



FEATURES

- Uniform full-cone spray
- Interference fitted swirl-disc

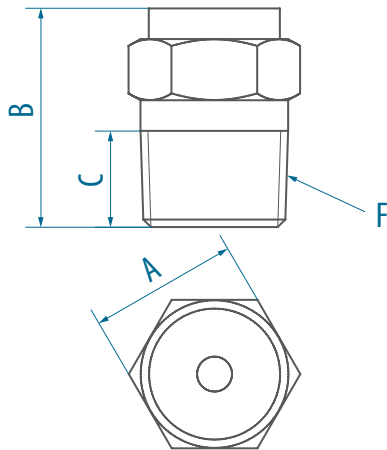


APPLICATIONS

- Static cooling and cleaning
- Surface and gas treatments

OC Series

Axial-flow full cone nozzles



| Dim. | Thread Code | | | | | |
|------|-------------|------|------|------|------|-----|
| | Y31 | Y32 | Y33 | Y34 | Y35 | Y36 |
| F | 1/8" | 1/4" | 3/8" | 1/2" | 3/4" | 1" |
| A | 10 | 14 | 17 | 22 | 27 | 36 |
| B | 17 | 22 | 25 | 30 | 35 | 45 |
| C | 7,5 | 10 | 11 | 14 | 15 | 17 |

OPERATIVE DATA

| ANGLE | Material | | | | Thread | | | | | | FLOW CODE | Operating curve | | | | | | | |
|-------|----------|----------|-------|-----|-----------|-----------|-----------|-----------|-----------|------------|------------|--|------|-------------|-------------|------|------|------|------|
| | 02 | 04 | 06 | 08 | Y31 | Y32 | Y33 | Y34 | Y35 | Y36 | | Flow-rate discharged [l/min] at pressure [bar(g)] | | | | | | | |
| | AISI 316 | AISI 303 | Brass | PVC | 1/8" BSPT | 1/4" BSPT | 3/8" BSPT | 1/2" BSPT | 3/4" BSPT | 1" BSPT | | 0,5 | 1 | 1,5 | 2 | 3 | 5 | 7 | 10 |
| 45° | x | x | x | - | x | - | - | - | - | - | 337 | 0,43 | 0,59 | 0,70 | 0,80 | 0,96 | 1,21 | 1,41 | 1,65 |
| | x | x | x | - | x | - | - | - | - | - | 348 | 0,54 | 0,73 | 0,88 | 1,00 | 1,20 | 1,51 | 1,76 | 2,06 |
| | x | x | x | - | x | - | - | - | - | - | 359 | 0,67 | 0,92 | 1,10 | 1,25 | 1,50 | 1,89 | 2,20 | 2,58 |
| | x | x | x | Y32 | x | x | - | - | - | - | 372 | 0,86 | 1,17 | 1,41 | 1,60 | 1,92 | 2,42 | 2,81 | 3,30 |
| | x | x | x | Y32 | x | x | - | - | - | - | 383 | 1,07 | 1,46 | 1,76 | 2,00 | 2,40 | 3,02 | 3,51 | 4,13 |
| | x | x | x | x | - | x | - | - | - | - | 394 | 1,34 | 1,83 | 2,20 | 2,50 | 3,00 | 3,78 | 4,39 | 5,16 |
| | x | x | x | x | - | x | - | - | - | - | 406 | 1,71 | 2,34 | 2,81 | 3,20 | 3,84 | 4,83 | 5,62 | 6,60 |
| | x | x | x | x | - | x | - | - | - | - | 418 | 2,14 | 2,93 | 3,51 | 4,00 | 4,80 | 6,04 | 7,03 | 8,25 |
| | x | x | x | x | - | - | x | - | - | - | 429 | 2,68 | 3,66 | 4,39 | 5,00 | 6,00 | 7,55 | 8,79 | 10,3 |
| | x | x | x | x | - | - | x | - | - | - | 441 | 3,38 | 4,61 | 5,54 | 6,30 | 7,56 | 9,52 | 11,1 | 13,0 |
| | x | x | x | x | - | - | x | - | - | - | 453 | 4,29 | 5,86 | 7,03 | 8,00 | 9,60 | 12,1 | 14,1 | 16,5 |
| | x | x | x | x | - | - | - | x | - | - | 464 | 5,36 | 7,32 | 8,79 | 10,0 | 12,0 | 15,1 | 17,6 | 20,6 |
| | x | x | x | x | - | - | - | x | - | - | 475 | 6,70 | 9,15 | 11,0 | 12,5 | 15,0 | 18,9 | 22,0 | 25,8 |
| | x | x | x | x | - | - | - | x | - | - | 488 | 8,57 | 11,7 | 14,1 | 16,0 | 19,2 | 24,2 | 28,1 | 33,0 |
| | x | - | x | x | - | - | - | x | - | - | 499 | 10,7 | 14,6 | 17,6 | 20,0 | 24,0 | 30,2 | 35,1 | 41,3 |
| | x | - | x | x | - | - | - | - | x | - | 510 | 13,4 | 18,3 | 22,0 | 25,0 | 30,0 | 37,8 | 43,9 | 52 |
| x | - | x | x | - | - | - | - | x | - | 522 | 17,1 | 23,4 | 28,1 | 32,0 | 38,4 | 48,3 | 56,2 | 66,0 | |
| x | - | x | x | - | - | - | - | x | - | 534 | 21,4 | 29,3 | 35,1 | 40,0 | 48,0 | 60,4 | 70,3 | 82,5 | |
| x | - | x | x | - | - | - | - | - | x | 545 | 26,8 | 36,6 | 43,9 | 50,0 | 60,0 | 75,5 | 87,9 | 103 | |
| x | - | x | x | - | - | - | - | - | x | 557 | 33,8 | 46,1 | 55,4 | 63,0 | 75,6 | 95,2 | 111 | 130 | |

