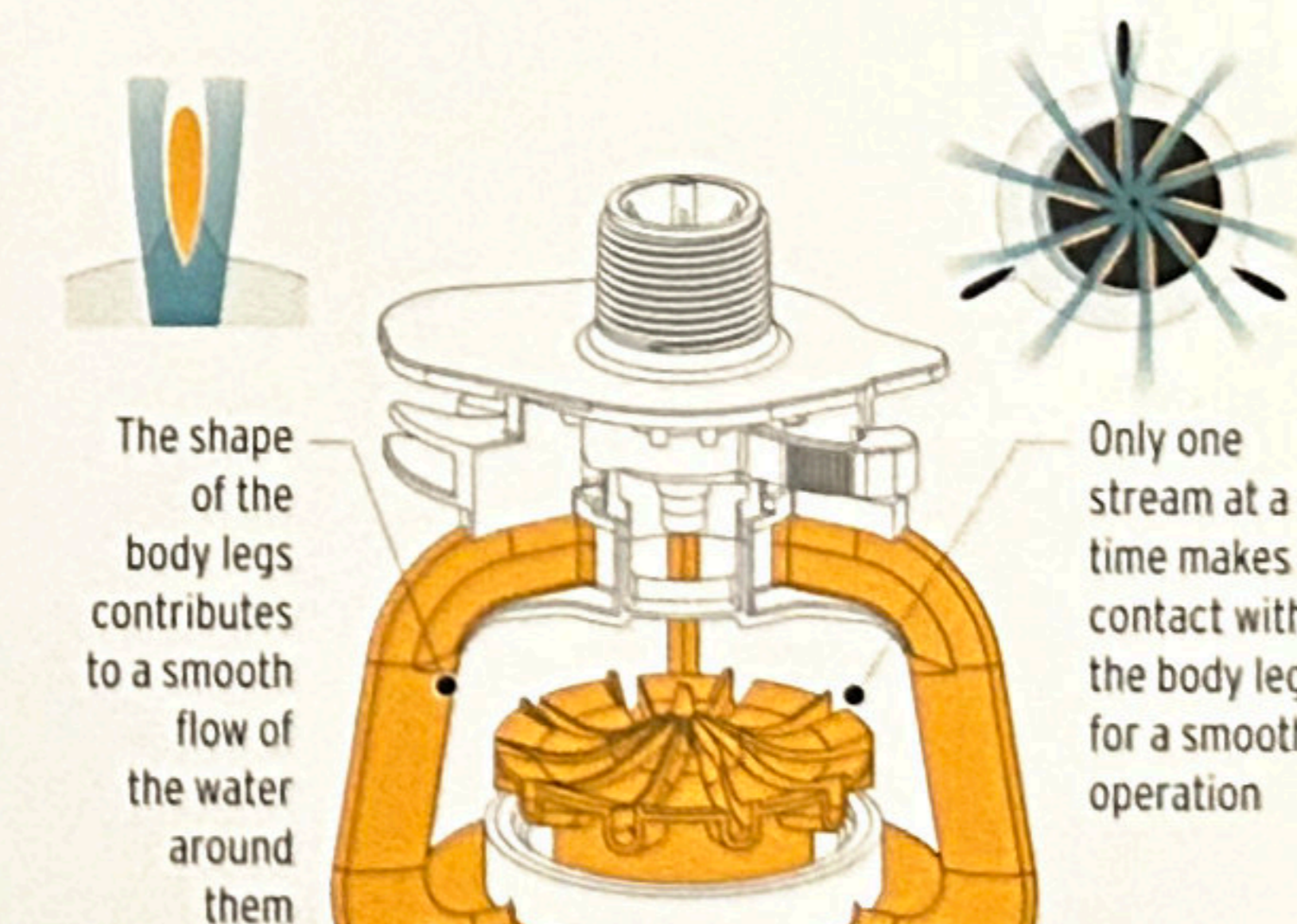
| Komet Precision Twister | Competitor's distribution device | Competitor's stream device |
|-------------------------|----------------------------------|----------------------------|
| 10 psi | 15 psi | 20 psi |

