



30H

## 30H / 30WH

### 3/4" 19 mm Full Circle, Brass Impact Sprinkler

Bearing: 3/4" Male NPT, Brass  
Trajectory Angle: 27°  
Operating Range: 25-80 psi 1.7-5.5 bars  
Flow Rate: 2.9-13.1 GPM 0.66-2.98 m<sup>3</sup>/h  
Radius: 40-56 ft. 12.20-17.23 meters  
Range: One 1/4" Female NPT Nozzle Port  
Spreader: One 1/8" Female NPT Spreader Nozzle Port

#### Features

- Heavy duty brass construction
- Stainless steel springs and fulcrum pin
- Chemically resistant washers
- Dual nozzle ports
- Two-year warranty
- 30H unit does not have a spreader plug
- 30WH unit has spreader plug

#### Benefits

- Wide range of flow rates
- Corrosion and grit resistant
- Built to last

## U.S. STANDARD DATA

### PERFORMANCE DATA

30H / 30WH

#### BRASS STRAIGHT BORE NOZZLE (SBN-3) WITH PLUG\* (Stream Height: 9 ft.)

| PSI @ Nozzle | NOZZLE SIZE US STANDARD |      |       |      |        |      |       |      |
|--------------|-------------------------|------|-------|------|--------|------|-------|------|
|              | 9/64"                   |      | 5/32" |      | 11/64" |      | 3/16" |      |
|              | Rad.                    | GPM  | Rad.  | GPM  | Rad.   | GPM  | Rad.  | GPM  |
| 25           | 40                      | 2.90 | 41    | 3.50 | 41     | 4.30 | 42    | 5.10 |
| 30           | 40                      | 3.10 | 42    | 3.90 | 44     | 4.70 | 45    | 5.60 |
| 35           | 41                      | 3.40 | 43    | 4.20 | 45     | 5.10 | 47    | 6.00 |
| 40           | 41                      | 3.60 | 44    | 4.50 | 46     | 5.40 | 48    | 6.40 |
| 45           | 42                      | 3.80 | 44    | 4.70 | 46     | 5.70 | 49    | 6.80 |
| 50           | 42                      | 4.10 | 45    | 5.00 | 47     | 6.10 | 50    | 7.20 |
| 55           | 43                      | 4.20 | 45    | 5.20 | 48     | 6.30 | 50    | 7.60 |
| 60           | 43                      | 4.40 | 46    | 5.50 | 48     | 6.60 | 51    | 7.90 |
| 65           | 44                      | 4.60 | 46    | 5.80 | 49     | 6.90 | 51    | 8.20 |
| 70           | 44                      | 4.80 | 47    | 5.90 | 49     | 7.20 | 52    | 8.50 |
| 75           | 45                      | 5.00 | 47    | 6.10 | 50     | 7.40 | 52    | 8.80 |
| 80           | 45                      | 5.10 | 48    | 6.30 | 50     | 7.70 | 53    | 9.10 |

