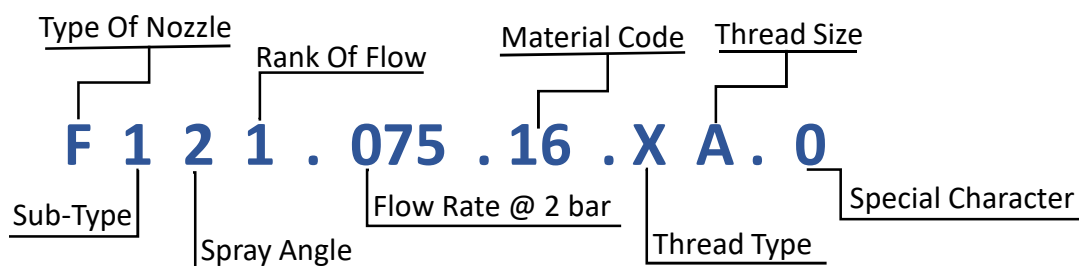


## Product Coding System



| Code | Type of Spray Nozzle     |
|------|--------------------------|
| F    | Flat Spray Nozzle        |
| E    | Full Cone Spray Nozzle   |
| H    | Hollow Cone Spray Nozzle |
| T    | Tank Cleaning Nozzle     |
| S    | Straight Jet Nozzle      |
| A    | Air Atomising Nozzle     |
| G    | Fittings / Accessories   |

| Code | Spray Angle      |
|------|------------------|
| 1    | 15               |
| 2    | 30               |
| 3    | 45               |
| 4    | 60               |
| 5    | 75               |
| 6    | 90               |
| 7    | 105              |
| 8    | 120              |
| A    | 180              |
| B    | 270              |
| C    | 360              |
| S    | Customised Angle |

| Code | Material           |
|------|--------------------|
| MS   | Mild Steel         |
| 04   | SS 304 / 304L      |
| 16   | SS 316 / 316L      |
| 31   | SS 310             |
| 41   | SS 410             |
| CI   | Cast Iron          |
| BR   | Brass              |
| AL   | Aluminum           |
| HA   | Hastelloy C / B    |
| TI   | Titanium           |
| MO   | Monel              |
| SC   | Silicone Carbide   |
| PT   | Teflon / PTFE      |
| PP   | PP - Polypropylene |
| NY   | Nylon              |
| DE   | Delrin             |
| PV   | PVC                |
| DF   | PVDF               |
| PE   | Polyethylene       |

| Code | Thread Type |
|------|-------------|
| X    | BSPP        |
| Y    | BSPT        |
| Z    | NPT         |
| F    | Flanged     |

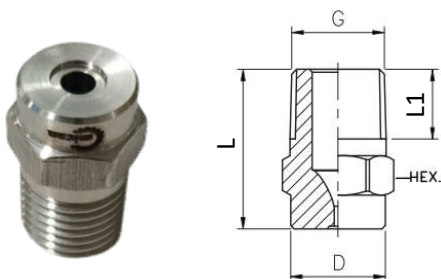
| Code | Thread Size |
|------|-------------|
| A    | 1/8"        |
| B    | 1/4"        |
| C    | 3/8"        |
| D    | 1/2"        |
| E    | 3/4"        |
| F    | 1"          |
| G    | 1 1/4"      |
| H    | 1 1/2"      |
| J    | 2"          |
| K    | 2 1/2"      |
| L    | 3"          |
| M    | 3 1/2"      |
| N    | 4"          |
| P    | 5"          |
| Q    | 6"          |
| R    | 7"          |
| T    | 8"          |
| U    | 9"          |
| V    | 10"         |

# Straight Jet Spray Nozzle (Solid Stream Nozzle)

**S1 Series**

- Optimized flow technology
- Concentrated solid stream
- High Impact spray

- Flow rate : 1 lpm to 160 lpm @ 2BAR
- Spray angle : Solid Stream



| Thread    | L  | L1   | D    | HEX |
|-----------|----|------|------|-----|
| 1/8" BSPT | 18 | 6.5  | 10.2 | 11  |
| 1/4" BSPT | 22 | 10   | 13   | 14  |
| 3/8" BSPT | 25 | 10   | 16   | 17  |
| 1/2" BSPT | 32 | 13.2 | 21   | 22  |
| 3/4" BSPT | 42 | 15   | 32   | 27  |
| 1" BSPT   | 56 | 17   | 39   | 36  |

Application : High-Pressure cleaning, cutting & separation, Recycling of liquids.