| ANGLE | Material | | | | Thread | | | | | | FLOW CODE | Operating curve | | | | | | | |
|-------|----------|----------|-------|-----|-----------|-----------|-----------|-----------|-----------|------------|------------|--|------|-------------|-------------|------|------|------|------|
| | 02 | 04 | 06 | 08 | Y31 | Y32 | Y33 | Y34 | Y35 | Y36 | | Flow-rate discharged [l/min] at pressure [bar(g)] | | | | | | | |
| | AISI 316 | AISI 303 | Brass | PVC | 1/8" BSPT | 1/4" BSPT | 3/8" BSPT | 1/2" BSPT | 3/4" BSPT | 1" BSPT | | 0,5 | 1 | 1,5 | 2 | 3 | 5 | 7 | 10 |
| 60° | x | x | x | - | x | - | - | - | - | - | 337 | 0,43 | 0,59 | 0,70 | 0,80 | 0,96 | 1,21 | 1,41 | 1,65 |
| | x | x | x | - | x | - | - | - | - | - | 348 | 0,54 | 0,73 | 0,88 | 1,00 | 1,20 | 1,51 | 1,76 | 2,06 |
| | x | x | x | - | x | - | - | - | - | - | 359 | 0,67 | 0,92 | 1,10 | 1,25 | 1,50 | 1,89 | 2,20 | 2,58 |
| | x | x | x | - | x | - | - | - | - | - | 372 | 0,86 | 1,17 | 1,41 | 1,60 | 1,92 | 2,42 | 2,81 | 3,30 |
| | x | x | x | Y32 | x | x | - | - | - | - | 383 | 1,07 | 1,46 | 1,76 | 2,00 | 2,40 | 3,02 | 3,51 | 4,13 |
| | x | x | x | Y32 | x | x | - | - | - | - | 394 | 1,34 | 1,83 | 2,20 | 2,50 | 3,00 | 3,78 | 4,39 | 5,16 |
| | x | x | x | x | - | x | - | - | - | - | 406 | 1,71 | 2,34 | 2,81 | 3,20 | 3,84 | 4,83 | 5,62 | 6,60 |
| | x | x | x | x | - | x | - | - | - | - | 418 | 2,14 | 2,93 | 3,51 | 4,00 | 4,80 | 6,0 | 7,03 | 8,25 |
| | x | x | x | x | - | x | - | - | - | - | 429 | 2,68 | 3,66 | 4,39 | 5,00 | 6,00 | 7,55 | 8,79 | 10,3 |
| | x | x | x | x | - | x | x | - | - | - | 441 | 3,38 | 4,61 | 5,54 | 6,30 | 7,56 | 9,52 | 11,1 | 13,0 |
| | x | x | x | x | - | x | x | - | - | - | 453 | 4,29 | 5,86 | 7,03 | 8,00 | 9,60 | 12,1 | 14,1 | 16,5 |
| | x | x | x | x | - | - | x | - | - | - | 464 | 5,36 | 7,32 | 8,79 | 10,0 | 12,0 | 15,1 | 17,6 | 20,6 |
| | x | x | x | x | - | - | x | x | - | - | 475 | 6,70 | 9,15 | 11,0 | 12,5 | 15,0 | 18,9 | 22,0 | 25,8 |
| | x | x | x | x | - | - | - | x | - | - | 488 | 8,57 | 11,7 | 14,1 | 16,0 | 19,2 | 24,2 | 28,1 | 33,0 |
| | x | x | x | x | - | - | - | x | - | - | 499 | 10,7 | 14,6 | 17,6 | 20,0 | 24,0 | 30,2 | 35,1 | 41,3 |
| | x | Y34 | x | x | - | - | - | x | x | - | 510 | 13,4 | 18,3 | 22,0 | 25,0 | 30,0 | 37,8 | 43,9 | 51,6 |
| | x | - | x | x | - | - | - | - | x | - | 522 | 17,1 | 23,4 | 28,1 | 32,0 | 38,4 | 48,3 | 56,2 | 66,0 |
| | x | - | x | x | - | - | - | - | x | - | 534 | 21,4 | 29,3 | 35,1 | 40,0 | 48,0 | 60,4 | 70,3 | 82,5 |