#### BRASS STRAIGHT BORE NOZZLE (SBN-3) WITH SPREADER (LAN-1\*) (Stream Height: 9 ft.)

| PSI @ Nozzle | NOZZLE SIZE US STANDARD |      |                |      |                 |       |                |       |                |       |
|--------------|-------------------------|------|----------------|------|-----------------|-------|----------------|-------|----------------|-------|
|              | 9/64" x3/32-7"          |      | 5/32" x3/32-7" |      | 11/64" x3/32-7" |       | 3/16" x3/32-7" |       | 3/16" x1/8-20" |       |
|              | Rad.                    | GPM  | Rad.           | GPM  | Rad.            | GPM   | Rad.           | GPM   | Rad.           | GPM   |
| 25           | 40                      | 4.20 | 41             | 4.80 | 41              | 5.60  | 42             | 6.40  | 42             | 7.40  |
| 30           | 40                      | 4.60 | 42             | 5.30 | 44              | 6.10  | 45             | 7.00  | 45             | 8.10  |
| 35           | 41                      | 4.90 | 43             | 5.70 | 45              | 6.60  | 47             | 7.50  | 47             | 8.70  |
| 40           | 41                      | 5.20 | 44             | 6.10 | 46              | 7.00  | 48             | 8.10  | 48             | 9.30  |
| 45           | 42                      | 5.60 | 44             | 6.50 | 46              | 7.40  | 49             | 8.50  | 49             | 9.90  |
| 50           | 42                      | 5.90 | 45             | 6.80 | 47              | 7.90  | 50             | 9.00  | 50             | 10.40 |
| 55           | 43                      | 6.10 | 45             | 7.10 | 48              | 8.20  | 50             | 9.40  | 50             | 10.90 |
| 60           | 43                      | 6.40 | 46             | 7.40 | 48              | 8.60  | 51             | 9.90  | 51             | 11.40 |
| 65           | 44                      | 6.70 | 46             | 7.80 | 49              | 8.90  | 51             | 10.20 | 51             | 11.80 |
| 70           | 44                      | 6.90 | 47             | 8.10 | 49              | 9.30  | 52             | 10.70 | 52             | 12.30 |
| 75           | 45                      | 7.20 | 47             | 8.30 | 50              | 9.60  | 52             | 11.00 | 52             | 12.70 |
| 80           | 45                      | 7.50 | 48             | 8.70 | 50              | 10.00 | 53             | 11.50 | 53             | 13.10 |

#### BRASS STRAIGHT BORE NOZZLE with VANE (SBN-3V) WITH PLUG\* (Stream Height: 10 ft.)

| PSI @ Nozzle | NOZZLE SIZE US STANDARD |      |       |      |        |      |       |      |
|--------------|-------------------------|------|-------|------|--------|------|-------|------|
|              | 9/64"                   |      | 5/32" |      | 11/64" |      | 3/16" |      |
|              | Rad.                    | GPM  | Rad.  | GPM  | Rad.   | GPM  | Rad.  | GPM  |
| 25           | 42                      | 2.90 | 44    | 3.50 | 45     | 4.30 | 48    | 5.10 |
| 30           | 43                      | 3.10 | 45    | 3.90 | 46     | 4.70 | 47    | 5.60 |
| 35           | 44                      | 3.40 | 46    | 4.20 | 47     | 5.10 | 49    | 6.00 |
| 40           | 45                      | 3.60 | 47    | 4.50 | 48     | 5.40 | 50    | 6.40 |
| 45           | 46                      | 3.80 | 48    | 4.70 | 49     | 5.70 | 52    | 6.80 |
| 50           | 46                      | 4.10 | 49    | 5.00 | 50     | 6.10 | 53    | 7.20 |
| 55           | 47                      | 4.20 | 50    | 5.20 | 51     | 6.30 | 53    | 7.60 |
| 60           | 47                      | 4.40 | 50    | 5.50 | 51     | 6.60 | 54    | 7.90 |
| 65           | 48                      | 4.60 | 51    | 5.80 | 52     | 6.90 | 55    | 8.20 |
| 70           | 48                      | 4.80 | 51    | 5.90 | 53     | 7.20 | 55    | 8.50 |
| 75           | 49                      | 5.00 | 52    | 6.10 | 54     | 7.40 | 56    | 8.80 |
| 80           | 50                      | 5.10 | 52    | 6.30 | 55     | 7.70 | 56    | 9.10 |