Sprinkler Device Efficiencies



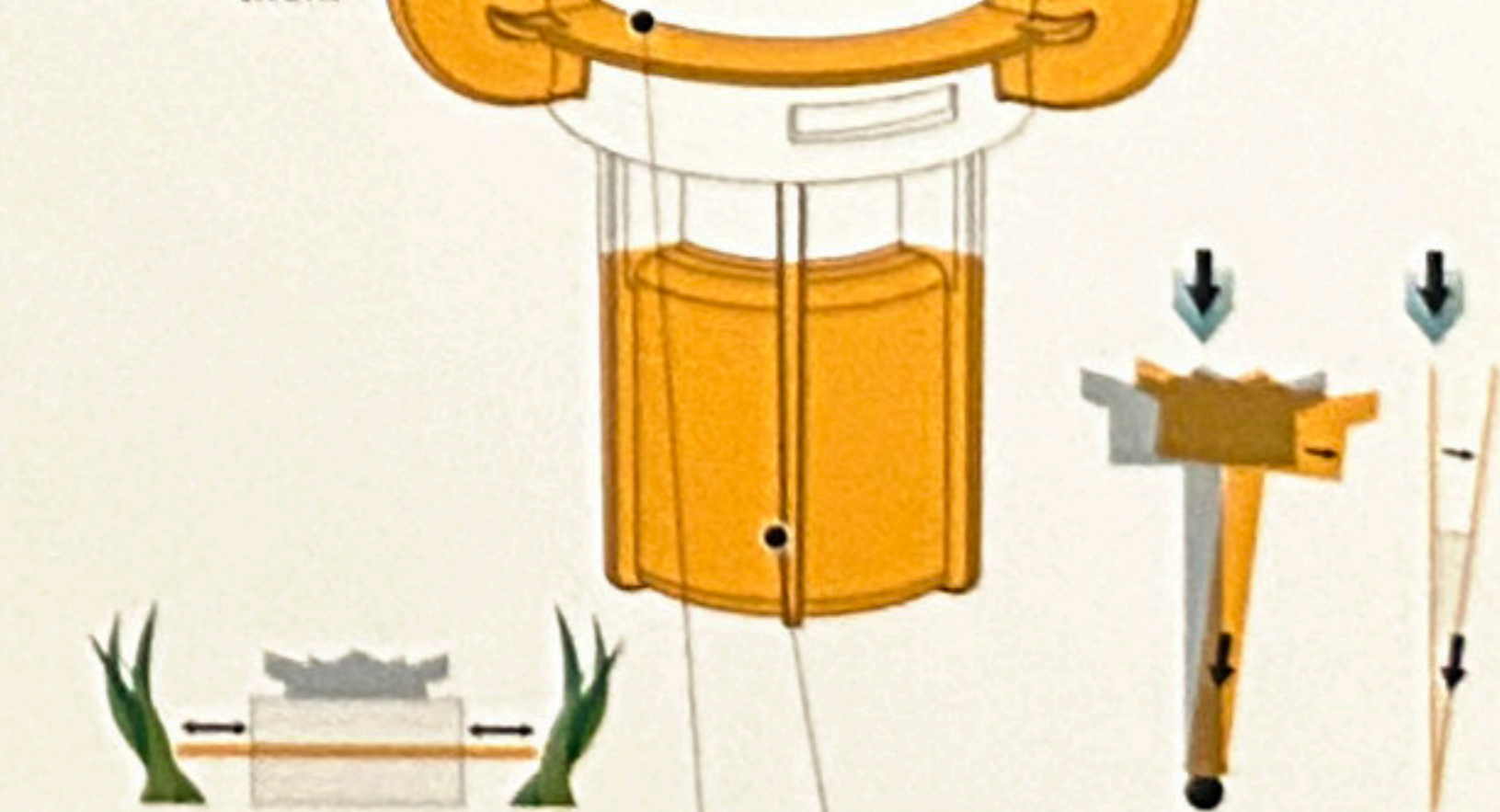
4 Reliability

Komet Design - Quality



The shape of the body legs contributes to a smooth flow of the water around them

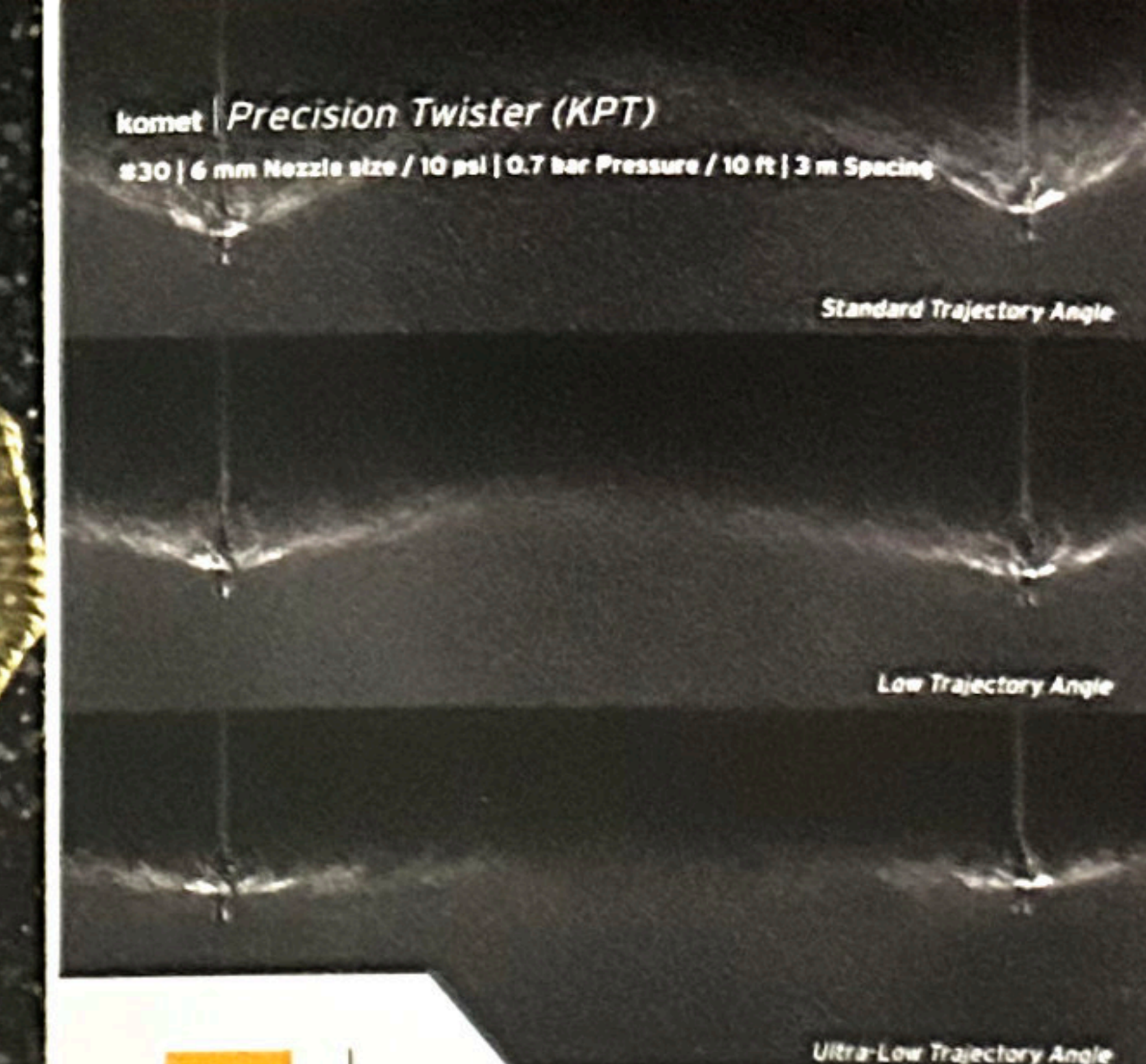
Only one stream at a time makes contact with the body leg for a smooth operation



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



Komet Precision Twister (KPT)
#30 | 6 mm Nozzle size / 10 psi | 0.7 bar Pressure / 10 ft | 3 m Spacing

5 Adaptability

Komet Trajectory Angles

- 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

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

Komet Precision Twister (KPT) Models

komet | *Precision Twister (KPT)*



Black Deflector
Standard Trajectory Angle

komet | *Precision Twister (KPT)*



Blue Deflector
Low Trajectory Angle

komet | *Precision Twister (KPT)*



Yellow Deflector
Ultra-Low Trajectory Angle

komet | *Precision Twister (KPT-Peak)*



White Deflector
Low Profile Trajectory
For use on Top of Pipe

Komet Precision Regulator (KPR)



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



Komet Irrigation Corp.
4501 Paden Road
Fremont, NE 68026 USA
Ph. (402) 753 3677
Fax (402) 753 3804
komet.us@kometirrigation.com
www.kometirrigation.com



Rif. 176 ED. Z17/09 - 4.5
© Copyright 2017 Komet Irrigation Corp.

All data, indications and illustrations are only informative and are subject to change at any time without previous notice and without incurring obligation.

