**Wide Range of Flows and Angles**

**DESIGN FEATURES**
- The original spiral nozzle invented by BETE and continuously improved!
- High energy efficiency
- One-piece/no internal parts
- Clog-resistant performance
- High discharge velocity
- Male connection standard; female connection available by special order

**Available with FM approval:** N series (page 102), 1/4" TF8 NN, FCN in brass, 1/2" TF24-150 in multiple materials

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**Spray characteristics**
- Wide range of flow rates and spray angles
- Fine atomization

**Spray patterns:** Full Cone.

For Hollow Cone, see page 45

**Spray angles:** 50° to 180°

**Flow rates:** 0.5 to 3320 gpm

(Higher flow rates available)

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**TF Full Cone Flow Rates and Dimensions**

Full Cone, 60° (NN), 90° (FCN or FFCN), 120° (FC or FFC), 150°, and 170° Spray Angles, 1/8" to 4" Pipe Sizes

**Flow Rate (GPM) = K \sqrt{PSI}**

*Dimensions are for bar stock, cast sizes may vary.* **50° nozzle slightly longer, consult BETE.**

**Spray angle performance varies with pressure. Contact BETE for specific data on critical applications.**

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**FT FULL CONE**

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