

## OV Series

Vee-jet nozzles



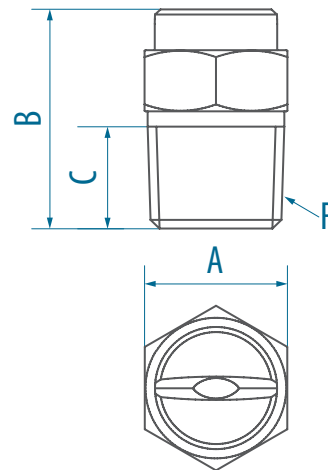
### FEATURES

- High impact force
- Wide range of configurations



### APPLICATIONS

- Washing lines
- Surface treatment



| 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    | 16          | 21,5 | 25   | 30   | 35   | 40  |
| C    | 7,5         | 10   | 12   | 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   |
| 25°   | -        | x        | x     | -   | x         | -         | -         | -         | -         | -       | <b>337</b> | 0,40  | 0,57 | 0,69 | <b>0,80</b> | 0,98 | 1,26 | 1,50 | 1,79 |
|       | x        | x        | x     | -   | x         | -         | -         | -         | -         | -       | <b>359</b> | 0,63  | 0,88 | 1,08 | <b>1,25</b> | 1,53 | 1,98 | 2,34 | 2,80 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -       | <b>383</b> | 1,00  | 1,41 | 1,73 | <b>2,00</b> | 2,45 | 3,16 | 3,74 | 4,47 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -       | <b>394</b> | 1,25  | 1,77 | 2,17 | <b>2,50</b> | 3,06 | 3,95 | 4,68 | 5,6  |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -       | <b>406</b> | 1,60  | 2,26 | 2,77 | <b>3,20</b> | 3,92 | 5,06 | 5,99 | 7,16 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -       | <b>418</b> | 2,00  | 2,83 | 3,46 | <b>4,00</b> | 4,90 | 6,32 | 7,48 | 8,94 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -       | <b>429</b> | 2,50  | 3,54 | 4,33 | <b>5,00</b> | 6,12 | 7,91 | 9,35 | 11,2 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -       | <b>453</b> | 4,00  | 5,66 | 6,93 | <b>8,00</b> | 9,80 | 12,6 | 15,0 | 17,9 |
|       | x        | x        | x     | x   | -         | x         | -         | -         | -         | -       | <b>475</b> | 6,25  | 8,84 | 10,8 | <b>12,5</b> | 15,3 | 19,8 | 23,4 | 28,0 |
|       | x        | x        | x     | x   | -         | x         | x         | -         | -         | -       | <b>499</b> | 10,0  | 14,1 | 17,3 | <b>20,0</b> | 24,5 | 31,6 | 37,4 | 44,7 |
|       | x        | x        | x     | x   | -         | -         | x         | -         | -         | -       | <b>522</b> | 16,0  | 22,6 | 27,7 | <b>32,0</b> | 39,2 | 50,6 | 59,9 | 71,6 |
|       | x        | x        | x     | x   | -         | -         | -         | x         | -         | -       | <b>545</b> | 25,0  | 35,4 | 43,3 | <b>50,0</b> | 61,2 | 79,1 | 93,5 | 0    |
|       | x        | x        | x     | x   | -         | -         | -         | -         | x         | -       | <b>569</b> | 40,0  | 56,6 | 69,3 | <b>80,0</b> | 98,0 | 126  | 150  | 179  |
|       | x        | -        | x     | -   | -         | -         | -         | -         | -         | x       | <b>591</b> | 62,5  | 88,4 | 108  | <b>125</b>  | 153  | 198  | 234  | 280  |
|       | x        | -        | x     | -   | -         | -         | -         | -         | -         | x       | <b>615</b> | 100   | 141  | 173  | <b>200</b>  | 245  | 316  | 374  | 447  |

| ANGLE | Material |          |       |     | Thread    |           |           |           |           |            | FLOW CODE  | Operating curve                                      |      |             |             |      |       |      |      |
|-------|----------|----------|-------|-----|-----------|-----------|-----------|-----------|-----------|------------|------------|--|------|-------------|-------------|------|-------|------|------|
|       | 02       | 04       | 06    | 08  | Y31       | Y32       | Y33       | Y34       | Y35       | Y36        |            | Flow-rate discharged [l/min]<br>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         | -         | -         | -         | -         | -          | <b>337</b> | 0,40   | 0,57 | 0,69        | <b>0,80</b> | 0,98 | 1,26  | 1,50 | 1,79 |
