

TF29-180

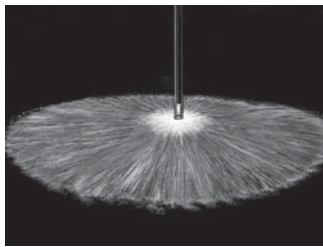
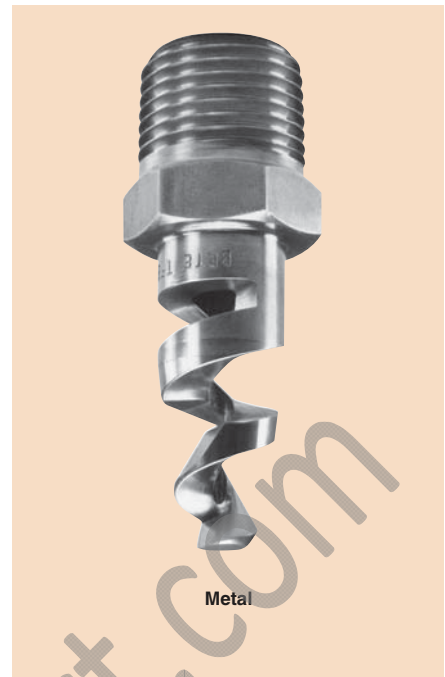
FireBeter: Ultra-Wide Full Cone Coverage

DESIGN FEATURES

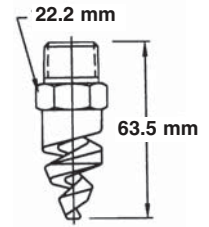
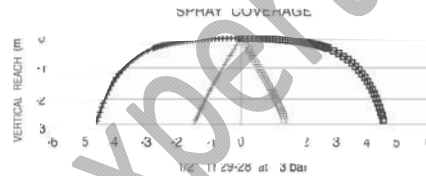
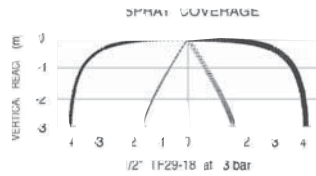
- Two-turn spiral
- Ultra-wide spray coverage very close to the nozzle
- One-piece design/no internal parts
- Excellent choice for deluge applications where there is little distance between nozzle and material being protected

SPRAY CHARACTERISTICS

- Wide spray coverage
 - Fine atomization
- Spray patterns:** circular sheet with maximum coverage and excellent atomization
- Spray angle:** 180° extra-wide angle
- Flow rates:** 12.3 to 355 l/min



Full Cone 180°



Dimensions are approximate. Check with BETE for critical dimension applications.

TF29-180 Flow Rates and Dimensions

Full Cone, 180° Extra Wide Spray Angle, 1/2" Pipe Size, BSP or NPT

| Male Pipe Size | Nozzle Number | K Factor | LITERS PER MINUTE @ BAR | | | | | | | | Approx. Free Pass. & Orifice Dia. (mm) |
|----------------|---------------|----------|-------------------------|---------|-------|-------|-------|-------|--------|--------|--|
| | | | 0.5 bar | 0.7 bar | 1 bar | 2 bar | 3 bar | 5 bar | 10 bar | 20 bar | |
| 1/2 | TF29-180-16 | 17.3 | 12.3 | 14.5 | 17.3 | 24.5 | 30.0 | 38.8 | 54.8 | 77.5 | 5.16 |
| | TF29-180-18 | 27.4 | 19.4 | 22.9 | 27.4 | 38.7 | 47.4 | 61.2 | 86.5 | 122 | 6.35 |
| | TF29-180-21 | 33.1 | 23.4 | 27.7 | 33.1 | 46.8 | 57.3 | 73.9 | 105 | 148 | 7.14 |
| | TF29-180-24 | 43.3 | 30.6 | 36.3 | 43.3 | 61.3 | 75.1 | 96.9 | 137 | 194 | 8.33 |
| | TF29-180-28 | 56.3 | 39.8 | 47.1 | 56.3 | 79.7 | 97.6 | 126 | 178 | 252 | 9.53 |
| | TF29-180-32 | 79.4 | 56.1 | 66.4 | 79.4 | 112 | 137 | 177 | 251 | 355 | 11.1 |

$$\text{Flow Rate (l/min)} = K\sqrt{\text{bar}}$$

Standard Materials: Brass and 316 Stainless Steel.

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

SPECIAL PURPOSE

CALL 413-772-0846
Call for the name of your nearest BETE representative.