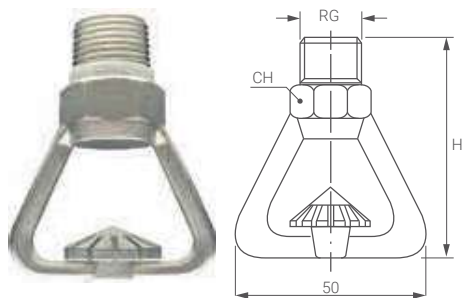


# RO (HOLLOW CONE NOZZLES / DEFLECTED SPRAY)

## DEFLECTED SPRAY

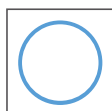
RO hollow cone deflected spray nozzles are specially designed for fire-fighting engineering. They produce an excellent water atomization and their deflected jet assures a wide spray coverage. The spray pattern is formed by the liquid flowing from the nozzle orifice over the surface of the below deflector with a special slotted design. All RO nozzles are certified by the EU fire regulations.



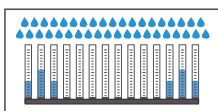
THREAD SPECIFICATION: BSPT, NPT

### TYPICAL APPLICATIONS

*Fire-fighting:* fire extinguishing, cooling  
*Other applications:* tank cleaning, exhaust scrubbers



Spray section



Concave distribution



| 130°           | CODE           | RG<br>inch | D<br>mm | Capacity<br>at different pressure values<br>(l/min)<br>(bar) |      |      |      |      |      | CH<br>mm | H<br>mm |
|----------------|----------------|------------|---------|--|------|------|------|------|------|----------|---------|
|                |                |            |         | 1.0  | 3.0  | 5.0  | 6.0  | 7.0  | 10.0 |          |         |
| 130°           | ROY D005 xx yy | 1/2"       | 3.0     | 4.80   | 8.10 | 10.3 | 11.3 | 12.2 | 14.5 | 25       | 65      |
|                | ROY D006 xx yy |            | 3.5     | 6.70   | 11.5 | 14.9 | 16.4 | 17.6 | 20.5 |          |         |
|                | ROY D009 xx yy |            | 4.0     | 9.00   | 15.6 | 20.0 | 22.0 | 24.0 | 29.0 |          |         |
|                | ROY D011 xx yy |            | 4.5     | 11.5   | 19.8 | 25.0 | 28.0 | 30.0 | 36.0 |          |         |
|                | ROY D016 xx yy |            | 5.0     | 15.8   | 27.0 | 35.0 | 39.0 | 42.0 | 50.0 |          |         |
|                | ROY D018 xx yy |            | 5.5     | 18.0   | 30.0 | 40.0 | 44.0 | 48.0 | 57.0 |          |         |
|                | ROY D023 xx yy |            | 6.0     | 23.0   | 39.0 | 50.0 | 55.0 | 60.0 | 71.0 |          |         |
|                | ROY D027 xx yy |            | 6.5     | 27.0   | 47.0 | 61.0 | 66.0 | 72.0 | 86.0 |          |         |
|                | ROY D032 xx yy |            | 7.0     | 31.0   | 55.0 | 72.0 | 77.0 | 84.0 | 91.0 |          |         |
|                | ROY D041 xx yy |            | 8.0     | 41.0   | 70.0 | 92.0 | 103  | 112  | 130  |          |         |
|                | ROY D052 xx yy |            | 9.0     | 52.0   | 91.0 | 117  | 129  | 140  | 165  |          |         |
|                | ROY D064 xx yy |            | 10.0    | 64.0   | 110  | 139  | 152  | 165  | 200  |          |         |
|                | ROY D095 xx yy |            | 12.0    | 95.0   | 164  | 214  | 236  | 255  | 290  |          |         |
| ROY D103 xx yy |                | 13.0       | 103     | 178  | 230  | 252  | 272  | 325  |      |          |         |
| 130°           | ROY E005 xx yy | 3/4"       | 3.0     | 4.80   | 8.10 | 10.3 | 11.3 | 12.2 | 14.5 | 27       | 65      |
|                | ROY E006 xx yy |            | 3.5     | 6.70   | 11.5 | 14.9 | 16.4 | 17.6 | 20.5 |          |         |
|                | ROY E009 xx yy |            | 4.0     | 9.00   | 15.6 | 20.0 | 22.0 | 24.0 | 29.0 |          |         |
|                | ROY E011 xx yy |            | 4.5     | 11.5   | 19.8 | 25.0 | 28.0 | 30.0 | 36.0 |          |         |
|                | ROY E016 xx yy |            | 5.0     | 15.8   | 27.0 | 35.0 | 39.0 | 42.0 | 50.0 |          |         |
|                | ROY E018 xx yy |            | 5.5     | 18.0   | 30.0 | 40.0 | 44.0 | 48.0 | 57.0 |          |         |
|                | ROY E023 xx yy |            | 6.0     | 23.0   | 39.0 | 50.0 | 55.0 | 60.0 | 71.0 |          |         |
|                | ROY E027 xx yy |            | 6.5     | 27.0   | 47.0 | 61.0 | 66.0 | 72.0 | 86.0 |          |         |
|                | ROY E032 xx yy |            | 7.0     | 31.0   | 55.0 | 72.0 | 77.0 | 84.0 | 91.0 |          |         |
|                | ROY E041 xx yy |            | 8.0     | 41.0   | 70.0 | 92.0 | 103  | 112  | 130  |          |         |
|                | ROY E052 xx yy |            | 9.0     | 52.0   | 91.0 | 117  | 129  | 140  | 165  |          |         |
|                | ROY E064 xx yy |            | 10.0    | 64.0   | 110  | 139  | 152  | 165  | 200  |          |         |
|                | ROY E095 xx yy |            | 12.0    | 95.0   | 164  | 214  | 236  | 255  | 290  |          |         |
| ROY E103 xx yy |                | 13.0       | 103     | 178  | 230  | 252  | 272  | 325  |      |          |         |

### COMPLETE NOZZLE CODE

| CODE | Thread | Filter |      |
|------|--------|--------|------|
|      |        | Copper | None |
| FB   | BSPT   | •      |      |
| FN   | NPT    | •      |      |
| SB   | BSPT   |        | •    |
| SN   | NPT    |        | •    |

### HOW TO MAKE UP THE NOZZLE CODE

Ex.: ROY D018 B31FB