|       | x        | x        | x     | -   | x         | -         | -         | -         | -         | -          | <b>359</b> | 0,63   | 0,88 | 1,08        | <b>1,25</b> | 1,53 | 1,98  | 2,34 | 2,80 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>383</b> | 1,00   | 1,41 | 1,73        | <b>2,00</b> | 2,45 | 3,16  | 3,74 | 4,47 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>406</b> | 1,60   | 2,26 | 2,77        | <b>3,20</b> | 3,92 | 5,06  | 5,99 | 7,16 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>418</b> | 2,00   | 2,83 | 3,46        | <b>4,00</b> | 4,90 | 6,32  | 7,48 | 8,94 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>429</b> | 2,50   | 3,54 | 4,33        | <b>5,00</b> | 6,12 | 7,91  | 9,35 | 11,2 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>441</b> | 3,15   | 4,45 | 5,46        | <b>6,30</b> | 7,72 | 9,96  | 11,8 | 14,1 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>453</b> | 4,00   | 5,66 | 6,93        | <b>8,00</b> | 9,80 | 12,6  | 15,0 | 17,9 |
|       | x        | x        | x     | x   | -         | x         | -         | -         | -         | -          | <b>464</b> | 5,00   | 7,07 | 8,66        | <b>10,0</b> | 12,2 | 15,8  | 18,7 | 22,4 |
|       | x        | x        | x     | x   | -         | x         | -         | -         | -         | -          | <b>475</b> | 6,25   | 8,84 | 10,8        | <b>12,5</b> | 15,3 | 19,8  | 23,4 | 28,0 |
|       | x        | x        | x     | x   | -         | x         | -         | -         | -         | -          | <b>488</b> | 8,00   | 11,3 | 13,9        | <b>16,0</b> | 19,6 | 25,3  | 29,9 | 35,8 |
|       | x        | x        | x     | x   | -         | x         | -         | -         | -         | -          | <b>499</b> | 10,0   | 14,1 | 17,3        | <b>20,0</b> | 24,5 | 31,6  | 37,4 | 44,7 |
|       | x        | x        | x     | x   | -         | x         | x         | -         | -         | -          | <b>510</b> | 12,5   | 17,7 | 21,7        | <b>25,0</b> | 30,6 | 39,5  | 46,8 | 55,9 |
|       | x        | x        | x     | x   | -         | -         | x         | -         | -         | -          | <b>522</b> | 16,0   | 22,6 | 27,7        | <b>32,0</b> | 39,2 | 50,6  | 59,9 | 71,6 |
|       | x        | x        | x     | x   | -         | -         | x         | -         | -         | -          | <b>534</b> | 20,0   | 28,3 | 34,6        | <b>40,0</b> | 49,0 | 63,2  | 74,8 | 89,4 |
|       | x        | x        | x     | x   | -         | -         | -         | x         | -         | -          | <b>545</b> | 25,0   | 35,4 | 43,3        | <b>50,0</b> | 61,2 | 79,1  | 93,5 | 112  |
|       | x        | x        | x     | x   | -         | -         | -         | x         | -         | -          | <b>557</b> | 31,5   | 44,5 | 54,6        | <b>63,0</b> | 77,2 | 99,6  | 118  | 141  |
|       | x        | x        | x     | x   | -         | -         | -         | x         | -         | -          | <b>569</b> | 40,0   | 56,6 | 69,3        | <b>80,0</b> | 98,0 | 126,5 | 150  | 179  |
|       | x        | -        | x     | -   | -         | -         | -         | -         | x         | -          | <b>580</b> | 50,0   | 70,7 | 86,6        | <b>100</b>  | 122  | 158   | 187  | 224  |
|       | x        | -        | x     | -   | -         | -         | -         | -         | x         | -          | <b>591</b> | 62,5   | 88,4 | 108         | <b>125</b>  | 153  | 198   | 234  | 280  |
| x     | -        | x        | -     | -   | -         | -         | -         | -         | x         | <b>604</b> | 80         | 113  | 139  | <b>160</b>  | 196         | 253  | 299   | 358  |      |