#### BRASS STRAIGHT BORE NOZZLE with VANE (SBN-3V) WITH SPREADER (LAN-1\*) (Stream Height: 10 ft.)

| PSI @ Nozzle | NOZZLE SIZE US STANDARD |      |                |      |                 |       |                |       |                |       |
|--------------|-------------------------|------|----------------|------|-----------------|-------|----------------|-------|----------------|-------|
|              | 9/64" x3/32-7"          |      | 5/32" x3/32-7" |      | 11/64" x3/32-7" |       | 3/16" x3/32-7" |       | 3/16" x1/8-20" |       |
|              | Rad.                    | GPM  | Rad.           | GPM  | Rad.            | GPM   | Rad.           | GPM   | Rad.           | GPM   |
| 25           | 42                      | 4.20 | 44             | 4.80 | 45              | 5.60  | 45             | 6.40  | 46             | 7.40  |
| 30           | 43                      | 4.60 | 45             | 5.30 | 46              | 6.10  | 47             | 7.00  | 47             | 8.10  |
| 35           | 44                      | 4.90 | 46             | 5.70 | 47              | 6.60  | 49             | 7.50  | 49             | 8.70  |
| 40           | 45                      | 5.20 | 47             | 6.10 | 48              | 7.00  | 50             | 8.10  | 50             | 9.30  |
| 45           | 46                      | 5.60 | 48             | 6.50 | 49              | 7.40  | 52             | 8.50  | 52             | 9.90  |
| 50           | 46                      | 5.90 | 49             | 6.80 | 50              | 7.90  | 53             | 9.00  | 53             | 10.40 |
| 55           | 47                      | 6.10 | 50             | 7.10 | 51              | 8.20  | 54             | 9.40  | 54             | 10.90 |
| 60           | 47                      | 6.40 | 50             | 7.40 | 51              | 8.60  | 54             | 9.90  | 54             | 11.40 |
| 65           | 48                      | 6.70 | 51             | 7.80 | 52              | 8.90  | 55             | 10.20 | 55             | 11.80 |
| 70           | 48                      | 6.90 | 51             | 8.10 | 53              | 9.30  | 55             | 10.70 | 55             | 12.30 |
| 75           | 49                      | 7.20 | 52             | 8.30 | 54              | 9.60  | 56             | 11.00 | 56             | 12.70 |
| 80           | 50                      | 7.50 | 52             | 8.70 | 55              | 10.00 | 56             | 11.50 | 56             | 13.10 |

\* Nozzles must be purchased separately.  
See Chart below.

## Part Numbers and Ordering Information

| Sprinkler Only                         |             |               |
|--|-------------|---------------|
| U.S. Standard                          |             |               |
| Sprinkler Without Nozzle, Without Plug | <b>30H</b>  | <b>A08401</b> |
| Sprinkler without Nozzle, With Plug    | <b>30WH</b> | <b>A08411</b> |

| Nozzle Only                          | U.S. Standard   | XX = Nozzle Size | XX = Nozzle Size  |           |           |           |           |           |           |  |
|--------------------------------------|-----------------|------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|--|
|                                      |                 |                  | 3/32"   | 7/64"     | 1/8"      | 9/64"     | 5/32"     | 11/64"    | 3/16"     |  |
| Brass Straight Bore Nozzle           | <b>SBN-3</b>    | <b>105842-XX</b> | –   | –         | –         | <b>09</b> | <b>10</b> | <b>11</b> | <b>12</b> |  |
| Brass Straight Bore Nozzle with Vane | <b>SBN-3V</b>   | <b>106131-XX</b> | –   | –         | –         | <b>09</b> | <b>10</b> | <b>11</b> | <b>12</b> |  |
| Brass 7° Low Angle Spreader          | <b>LAN-1-7</b>  | <b>100225-XX</b> | <b>06</b>   | <b>07</b> | <b>08</b> | <b>09</b> | <b>10</b> | –         | –         |  |
| Brass 20° Low Angle Spreader         | <b>LAN-1-20</b> | <b>100226-XX</b> | <b>06</b>   | <b>07</b> | <b>08</b> | <b>09</b> | <b>10</b> | –         | –         |  |
| <b>Brass Plug</b>                    |                 | <b>100255</b>    | Bold nozzle size numbers denote the most common nozzle choices. |           |           |           |           |           |           |  |