



**Full Cone Nozzle DBTM/DBTF**

**Specification**

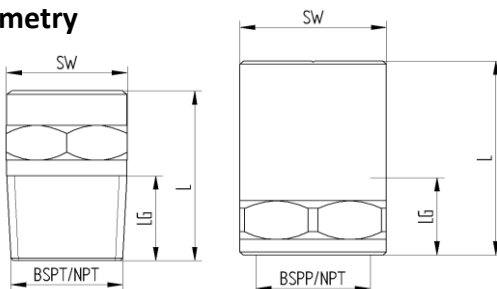
- Square shaped full cone spray pattern with even droplet distribution and wide spray angle
- Cross-milled core
- BSPT male thread or BSPP female thread
- Materials: Brass, stainless steel 1.4305 (303) , stainless steel 1.4404 (316)
- Other materials and spray angles upon request



**Technical Data**

| Size | Thread |     |     |     |     |   | Flow Rate [l/min] at Pressure [bar] |       |       |       |       |       |        |        | Spray Angle [°] at Pressure[bar] |     |     |
|------|--------|-----|-----|-----|-----|---|-------------------------------------|-------|-------|-------|-------|-------|--------|--------|----------------------------------|-----|-----|
|      | 1/8    | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 0,35                                | 0,7   | 1     | 1,5   | 2     | 3     | 6      | 8      | 0,7                              | 2   | 6   |
| 6    | X      | X   |     |     |     |   | 0,88                                | 1,25  | 1,50  | 1,88  | 2,18  | 2,65  | 3,41   | 3,76   | 110                              | 100 | 90  |
| 8    | X      | X   |     |     |     |   | 1,30                                | 1,86  | 2,28  | 2,84  | 3,23  | 4,00  | 5,38   | 5,97   | 125                              | 120 | 100 |
| 11   | X      | X   |     |     |     |   | 1,86                                | 2,79  | 3,23  | 3,86  | 4,31  | 5,15  | 6,73   | 7,70   | 115                              | 120 | 95  |
| 15   |        | X   |     |     |     |   | 2,60                                | 3,67  | 4,50  | 5,26  | 5,59  | 6,64  | 8,70   | 9,70   | 115                              | 110 | 90  |
| 18   |        | X   |     |     |     |   | 3,10                                | 4,40  | 5,39  | 6,30  | 6,70  | 7,96  | 10,43  | 11,63  | 120                              | 120 | 95  |
| 22   |        | X   | X   |     |     |   | 3,95                                | 5,58  | 6,84  | 8,00  | 8,50  | 10,10 | 13,23  | 14,75  | 113                              | 110 | 90  |
| 25   |        |     | X   |     |     |   | 4,27                                | 6,04  | 7,24  | 8,43  | 9,32  | 11,01 | 14,65  | 16,26  | 120                              | 120 | 100 |
| 32   |        |     | X   |     |     |   | 5,90                                | 7,70  | 9,15  | 10,80 | 11,92 | 14,30 | 18,90  | 21,26  | 115                              | 110 | 85  |
| 39   |        |     | X   |     |     |   | 7,20                                | 9,40  | 11,15 | 13,14 | 14,52 | 17,40 | 23,00  | 25,90  | 120                              | 120 | 90  |
| 46   |        |     | X   | X   |     |   | 8,13                                | 11,62 | 13,64 | 15,86 | 17,27 | 19,29 | 25,45  | 29,39  | 125                              | 112 | 90  |
| 48   |        |     | X   | X   |     |   | 8,33                                | 12,52 | 15,25 | 16,87 | 18,18 | 23,13 | 29,80  | 34,34  | 125                              | 120 | 90  |
| 59   |        |     |     | X   |     |   | 9,29                                | 13,23 | 15,96 | 19,29 | 22,32 | 26,06 | 34,64  | 40,70  | 130                              | 128 | 100 |
| 65   |        |     |     | X   |     |   | 12,00                               | 15,65 | 18,60 | 21,92 | 24,21 | 29,00 | 38,37  | 43,20  | 115                              | 110 | 85  |
| 73   |        |     |     | X   |     |   | 13,50                               | 17,60 | 20,88 | 24,50 | 27,19 | 32,60 | 43,10  | 48,50  | 115                              | 120 | 90  |
| 82   |        |     |     |     | X   |   | 15,35                               | 20,00 | 23,74 | 27,98 | 30,91 | 37,07 | 48,99  | 55,15  | 115                              | 112 | 90  |
| 94   |        |     |     |     | X   |   | 16,77                               | 22,32 | 26,87 | 32,72 | 35,45 | 41,92 | 56,26  | 63,33  | 119                              | 120 | 91  |
| 98   |        |     |     |     | X   |   | 18,08                               | 23,23 | 27,78 | 34,24 | 37,27 | 44,34 | 59,59  | 67,87  | 112                              | 120 | 90  |
| 136  |        |     |     |     |     | X | 24,14                               | 35,25 | 42,32 | 48,18 | 51,41 | 60,20 | 81,20  | 91,41  | 118                              | 115 | 75  |
| 153  |        |     |     |     |     | X | 27,88                               | 38,08 | 46,97 | 53,93 | 57,97 | 67,47 | 91,30  | 108,07 | 125                              | 120 | 85  |
| 200  |        |     |     |     |     | X | 29,69                               | 42,32 | 51,41 | 62,62 | 75,95 | 88,68 | 120,19 | 139,38 | 118                              | 125 | 90  |

**Geometry**



| Thread | Male Thread |      |    | Female Thread |    |    |
|--------|-------------|------|----|---------------|----|----|
|        | SW          | L    | LG | SW            | L  | LG |
|        | [mm]        |      |    | [mm]          |    |    |
| 1/8"   | 11          | 17,5 | 7  | 13            | 25 | 7  |
| 1/4"   | 14          | 22   | 10 | 17            | 34 | 10 |
| 3/8"   | 17          | 25   | 10 | 22            | 38 | 10 |
| 1/2"   | 22          | 32   | 13 | 25            | 45 | 13 |
| 3/4"   | 27          | 38   | 15 | 30            | 55 | 15 |
| 1"     | 36          | 50   | 17 | 36            | 70 | 17 |

**Order Example**

Full Cone Nozzle Thread DBTM(F) Size - Material

- Male Thread: Full Cone Nozzle 3/8 DBTM 25 - 1.4404**  
**Female Thread: Full Cone Nozzle 1/4 DBTF 11 - 1.4305**