

## Komet Twin Models



komet | *Twin Max*



komet | *Twin 101 ULTRA*



komet | *Twin 140 ULTRA*



komet | *Twin 160 ULTRA*



komet | *Twin 202 ULTRA*



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INNOVATIVE  
IRRIGATION

# komet | *Twin*

## Big Volume Guns

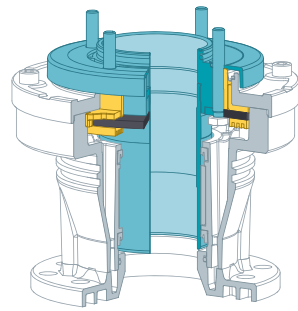
for Travellers, Pivots and Solid-sets

**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

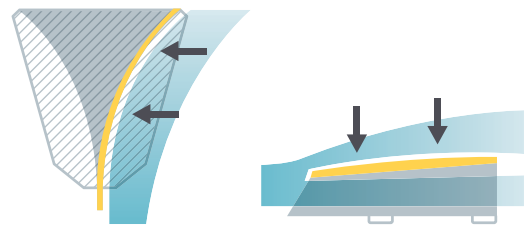
## Komet Deflector

- 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



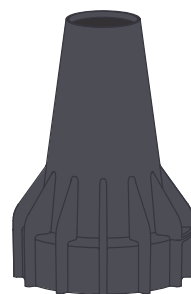
The Deflector is designed for excellent water distribution while maintaining a laminar water stream for maximum throw

## 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

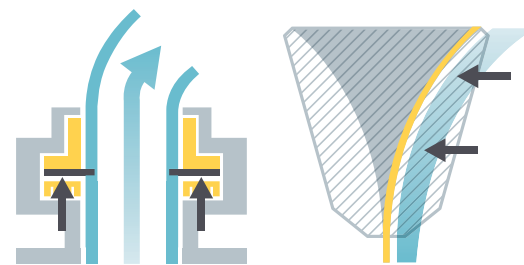


# 3 Energy Efficiency

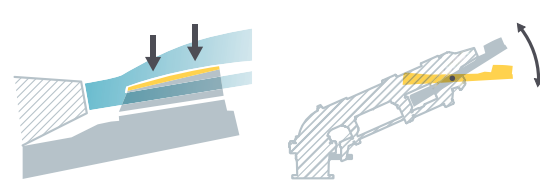
## Komet Energy System

### 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



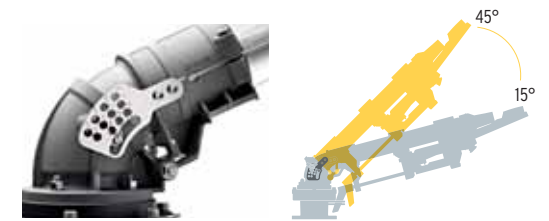
### Drive Arm

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

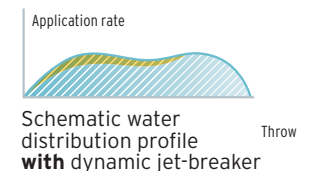
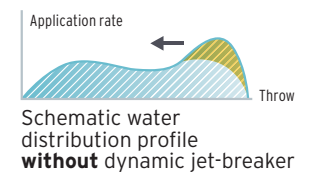
## Komet Vari-Angle



- 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



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