| x     | -        | x        | -     | -   | -         | -         | -         | -         | x         | <b>615</b> | 100        | 141  | 173  | <b>200</b>  | 245         | 316  | 374   | 447  |      |
| 60°   | -        | x        | x     | -   | x         | -         | -         | -         | -         | -          | <b>313</b> | 0,25   | 0,35 | 0,43        | <b>0,50</b> | 0,61 | 0,79  | 0,94 | 1,12 |
|       | -        | x        | x     | -   | x         | -         | -         | -         | -         | -          | <b>337</b> | 0,40   | 0,57 | 0,69        | <b>0,80</b> | 0,98 | 1,26  | 1,50 | 1,79 |
|       | x        | x        | x     | -   | x         | -         | -         | -         | -         | -          | <b>348</b> | 0,50   | 0,71 | 0,87        | <b>1,00</b> | 1,22 | 1,58  | 1,87 | 2,24 |
|       | x        | x        | x     | -   | x         | -         | -         | -         | -         | -          | <b>359</b> | 0,63   | 0,88 | 1,08        | <b>1,25</b> | 1,53 | 1,98  | 2,34 | 2,80 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>372</b> | 0,80   | 1,13 | 1,39        | <b>1,60</b> | 1,96 | 2,53  | 2,99 | 3,58 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>383</b> | 1,00   | 1,41 | 1,73        | <b>2,00</b> | 2,45 | 3,16  | 3,74 | 4,47 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>394</b> | 1,25   | 1,77 | 2,17        | <b>2,50</b> | 3,06 | 3,95  | 4,68 | 5,6  |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>406</b> | 1,60   | 2,26 | 2,77        | <b>3,20</b> | 3,92 | 5,1   | 6,0  | 7,2  |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>418</b> | 2,00   | 2,83 | 3,46        | <b>4,00</b> | 4,90 | 6,32  | 7,48 | 8,94 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>429</b> | 2,50   | 3,54 | 4,33        | <b>5,00</b> | 6,12 | 7,91  | 9,35 | 11,2 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>441</b> | 3,15   | 4,45 | 5,46        | <b>6,30</b> | 7,72 | 10,0  | 11,8 | 14,1 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>453</b> | 4,00   | 5,66 | 6,93        | <b>8,00</b> | 9,80 | 12,6  | 15,0 | 17,9 |
|       | x        | x        | x     | x   | -         | x         | -         | -         | -         | -          | <b>464</b> | 5,00   | 7,07 | 8,66        | <b>10,0</b> | 12,2 | 15,8  | 18,7 | 22,4 |
|       | x        | x        | x     | x   | -         | x         | -         | -         | -         | -          | <b>475</b> | 6,25   | 8,84 | 10,8        | <b>12,5</b> | 15,3 | 19,8  | 23,4 | 28   |
|       | x        | x        | x     | x   | -         | x         | -         | -         | -         | -          | <b>488</b> | 8,00   | 11,3 | 13,9        | <b>16,0</b> | 19,6 | 25,3  | 29,9 | 35,8 |
|       | x        | x        | x     | x   | -         | x         | -         | -         | -         | -          | <b>499</b> | 10,0   | 14,1 | 17,3        | <b>20,0</b> | 24,5 | 31,6  | 37,4 | 44,7 |
|       | x        | x        | x     | x   | -         | x         | x         | -         | -         | -          | <b>510</b> | 12,5   | 17,7 | 21,7        | <b>25,0</b> | 30,6 | 39,5  | 46,8 | 55,9 |
|       | x        | x        | x     | x   | -         | -         | x         | -         | -         | -          | <b>522</b> | 16,0   | 22,6 | 27,7        | <b>32,0</b> | 39,2 | 50,6  | 59,9 | 71,6 |
|       | x        | x        | x     | x   | -         | -         | x         | -         | -         | -          | <b>534</b> | 20,0   | 28,3 | 34,6        | <b>40,0</b> | 49,0 | 63,2  | 74,8 | 89,4 |
|       | x        | x        | x     | x   | -         | -         | -         | x         | -         | -          | <b>545</b> | 25,0   | 35,4 | 43,3        | <b>50,0</b> | 61,2 | 79,1  | 93,5 | 112  |
