

Cargas de calentamiento/régimen para líneas de vapor con puntos de purga que no están alejados más de 50 m y un rendimiento del aislamiento de 80%.

Condensado formado en kg/h cada 50 m en la **etapa de calentamiento**:

| Presión de vapor bar r | Diámetros - mm | | | | | | | | | | | | | | Factor corrección -18°C |
|------------------------|----------------|----|----|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------------------------|
| | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 | |
| 1 | 5 | 9 | 11 | 16 | 22 | 28 | 44 | 60 | 79 | 94 | 123 | 155 | 182 | 254 | 1,39 |
| 2 | 6 | 10 | 13 | 19 | 25 | 33 | 49 | 69 | 92 | 108 | 142 | 179 | 210 | 296 | 1,35 |
| 3 | 7 | 11 | 14 | 20 | 25 | 36 | 54 | 79 | 101 | 120 | 156 | 197 | 232 | 324 | 1,32 |
| 4 | 8 | 12 | 16 | 22 | 30 | 39 | 59 | 83 | 110 | 131 | 170 | 215 | 254 | 353 | 1,29 |
| 5 | 8 | 13 | 17 | 24 | 33 | 42 | 63 | 70 | 119 | 142 | 185 | 233 | 275 | 382 | 1,28 |
| 6 | 9 | 13 | 18 | 25 | 34 | 43 | 66 | 93 | 124 | 147 | 198 | 242 | 285 | 396 | 1,27 |
| 7 | 9 | 14 | 18 | 26 | 35 | 45 | 68 | 97 | 128 | 151 | 197 | 250 | 294 | 410 | 1,26 |
| 8 | 9 | 14 | 19 | 27 | 37 | 47 | 71 | 101 | 134 | 158 | 207 | 261 | 307 | 428 | 1,25 |
| 9 | 10 | 15 | 20 | 28 | 38 | 50 | 74 | 105 | 139 | 164 | 216 | 272 | 320 | 436 | 1,24 |
| 10 | 10 | 16 | 20 | 29 | 40 | 51 | 77 | 109 | 144 | 171 | 224 | 282 | 332 | 463 | 1,24 |
| 12 | 10 | 17 | 22 | 31 | 42 | 54 | 84 | 115 | 152 | 180 | 236 | 298 | 350 | 488 | 1,23 |
| 14 | 11 | 17 | 23 | 32 | 44 | 57 | 85 | 120 | 160 | 189 | 247 | 311 | 366 | 510 | 1,22 |
| 16 | 12 | 19 | 24 | 35 | 47 | 61 | 91 | 128 | 172 | 203 | 265 | 334 | 393 | 548 | 1,21 |
| 18 | 17 | 23 | 31 | 45 | 62 | 84 | 127 | 187 | 355 | 305 | 393 | 492 | 596 | 708 | 1,21 |
| 20 | 17 | 26 | 35 | 51 | 71 | 97 | 148 | 220 | 302 | 362 | 465 | 582 | 712 | 806 | 1,20 |
| 25 | 19 | 29 | 39 | 56 | 78 | 108 | 164 | 243 | 333 | 400 | 533 | 642 | 786 | 978 | 1,19 |
| 30 | 21 | 32 | 41 | 62 | 86 | 117 | 179 | 265 | 364 | 437 | 571 | 702 | 859 | 1 150 | 1,18 |
| 40 | 22 | 34 | 46 | 67 | 93 | 127 | 194 | 287 | 395 | 473 | 608 | 762 | 834 | 1 322 | 1,16 |
| 50 | 24 | 37 | 50 | 73 | 101 | 139 | 212 | 214 | 432 | 518 | 665 | 834 | 1 020 | 1 450 | 1,15 |
| 60 | 27 | 41 | 54 | 79 | 135 | 181 | 305 | 445 | 626 | 752 | 960 | 1 218 | 1 480 | 2 140 | 1,15 |
| 70 | 29 | 44 | 59 | 86 | 156 | 208 | 346 | 510 | 717 | 861 | 1 100 | 1 396 | 1 694 | 2 455 | 1,15 |
| 80 | 32 | 49 | 65 | 95 | 172 | 232 | 386 | 568 | 800 | 960 | 1 220 | 1 550 | 1 890 | 2 730 | 1,14 |
| 90 | 34 | 51 | 69 | 100 | 181 | 245 | 409 | 598 | 842 | 1 011 | 1 288 | 1 635 | 1 990 | 2 880 | 1,14 |
| 100 | 35 | 54 | 72 | 106 | 190 | 257 | 427 | 628 | 884 | 1 062 | 1 355 | 1 720 | 2 690 | 3 030 | 1,14 |
| 120 | 42 | 64 | 86 | 126 | 227 | 305 | 508 | 748 | 1 052 | 1 265 | 1 610 | 2 050 | 2 490 | 3 600 | 1,13 |

