

## 30FH / 30FWH

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

- Heavy duty brass construction
- Stainless steel springs and fulcrum pin
- Chemically resistant, PTFE washers

### Features

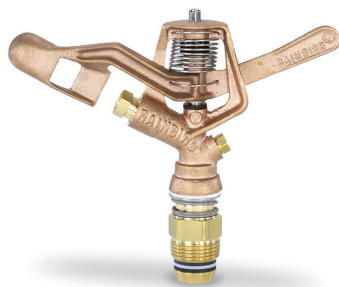
- Dual nozzle ports

### Benefits

- PTFE washers allow for faster rotation times with a smaller nozzle at lower pressures
- Wide range of flow rates
- Corrosion and grit resistant
- Built to last
- Five-year Customer Satisfaction Policy

### Specifications

- Bearing: 3/4" (19mm) Male NPT, Brass
- Trajectory Angle: 27°
- Operating Range: 25-80 psi (1.7-5.5 bar)
- Flow Rate: 2.26-6.47 gpm (0.51-1.47 m<sup>3</sup>/h)
- Radius: 39-43 ft. (11.90-13.27 meters)
- Nozzle Port: 1/4" Female NPT
- Spreader Nozzle Port: 1/8" Female NPT



| Straight Bore Nozzle (SBN-3) Performance* |                                    |            |  |
|---|------------------------------------|------------|--|
| psi@ Nozzle                               | NOZZLE SIZE (Stream Height: 9 ft.) |            |  |
|   | 1/8"                               |            |  |
|   | Rad. (ft.)                         | Flow (gpm) |  |
| 25  | 39                                 | 2.26       |  |
| 30  | 39                                 | 2.48       |  |
| 35  | 40                                 | 2.68       |  |
| 40  | 40                                 | 2.86       |  |
| 45  | 41                                 | 3.03       |  |
| 50  | 41                                 | 3.20       |  |
| 55  | 42                                 | 3.35       |  |
| 60  | 44                                 | 3.50       |  |
| 65  | 43                                 | 3.65       |  |
| 70  | 43                                 | 3.78       |  |
| 75  | 43                                 | 3.91       |  |
| 80  | 43                                 | 4.04       |  |

| Straight Bore Nozzle (SBN-3) with Spreader (LAN-1-20) Performance* |                                    |            |  |
|--|------------------------------------|------------|--|
| psi@ Nozzle  | NOZZLE SIZE (Stream Height: 9 ft.) |            |  |
|  | 1/8" x 3/32-20°                    |            |  |
|  | Rad. (ft.)                         | Flow (gpm) |  |
| 25   | 39                                 | 3.52       |  |
| 30   | 39                                 | 3.87       |  |
| 35   | 40                                 | 4.19       |  |
| 40   | 40                                 | 4.49       |  |
| 45   | 41                                 | 4.77       |  |
| 50   | 41                                 | 5.02       |  |
| 55   | 42                                 | 5.27       |  |
| 60   | 42                                 | 5.51       |  |
| 65   | 43                                 | 5.75       |  |
| 70   | 43                                 | 5.99       |  |
| 75   | 43                                 | 6.23       |  |
| 80   | 43                                 | 6.47       |  |

| Straight Bore Nozzle (SBN-3) with Spreader (LAN-1-20) * |                                   |            |                          |
|---|-----------------------------------|------------|--------------------------|
| psi@ Nozzle   | NOZZLE SIZE (Stream Height: 2.7m) |            |                          |
|   | 3.18 mm (1/8")                    |            |                          |
|   | Rad. (m)                          | Flow (l/s) | Flow (m <sup>3</sup> /h) |
| 1.7   | 11.9                              | 0.14       | 0.51                     |
| 2.0   | 12.0                              | 0.15       | 0.55                     |
| 2.5   | 12.2                              | 0.17       | 0.62                     |
| 3.0   | 12.5                              | 0.19       | 0.68                     |
| 3.5   | 12.7                              | 0.20       | 0.73                     |
| 4.0   | 12.9                              | 0.22       | 0.78                     |
| 4.5   | 13.1                              | 0.23       | 0.83                     |
| 5.0   | 13.2                              | 0.24       | 0.87                     |
| 5.5   | 13.3                              | 0.25       | 0.92                     |

| Straight Bore Nozzle (SBN-3) with Spreader (LAN-1-20) * METRIC |                                      |            |                          |
|--|--------------------------------------|------------|--------------------------|
| psi@ Nozzle  | NOZZLE SIZE (Stream Height: 2.7m)    |            |                          |
|  | 3.18 mm x 2.38 mm (1/8" x 3/32") 20° |            |                          |
|  | Rad. (m)                             | Flow (l/s) | Flow (m <sup>3</sup> /h) |
| 1.7  | 11.9                                 | 0.22       | 0.80                     |
| 2.0  | 12.0                                 | 0.24       | 0.86                     |
| 2.5  | 12.2                                 | 0.27       | 0.97                     |
| 3.0  | 12.5                                 | 0.30       | 1.06                     |
| 3.5  | 12.7                                 | 0.32       | 1.15                     |
| 4.0  | 12.9                                 | 0.34       | 1.23                     |
| 4.5  | 13.1                                 | 0.36       | 1.31                     |
| 5.0  | 13.2                                 | 0.39       | 1.39                     |
| 5.5  | 13.3                                 | 0.41       | 1.47                     |

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

### Part Numbers and Ordering Information

| Sprinkler Only                     |              |                |
|------------------------------------|--------------|----------------|
| Sprinkler without Nozzle           | <b>30FH</b>  | <b>A08401F</b> |
| Sprinkler without Nozzle with Plug | <b>30FWH</b> | <b>A08901F</b> |

| Nozzle Only                      |          |                  | XX = Nozzle Size |           |
|----------------------------------|----------|------------------|------------------|-----------|
|                                  |          |                  | U.S. Standard    |           |
|                                  |          |                  | 3/32"            | 1/8"      |
|                                  |          |                  | Metric           |           |
|                                  |          |                  | 2.38 mm          | 3.18 mm   |
| Brass Straight Bore Nozzle 1/8"  | SBN-3    | <b>105842-XX</b> | —                | <b>08</b> |
| Brass 20° Low Angle Nozzle 3/32° | LAN-1-20 | <b>100226-XX</b> | <b>06</b>        | —         |
| <b>Brass Plug</b>                |          | <b>100255</b>    |                  |           |

Bold nozzle size number denotes the most common nozzle choice.