| x     | x        | x        | x     | -   | -         | -         | x         | -         | -         | <b>557</b> | 31,5       | 44,5   | 54,6 | <b>63,0</b> | 77,2        | 100  | 118   | 141  |      |
| x     | x        | x        | x     | -   | -         | -         | x         | -         | -         | <b>569</b> | 40,0       | 56,6   | 69,3 | <b>80,0</b> | 98,0        | 126  | 150   | 179  |      |
| x     | -        | x        | -     | -   | -         | -         | -         | x         | -         | <b>580</b> | 50,0       | 70,7   | 86,6 | <b>100</b>  | 122         | 158  | 187   | 224  |      |
| x     | -        | x        | -     | -   | -         | -         | -         | x         | -         | <b>591</b> | 62,5       | 88,4   | 108  | <b>125</b>  | 153         | 198  | 234   | 280  |      |
| x     | -        | x        | -     | -   | -         | -         | -         | -         | x         | <b>604</b> | 80,0       | 113  | 139  | <b>160</b>  | 196         | 253  | 299   | 358  |      |
| x     | -        | x        | -     | -   | -         | -         | -         | -         | x         | <b>615</b> | 100        | 141  | 173  | <b>200</b>  | 245         | 316  | 374   | 447  |      |

| ANGLE | Material |          |       |     | Thread    |           |           |           |           |            | FLOW CODE  | Operating curve                                      |      |            |             |      |      |      |      |
|-------|----------|----------|-------|-----|-----------|-----------|-----------|-----------|-----------|------------|------------|--|------|------------|-------------|------|------|------|------|
|       | 02       | 04       | 06    | 08  | Y31       | Y32       | Y33       | Y34       | Y35       | Y36        |            | Flow-rate discharged [l/min]<br>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   |
| 75°   | -        | x        | x     | -   | x         | -         | -         | -         | -         | -          | <b>337</b> | 0,40   | 0,57 | 0,69       | <b>0,80</b> | 0,98 | 1,26 | 1,50 | 1,79 |
|       | x        | x        | x     | -   | x         | -         | -         | -         | -         | -          | <b>359</b> | 0,63   | 0,88 | 1,08       | <b>1,25</b> | 1,53 | 1,98 | 2,34 | 2,80 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>383</b> | 1,00   | 1,41 | 1,73       | <b>2,00</b> | 2,45 | 3,16 | 3,74 | 4,47 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>406</b> | 1,60   | 2,26 | 2,77       | <b>3,20</b> | 3,92 | 5,06 | 5,99 | 7,16 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>418</b> | 2,00   | 2,83 | 3,46       | <b>4,00</b> | 4,90 | 6,32 | 7,48 | 8,94 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>429</b> | 2,50   | 3,54 | 4,33       | <b>5,00</b> | 6,12 | 7,91 | 9,35 | 11,2 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>453</b> | 4,00   | 5,66 | 6,93       | <b>8,00</b> | 9,80 | 12,6 | 15,0 | 17,9 |
|       | x        | x        | x     | x   | -         | x         | -         | -         | -         | -          | <b>475</b> | 6,25   | 8,84 | 10,8       | <b>12,5</b> | 15,3 | 19,8 | 23,4 | 28,0 |
|       | x        | x        | x     | x   | -         | x         | -         | -         | -         | -          | <b>488</b> | 8,00   | 11,3 | 13,9       | <b>16,0</b> | 19,6 | 25,3 | 29,9 | 35,8 |
|       | x        | x        | x     | x   | -         | x         | x         | -         | -         | -          | <b>499</b> | 10,0   | 14,1 | 17,3       | <b>20,0</b> | 24,5 | 31,6 | 37,4 | 44,7 |
|       | x        | x        | x     | x   | -         | -         | x         | -         | -         | -          | <b>522</b> | 16,0   | 22,6 | 27,7       | <b>32,0</b> | 39,2 | 50,6 | 59,9 | 71,6 |