| x | - | x | x | - | - | - | - | - | x | 545 | 26,8 | 36,6 | 43,9 | 50,0 | 60,0 | 75,5 | 87,9 | 103 | |
| x | - | x | x | - | - | - | - | - | x | 557 | 33,8 | 46,1 | 55,4 | 63,0 | 75,6 | 95,2 | 111 | 130 | |
| x | - | x | x | - | - | - | - | - | x | 569 | 42,9 | 58,6 | 70,0 | 80,0 | 96,0 | 121 | 141 | 165 | |
| 90° | x | x | x | - | x | - | - | - | - | - | 359 | 0,67 | 0,92 | 1,10 | 1,25 | 1,50 | 1,89 | 2,20 | 2,58 |
| | x | x | x | - | x | - | - | - | - | - | 372 | 0,86 | 1,17 | 1,41 | 1,60 | 1,92 | 2,42 | 2,81 | 3,30 |
| | x | x | x | Y32 | x | x | - | - | - | - | 383 | 1,07 | 1,46 | 1,76 | 2,00 | 2,40 | 3,02 | 3,51 | 4,13 |
| | x | x | x | Y32 | x | x | - | - | - | - | 394 | 1,34 | 1,83 | 2,20 | 2,50 | 3,00 | 3,78 | 4,39 | 5,16 |
| | x | x | x | Y32 | x | x | - | - | - | - | 406 | 1,71 | 2,34 | 2,81 | 3,20 | 3,84 | 4,83 | 5,62 | 6,60 |
| | x | x | x | x | - | x | - | - | - | - | 418 | 2,14 | 2,93 | 3,51 | 4,00 | 4,80 | 6,04 | 7,03 | 8,25 |
| | x | x | x | x | - | x | - | - | - | - | 429 | 2,68 | 3,66 | 4,39 | 5,00 | 6,00 | 7,55 | 8,79 | 10,3 |
| | x | x | x | x | - | x | - | - | - | - | 441 | 3,38 | 4,61 | 5,54 | 6,30 | 7,56 | 9,52 | 11,1 | 13,0 |
| | x | x | x | x | - | x | x | - | - | - | 453 | 4,29 | 5,86 | 7,03 | 8,00 | 9,60 | 12,1 | 14,1 | 16,5 |
| | x | x | x | x | - | - | x | - | - | - | 464 | 5,36 | 7,32 | 8,79 | 10,0 | 12,0 | 15,1 | 17,6 | 20,6 |
| | x | x | x | x | - | - | x | - | - | - | 475 | 6,70 | 9,15 | 11,0 | 12,5 | 15,0 | 18,9 | 22,0 | 25,8 |
| | x | x | x | x | - | - | x | x | - | - | 488 | 8,57 | 11,7 | 14,1 | 16,0 | 19,2 | 24,2 | 28,1 | 33,0 |
| | x | x | x | x | - | - | - | x | - | - | 499 | 10,7 | 14,6 | 17,6 | 20,0 | 24,0 | 30,2 | 35,1 | 41,3 |
| | x | x | x | x | - | - | - | x | - | - | 510 | 13,4 | 18,3 | 22,0 | 25,0 | 30,0 | 37,8 | 43,9 | 51,6 |
| | x | Y34 | x | x | - | - | - | x | x | - | 522 | 17,1 | 23,4 | 28,1 | 32,0 | 38,4 | 48,3 | 56,2 | 66,0 |
| | x | - | x | x | - | - | - | - | x | - | 534 | 21,4 | 29,3 | 35,1 | 40,0 | 48,0 | 60,4 | 70,3 | 82,5 |
| | x | - | x | x | - | - | - | - | x | - | 545 | 26,8 | 36,6 | 43,9 | 50,0 | 60,0 | 75,5 | 87,9 | 103 |
| | x | - | x | x | - | - | - | - | - | x | 557 | 33,8 | 46,1 | 55,4 | 63,0 | 75,6 | 95,2 | 111 | 130 |
| x | - | x | x | - | - | - | - | - | x | 569 | 42,9 | 58,6 | 70,0 | 80,0 | 96,0 | 121 | 141 | 165 | |
| x | - | x | x | - | - | - | - | - | x | 580 | 53,6 | 73,2 | 87,9 | 100 | 120 | 151 | 176 | 206 | |

