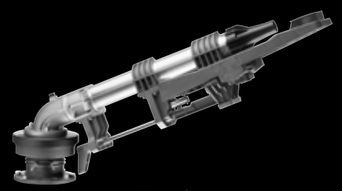
Komet Twin Models

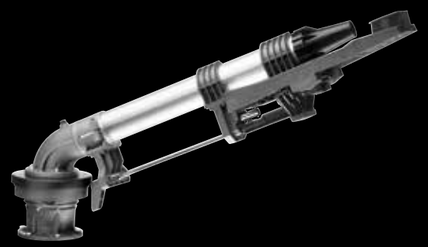
komet | *Twin Max*

komet | *Twin 101 ULTRA*



komet | *Twin 140 ULTRA*

komet | *Twin 160 ULTRA*



komet | *Twin 202 ULTRA*

komet®
INNOVATIVE IRRIGATION

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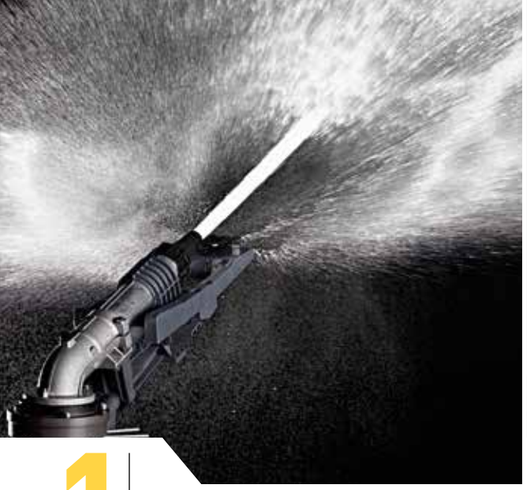
komet INNOVATIVE IRRIGATION

komet | *Twin*

Big Volume Guns

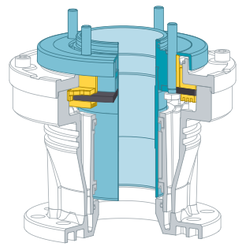
for Travellers, Pivots and Solid-sets

THE KOMET ADVANTAGE:
INNOVATION WITH IMPACT



1 Distribution

Komet Automatic Brake



1.

While waiting to operate, the gun's brake disc rests on the lower brake pads

2.

With increasing operating pressure, the brake disc is pushed upwards against the upper brake pads, generating a braking force

3.

A higher operating pressure will generate a higher brake force to compensate for the increased rotation force produced by the drive system

Self-adjusted brake force
- Ideal rotation speed at all pressures

Brake force too high
- Rotation speed too slow

Brake force too low
- Rotation speed too fast

Komet Deflector

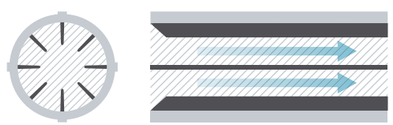
- Excellent distribution uniformity, starting from the gun over its entire throw range
- Adapts its operation to all pressure level and fluctuations

2 Throw

Komet Fluid Dynamics

The Deflector is designed for excellent water distribution while maintaining a laminar water stream for maximum throw

Komet Barrel



The Komet Twin Barrel is designed to allow the water to reach the nozzle with the least possible turbulences and pressure losses

Komet Nozzle

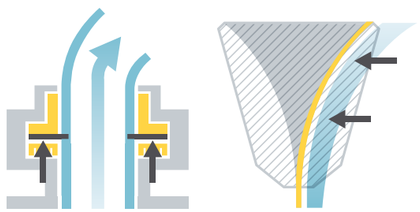
The particular shape of the full Taper Bore Nozzle allows the water to retain the maximum velocity and exit the nozzle with a perfectly round water stream to reach unrivaled throws

3 Energy Efficiency

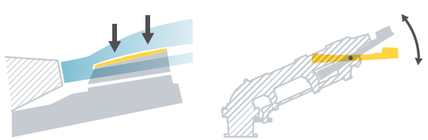
Komet Energy System

Komet Balance System

- The Komet Balance System is based on the interaction between the self-adjusting brake and deflector
- The resulting balanced operating mode allows for an excellent performance at all pressure and flow levels
- The interactive balancing between the two elements is continuous and automatic



Constant rotation speed at all pressure levels



Optimized water distribution at all pressure levels

4 Reliability

Komet Design - Quality

Automatic Brake

The Automatic Brake System is unique in its function due to the materials used. The internal parts are made of chemically treated stainless steel and inserted into an anodized aluminum housing to increase the resistance to corrosion and wear

Barrel

The Barrel, made of marine grade aluminum, is designed to maximize throw and optimize distribution.
The internal straightening vanes are the result of intense fluid dynamic studies

Drive Arm

The Drive Arm mechanism is made of technical polymers that ensure superior performance and excellent resistance to wear, superior to aluminum. The reduced weight of the parts allows for very good operation even at low pressures

5 Adaptability

Komet Vari-Angle

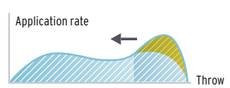
Strong winds can cause substantial water drift

Lowering the trajectory can reduce water drift

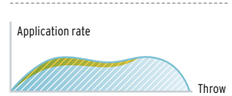
Adjustment of the trajectory in case of power lines

Komet Dynamic Jet-Breaker

Effect of the Dynamic Jet-Breaker at Low Pressures

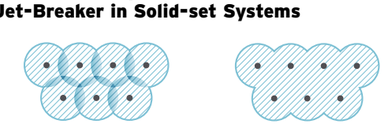


Schematic water distribution profile **without** dynamic jet-breaker



Schematic water distribution profile **with** dynamic jet-breaker

Effect of the Dynamic Jet-Breaker in Solid-set Systems



without jet-breaker

with jet-breaker