|       | x        | x        | x     | x   | -         | -         | -         | x         | -         | -          | <b>545</b> | 25,0   | 35,4 | 43,3       | <b>50,0</b> | 61,2 | 79,1 | 93,5 | 112  |
|       | x        | x        | x     | x   | -         | -         | -         | x         | -         | -          | <b>569</b> | 40,0   | 56,6 | 69,3       | <b>80,0</b> | 98,0 | 126  | 150  | 179  |
|       | x        | -        | x     | -   | -         | -         | -         | -         | x         | -          | <b>591</b> | 62,5   | 88,4 | 108        | <b>125</b>  | 153  | 198  | 234  | 280  |
| x     | -        | x        | -     | -   | -         | -         | -         | -         | x         | <b>615</b> | 100        | 141  | 173  | <b>200</b> | 245         | 316  | 374  | 447  |      |
| 90°   | -        | x        | x     | -   | x         | -         | -         | -         | -         | -          | <b>313</b> | 0,25   | 0,35 | 0,43       | <b>0,50</b> | 0,61 | 0,79 | 0,94 | 1,12 |
|       | -        | x        | x     | -   | x         | -         | -         | -         | -         | -          | <b>337</b> | 0,40   | 0,57 | 0,69       | <b>0,80</b> | 0,98 | 1,26 | 1,50 | 1,79 |
|       | x        | x        | x     | -   | x         | -         | -         | -         | -         | -          | <b>348</b> | 0,50   | 0,71 | 0,87       | <b>1,00</b> | 1,22 | 1,58 | 1,87 | 2,24 |
|       | x        | x        | x     | -   | x         | -         | -         | -         | -         | -          | <b>359</b> | 0,63   | 0,88 | 1,08       | <b>1,25</b> | 1,53 | 1,98 | 2,34 | 2,80 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>372</b> | 0,80   | 1,13 | 1,39       | <b>1,60</b> | 1,96 | 2,53 | 2,99 | 3,58 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>383</b> | 1,00   | 1,41 | 1,73       | <b>2,00</b> | 2,45 | 3,16 | 3,74 | 4,47 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>394</b> | 1,25   | 1,77 | 2,17       | <b>2,50</b> | 3,06 | 3,95 | 4,68 | 5,59 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>406</b> | 1,60   | 2,26 | 2,77       | <b>3,20</b> | 3,92 | 5,06 | 5,99 | 7,16 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>418</b> | 2,00   | 2,83 | 3,46       | <b>4,00</b> | 4,90 | 6,32 | 7,48 | 8,94 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>429</b> | 2,50   | 3,54 | 4,33       | <b>5,00</b> | 6,12 | 7,91 | 9,35 | 11,2 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>441</b> | 3,15   | 4,45 | 5,46       | <b>6,30</b> | 7,72 | 10,0 | 11,8 | 14,1 |
|       | x        | x        | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>453</b> | 4,00   | 5,66 | 6,93       | <b>8,00</b> | 9,80 | 12,6 | 15,0 | 17,9 |
|       | x        | x        | x     | x   | -         | x         | -         | -         | -         | -          | <b>464</b> | 5,00   | 7,07 | 8,66       | <b>10,0</b> | 12,2 | 15,8 | 18,7 | 22,4 |
|       | x        | x        | x     | x   | -         | x         | -         | -         | -         | -          | <b>475</b> | 6,3  | 8,8  | 10,8       | <b>12,5</b> | 15,3 | 19,8 | 23,4 | 28,0 |
|       | x        | x        | x     | x   | -         | x         | -         | -         | -         | -          | <b>488</b> | 8,00   | 11,3 | 13,9       | <b>16,0</b> | 19,6 | 25,3 | 29,9 | 35,8 |
|       | x        | x        | x     | x   | -         | x         | -         | -         | -         | -          | <b>499</b> | 10,0   | 14,1 | 17,3       | <b>20,0</b> | 24,5 | 31,6 | 37,4 | 44,7 |
|       | x        | x        | x     | x   | -         | x         | x         | -         | -         | -          | <b>510</b> | 12,5   | 17,7 | 21,7       | <b>25,0</b> | 30,6 | 39,5 | 46,8 | 55,9 |