| ANGLE | Material | | | | Thread | | | | | | FLOW CODE | Operating curve | | | | | | | |
|-------|----------|----------|-------|-----|-----------|-----------|-----------|-----------|-----------|------------|------------|--|------|------------|-------------|------|------|------|------|
| | 02 | 04 | 06 | 08 | Y31 | Y32 | Y33 | Y34 | Y35 | Y36 | | Flow-rate discharged [l/min] at pressure [bar(g)] | | | | | | | |
| | AISI 316 | AISI 303 | Brass | PVC | 1/8" BSPT | 1/4" BSPT | 3/8" BSPT | 1/2" BSPT | 3/4" BSPT | 1" BSPT | | 0,5 | 1 | 1,5 | 2 | 3 | 5 | 7 | 10 |
| 120° | x | x | x | - | x | - | - | - | - | - | 372 | 0,86 | 1,17 | 1,41 | 1,60 | 1,92 | 2,42 | 2,81 | 3,30 |
| | x | x | x | Y32 | x | x | - | - | - | - | 383 | 1,07 | 1,46 | 1,76 | 2,00 | 2,40 | 3,02 | 3,51 | 4,13 |
| | x | x | x | Y32 | x | x | - | - | - | - | 394 | 1,34 | 1,83 | 2,20 | 2,50 | 3,00 | 3,78 | 4,39 | 5,16 |
| | x | x | x | Y32 | x | x | - | - | - | - | 406 | 1,71 | 2,34 | 2,81 | 3,20 | 3,84 | 4,83 | 5,62 | 6,60 |
| | x | x | x | x | - | x | - | - | - | - | 418 | 2,14 | 2,93 | 3,51 | 4,00 | 4,80 | 6,04 | 7,03 | 8,25 |
| | x | x | x | x | - | x | - | - | - | - | 429 | 2,68 | 3,66 | 4,39 | 5,00 | 6,00 | 7,55 | 8,79 | 10,3 |
| | x | x | x | x | - | x | - | - | - | - | 441 | 3,38 | 4,61 | 5,54 | 6,30 | 7,56 | 9,52 | 11,1 | 13,0 |
| | x | x | x | x | - | x | x | - | - | - | 453 | 4,29 | 5,86 | 7,03 | 8,00 | 9,60 | 12,1 | 14,1 | 16,5 |
| | x | x | x | x | - | - | x | - | - | - | 464 | 5,36 | 7,32 | 8,79 | 10,0 | 12,0 | 15,1 | 17,6 | 20,6 |
| | x | x | x | x | - | - | x | - | - | - | 475 | 6,70 | 9,15 | 11,0 | 12,5 | 15,0 | 18,9 | 22,0 | 25,8 |
| | x | x | x | x | - | - | x | x | - | - | 488 | 8,57 | 11,7 | 14,1 | 16,0 | 19,2 | 24,2 | 28,1 | 33,0 |
| | x | x | x | x | - | - | - | x | - | - | 499 | 10,7 | 14,6 | 17,6 | 20,0 | 24,0 | 30,2 | 35,1 | 41,3 |
| | x | x | x | x | - | - | - | x | - | - | 510 | 13,4 | 18,3 | 22,0 | 25,0 | 30,0 | 37,8 | 43,9 | 51,6 |
| | x | Y34 | x | x | - | - | - | x | x | - | 522 | 17,1 | 23,4 | 28,1 | 32,0 | 38,4 | 48,3 | 56,2 | 66,0 |
| | x | - | x | x | - | - | - | - | x | - | 534 | 21,4 | 29,3 | 35,1 | 40,0 | 48,0 | 60,4 | 70,3 | 82,5 |
| | x | - | x | x | - | - | - | - | x | - | 545 | 26,8 | 36,6 | 43,9 | 50,0 | 60,0 | 75,5 | 87,9 | 103 |
| | x | - | x | x | - | - | - | - | - | x | 557 | 33,8 | 46,1 | 55,4 | 63,0 | 75,6 | 95,2 | 111 | 130 |
| | x | - | x | x | - | - | - | - | - | x | 569 | 42,9 | 58,6 | 70,0 | 80,0 | 96,0 | 121 | 141 | 165 |
| x | - | x | x | - | - | - | - | - | x | 580 | 53,6 | 73,2 | 87,9 | 100 | 120 | 151 | 176 | 206 | |