



INNOVATIVE  
IRRIGATION

komet | *Trigon*

## Trigon 112

**For Wastewater & Mining Applications**

A heavy-duty, large-volume gun designed for the toughest industrial applications. An excellent throw, uniform coverage, and corrosion-resistant components. An unmatched solution for the distribution of aggressive liquids used in the leach mining industry.



### The Product

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When it comes to the distribution of liquids with very high or low pH values, the performance of a large volume gun is crucial.

The Trigon 112 offers a unique combination of hi-tech polymers and industrial-grade stainless steel components, assembled with corrosion-resistant gaskets and bolts. It is the only large volume gun on the market capable of handling the chemical solvents used in leach mining, such as sulphuric acid for copper and gold mining.

Sophisticated engineering ensures a uniform distribution pattern and consistent performance when reliability matters most.

As with all Komet large volume guns, the Trigon 112 undergoes meticulous quality control throughout the manufacturing process, including a fully pressurized water test of every single gun that leaves the factory floor.

## Features and Benefits:

- ▶ Ultra-high resistance to aggressive liquids such as seawater, sulphuric acid and other chemical agents used in leach mining
- ▶ Suitable for pH values between 3 and 8
- ▶ Unique combination of materials such as technical polymers, high-grade stainless steel and corrosion-resistant assembly parts
- ▶ Outstanding throw and uniform water distribution
- ▶ Engineered to minimize wear on key components for an especially long product lifespan
- ▶ Variable trajectory angle from 10° to 26°
- ▶ Nozzle range from 0.47" to 0.94"
- ▶ 2"NPT threaded connection

## Available Models

### Trigon 112

Vari Angle 10° - 26°, 2"NPT threaded connection



## Performance Data U.S. Units

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US UNITS

High Performance Nozzles / Trajectory angle

**24°**

| PSI       | Nozzle<br>0,47" |      | Nozzle<br>0,55" |      | Nozzle<br>0,63" |      | Nozzle<br>0,71" |      | Nozzle<br>0,79" |      | Nozzle<br>0,87" |      | Nozzle<br>0,94" |      |
|-----------|-----------------|------|-----------------|------|-----------------|------|-----------------|------|-----------------|------|-----------------|------|-----------------|------|
|           | GPM             | DIA. | GPM             | DIA. | GPM             | DIA. | GPM             | DIA. | GPM             | DIA. | GPM             | DIA. | GPM             | DIA. |
|           | <b>30</b>       | 35   | 154'            | 48   | 167'            | 62   | 175'            | 79   | 183'            | 97   | 193'            | 118  | 201'            | 140  |
| <b>40</b> | 40              | 173' | 55              | 187' | 72              | 200' | 91              | 211' | 112             | 226' | 136             | 235' | 162             | 245' |
| <b>50</b> | 45              | 189' | 62              | 204' | 80              | 219' | 102             | 237' | 125             | 253' | 152             | 263' | 181             | 277' |
| <b>60</b> | 50              | 201' | 67              | 217' | 88              | 237' | 111             | 253' | 138             | 271' | 167             | 283' | 198             | 300' |
| <b>70</b> | 54              | 211' | 73              | 231' | 95              | 253' | 120             | 262' | 149             | 282' | 180             | 297' | 214             | 314' |
| <b>80</b> | 57              | 222' | 78              | 243' | 102             | 267' | 129             | 278' | 159             | 299' | 192             | 310' | 229             | 326' |
| <b>90</b> | 61              | 231' | 83              | 253' | 108             | 278' | 137             | 291' | 169             | 316' | 204             | 326' | 243             | 342' |

N.B. The performance data were obtained under ideal testing conditions and may be adversely affected by wind and other factors. Pressure refers to pressure at nozzle. A lowered trajectory angle improves the irrigation efficiency in windy conditions. For every 3° drop of the trajectory angle the throw is reduced by approx. 3 to 4%.

The allowable operating range for Komet products is specified in the technical table.

Please be aware that water hammer can cause damage to the system and the product, and such damage will not be covered under warranty.



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