| SPRAY<br>ANGLE | END CONNECTION |           |           |           |           |         | Orifice | LPM           |        |        |        |        |        |        |
|----------------|----------------|-----------|-----------|-----------|-----------|---------|---------|---------------|--------|--------|--------|--------|--------|--------|
|                | 1/8" BSPT      | 1/4" BSPT | 3/8" BSPT | 1/2" BSPT | 3/4" BSPT | 1" BSPT |         | PRESSURE(bar) |        |        |        |        |        |        |
|                |                |           |           |           |           |         |         | 0.5           | 1      | 2      | 3      | 5      | 7      | 10     |
| 0°             |                |           |           |           |           |         |         |               |        |        |        |        |        |        |
| S101.100       | YA             |           |           |           |           |         | 1.10    | 0.50          | 0.72   | 1.00   | 1.23   | 1.58   | 1.87   | 2.24   |
| S101.150       | YA             |           |           |           |           |         | 1.30    | 0.75          | 1.08   | 1.50   | 1.84   | 2.37   | 2.81   | 3.35   |
| S101.174       | YA             |           |           |           |           |         | 1.40    | 0.87          | 1.25   | 1.74   | 2.13   | 2.75   | 3.25   | 3.89   |
| S101.200       | YA             |           |           |           |           |         | 1.50    | 1.00          | 1.44   | 2.00   | 2.45   | 3.16   | 3.74   | 4.47   |
| S101.250       | YA             | YB        |           |           |           |         | 1.70    | 1.25          | 1.80   | 2.50   | 3.06   | 3.95   | 4.68   | 5.59   |
| S101.350       | YA             | YB        |           |           |           |         | 2.00    | 1.75          | 2.52   | 3.50   | 4.29   | 5.53   | 6.55   | 7.82   |
| S101.400       |                | YB        |           |           |           |         | 2.10    | 2.00          | 2.88   | 4.00   | 4.90   | 6.32   | 7.48   | 8.94   |
| S101.474       |                | YB        |           |           |           |         | 2.30    | 2.37          | 3.41   | 4.74   | 5.81   | 7.49   | 8.86   | 10.59  |
| S101.650       |                | YB        | YC        |           |           |         | 2.70    | 3.25          | 4.67   | 6.50   | 7.96   | 10.27  | 12.16  | 14.53  |
| S101.800       |                | YB        | YC        |           |           |         | 3.00    | 4.00          | 5.75   | 8.00   | 9.80   | 12.64  | 14.96  | 17.88  |
| S102.100       |                | YB        | YC        |           |           |         | 3.40    | 5.00          | 7.19   | 10.00  | 12.25  | 15.80  | 18.70  | 22.35  |
| S102.125       |                | YB        | YC        |           |           |         | 3.70    | 6.25          | 8.98   | 12.50  | 15.31  | 19.75  | 23.38  | 27.94  |
| S102.160       |                | YB        | YC        |           |           |         | 4.20    | 8.00          | 11.50  | 16.00  | 19.60  | 25.28  | 29.92  | 35.76  |
| S102.200       |                | YB        | YC        |           |           |         | 4.70    | 10.00         | 14.38  | 20.00  | 24.50  | 31.60  | 37.40  | 44.70  |
| S102.225       |                | YB        | YC        |           |           |         | 5.00    | 11.25         | 16.17  | 22.50  | 27.56  | 35.55  | 42.08  | 50.29  |
| S102.250       |                |           | YC        | YD        |           |         | 5.30    | 12.50         | 17.97  | 25.00  | 30.63  | 39.50  | 46.75  | 55.88  |
| S102.320       |                |           | YC        | YD        | YE        |         | 6.00    | 16.00         | 23.00  | 32.00  | 39.20  | 50.56  | 59.84  | 71.52  |
| S102.400       |                |           | YC        | YD        | YE        |         | 6.70    | 20.00         | 28.75  | 40.00  | 49.00  | 63.20  | 74.80  | 89.40  |
| S102.520       |                |           |           | YD        | YE        | YF      | 7.60    | 26.00         | 37.38  | 52.00  | 63.70  | 82.16  | 97.24  | 116.22 |
| S102.650       |                |           |           | YD        | YE        | YF      | 8.50    | 32.50         | 46.72  | 65.00  | 79.63  | 102.70 | 121.55 | 145.28 |
| S102.720       |                |           |           |           | YE        | YF      | 9.00    | 36.00         | 51.75  | 72.00  | 88.20  | 113.76 | 134.64 | 160.92 |
| S102.800       |                |           |           |           | YE        | YF      | 9.50    | 40.00         | 57.50  | 80.00  | 98.00  | 126.40 | 149.60 | 178.80 |
| S103.100       |                |           |           |           | YE        | YF      | 10.60   | 50.00         | 71.88  | 100.00 | 122.50 | 158.00 | 187.00 | 223.50 |
| S103.118       |                |           |           |           | YE        | YF      | 11.50   | 59.00         | 84.81  | 118.00 | 144.55 | 186.44 | 220.66 | 263.73 |
| S103.130       |                |           |           |           |           | YF      | 12.10   | 65.00         | 93.44  | 130.00 | 159.25 | 205.40 | 243.10 | 290.55 |
| S103.160       |                |           |           |           |           | YF      | 13.40   | 80.00         | 115.00 | 160.00 | 196.00 | 252.80 | 299.20 | 357.60 |