|       | x        | x        | x     | x   | -         | -         | x         | -         | -         | -          | <b>522</b> | 16,0   | 22,6 | 27,7       | <b>32,0</b> | 39,2 | 50,6 | 59,9 | 71,6 |
|       | x        | x        | x     | x   | -         | -         | x         | -         | -         | -          | <b>534</b> | 20,0   | 28,3 | 34,6       | <b>40,0</b> | 49,0 | 63,2 | 74,8 | 89,4 |
|       | x        | x        | x     | x   | -         | -         | -         | x         | -         | -          | <b>545</b> | 25,0   | 35,4 | 43,3       | <b>50,0</b> | 61,2 | 79,1 | 93,5 | 112  |
|       | x        | x        | x     | x   | -         | -         | -         | x         | -         | -          | <b>557</b> | 31,5   | 44,5 | 54,6       | <b>63,0</b> | 77,2 | 100  | 118  | 141  |
|       | x        | x        | x     | x   | -         | -         | -         | x         | -         | -          | <b>569</b> | 40,0   | 56,6 | 69,3       | <b>80,0</b> | 98,0 | 126  | 150  | 179  |
|       | x        | -        | x     | -   | -         | -         | -         | -         | x         | -          | <b>580</b> | 50,0   | 70,7 | 86,6       | <b>100</b>  | 122  | 158  | 187  | 224  |
|       | x        | -        | x     | -   | -         | -         | -         | -         | x         | -          | <b>591</b> | 62,5   | 88,4 | 108        | <b>125</b>  | 153  | 198  | 234  | 280  |
| x     | -        | x        | -     | -   | -         | -         | -         | -         | x         | <b>604</b> | 80,0       | 113  | 139  | <b>160</b> | 196         | 253  | 299  | 358  |      |
| x     | -        | x        | -     | -   | -         | -         | -         | -         | x         | <b>615</b> | 100        | 141  | 173  | <b>200</b> | 245         | 316  | 374  | 447  |      |

| ANGLE | Material |         |       |     | Thread    |           |           |           |           |            | FLOW CODE  | Operating curve                                      |      |            |             |      |      |      |      |
|-------|----------|---------|-------|-----|-----------|-----------|-----------|-----------|-----------|------------|------------|--|------|------------|-------------|------|------|------|------|
|       | 02       | 04      | 06    | 08  | Y31       | Y32       | Y33       | Y34       | Y35       | Y36        |            | Flow-rate discharged [l/min]<br>at pressure [bar(g)] |      |            |             |      |      |      |      |
|       | AISI316  | AISI303 | 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         | -         | -         | -         | -         | -          | <b>313</b> | 0,25   | 0,35 | 0,43       | <b>0,50</b> | 0,61 | 0,79 | 0,94 | 1,12 |
|       | -        | x       | x     | -   | x         | -         | -         | -         | -         | -          | <b>337</b> | 0,40   | 0,57 | 0,69       | <b>0,80</b> | 0,98 | 1,26 | 1,50 | 1,79 |
|       | x        | x       | x     | -   | x         | -         | -         | -         | -         | -          | <b>348</b> | 0,50   | 0,71 | 0,87       | <b>1,00</b> | 1,22 | 1,58 | 1,87 | 2,24 |
|       | x        | x       | x     | -   | x         | -         | -         | -         | -         | -          | <b>359</b> | 0,63   | 0,88 | 1,08       | <b>1,25</b> | 1,53 | 1,98 | 2,34 | 2,80 |
|       | x        | x       | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>372</b> | 0,80   | 1,13 | 1,39       | <b>1,60</b> | 1,96 | 2,53 | 2,99 | 3,58 |
|       | x        | x       | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>383</b> | 1,00   | 1,41 | 1,73       | <b>2,00</b> | 2,45 | 3,16 | 3,74 | 4,47 |
|       | x        | x       | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>394</b> | 1,25   | 1,77 | 2,17       | <b>2,50</b> | 3,06 | 3,95 | 4,68 | 5,59 |
|       | x        | x       | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>406</b> | 1,60   | 2,26 | 2,77       | <b>3,20</b> | 3,92 | 5,06 | 5,99 | 7,16 |
|       | x        | x       | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>418</b> | 2,00   | 2,83 | 3,46       | <b>4,00</b> | 4,90 | 6,32 | 7,48 | 8,94 |
|       | x        | x       | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>429</b> | 2,50   | 3,54 | 4,33       | <b>5,00</b> | 6,12 | 7,91 | 9,35 | 11,2 |
|       | x        | x       | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>441</b> | 3,15   | 4,45 | 5,46       | <b>6,30</b> | 7,72 | 10,0 | 11,8 | 14,1 |
|       | x        | x       | x     | Y32 | x         | x         | -         | -         | -         | -          | <b>453</b> | 4,00   | 5,66 | 6,93       | <b>8,00</b> | 9,80 | 12,6 | 15,0 | 17,9 |
|       | x        | x       | x     | x   | -         | x         | -         | -         | -         | -          | <b>464</b> | 5,00   | 7,07 | 8,66       | <b>10,0</b> | 12,2 | 15,8 | 18,7 | 22,4 |
|       | x        | x       | x     | x   | -         | x         | -         | -         | -         | -          | <b>475</b> | 6,25   | 8,84 | 10,8       | <b>12,5</b> | 15,3 | 19,8 | 23,4 | 28,0 |
|       | x        | x       | x     | x   | -         | x         | -         | -         | -         | -          | <b>488</b> | 8,00   | 11,3 | 13,9       | <b>16,0</b> | 19,6 | 25,3 | 29,9 | 35,8 |
|       | x        | x       | x     | x   | -         | x         | -         | -         | -         | -          | <b>499</b> | 10,0   | 14,1 | 17,3       | <b>20,0</b> | 24,5 | 31,6 | 37,4 | 44,7 |
|       | x        | x       | x     | x   | -         | -         | x         | -         | -         | -          | <b>510</b> | 12,5   | 17,7 | 21,7       | <b>25,0</b> | 30,6 | 39,5 | 46,8 | 55,9 |
|       | x        | x       | x     | x   | -         | -         | x         | -         | -         | -          | <b>522</b> | 16,0   | 22,6 | 27,7       | <b>32,0</b> | 39,2 | 50,6 | 59,9 | 71,6 |
|       | x        | x       | x     | x   | -         | -         | x         | -         | -         | -          | <b>534</b> | 20,0   | 28,3 | 34,6       | <b>40,0</b> | 49,0 | 63,2 | 74,8 | 89,4 |
|       | x        | x       | x     | x   | -         | -         | -         | x         | -         | -          | <b>545</b> | 25,0   | 35,4 | 43,3       | <b>50,0</b> | 61,2 | 79,1 | 93,5 | 112  |
|       | x        | x       | x     | x   | -         | -         | -         | x         | -         | -          | <b>557</b> | 31,5   | 44,5 | 54,6       | <b>63,0</b> | 77,2 | 100  | 118  | 141  |
|       | x        | x       | x     | x   | -         | -         | -         | -         | x         | -          | <b>569</b> | 40,0   | 56,6 | 69,3       | <b>80,0</b> | 98,0 | 126  | 150  | 179  |
|       | x        | -       | x     | -   | -         | -         | -         | -         | x         | -          | <b>580</b> | 50,0   | 70,7 | 86,6       | <b>100</b>  | 122  | 158  | 187  | 224  |
|       | x        | -       | x     | -   | -         | -         | -         | -         | -         | x          | <b>591</b> | 62,5   | 88,4 | 108        | <b>125</b>  | 153  | 198  | 234  | 280  |
| x     | -        | x       | -     | -   | -         | -         | -         | -         | x         | <b>604</b> | 80,0       | 113  | 139  | <b>160</b> | 196         | 253  | 299  | 358  |      |
| x     | -        | x       | -     | -   | -         | -         | -         | -         | x         | <b>615</b> | 100        | 141  | 173  | <b>200</b> | 245         | 316  | 374  | 447  |      |