Condensado formado en kg/h cada 50 m en **régimen**:

| | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 | |
|-----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 1 | 5 | 5 | 7 | 9 | 10 | 13 | 16 | 19 | 23 | 25 | 28 | 31 | 35 | 41 | 1,54 |
| 2 | 5 | 6 | 8 | 10 | 12 | 14 | 18 | 22 | 26 | 28 | 32 | 35 | 39 | 46 | 1,50 |
| 3 | 6 | 7 | 9 | 11 | 14 | 16 | 20 | 25 | 30 | 32 | 37 | 40 | 45 | 54 | 1,48 |
| 4 | 7 | 9 | 10 | 12 | 16 | 18 | 23 | 28 | 33 | 37 | 42 | 46 | 51 | 61 | 1,45 |
| 5 | 7 | 9 | 11 | 13 | 17 | 20 | 24 | 30 | 36 | 40 | 46 | 49 | 55 | 66 | 1,43 |
| 6 | 8 | 10 | 11 | 14 | 18 | 21 | 26 | 33 | 39 | 43 | 49 | 53 | 59 | 71 | 1,42 |
| 7 | 8 | 10 | 12 | 15 | 19 | 23 | 28 | 35 | 42 | 46 | 52 | 56 | 63 | 76 | 1,41 |
| 8 | 9 | 11 | 14 | 16 | 20 | 24 | 30 | 37 | 44 | 49 | 57 | 61 | 68 | 82 | 1,40 |
| 9 | 9 | 11 | 14 | 17 | 21 | 25 | 32 | 39 | 47 | 52 | 60 | 64 | 72 | 88 | 1,39 |
| 10 | 10 | 12 | 15 | 17 | 21 | 25 | 33 | 41 | 49 | 54 | 62 | 67 | 75 | 90 | 1,38 |
| 12 | 11 | 13 | 16 | 18 | 23 | 26 | 36 | 45 | 53 | 59 | 67 | 73 | 81 | 97 | 1,38 |
| 14 | 12 | 14 | 17 | 20 | 26 | 30 | 39 | 49 | 58 | 64 | 73 | 79 | 93 | 106 | 1,37 |
| 16 | 12 | 15 | 18 | 23 | 29 | 34 | 42 | 52 | 62 | 68 | 78 | 85 | 95 | 114 | 1,36 |
| 18 | 14 | 16 | 19 | 24 | 30 | 36 | 44 | 55 | 66 | 72 | 82 | 90 | 100 | 120 | 1,36 |
| 20 | 15 | 17 | 21 | 25 | 31 | 37 | 46 | 58 | 69 | 76 | 86 | 94 | 105 | 125 | 1,35 |
| 25 | 15 | 19 | 23 | 28 | 35 | 42 | 52 | 66 | 78 | 86 | 97 | 106 | 119 | 141 | 1,34 |
| 30 | 17 | 21 | 25 | 31 | 39 | 47 | 51 | 73 | 87 | 96 | 108 | 118 | 132 | 157 | 1,33 |
| 40 | 20 | 25 | 30 | 38 | 46 | 56 | 70 | 87 | 104 | 114 | 130 | 142 | 158 | 189 | 1,31 |
| 50 | 24 | 29 | 34 | 44 | 54 | 65 | 82 | 102 | 121 | 133 | 151 | 165 | 184 | 220 | 1,29 |
| 60 | 27 | 32 | 39 | 50 | 62 | 74 | 95 | 119 | 140 | 155 | 177 | 199 | 222 | 265 | 1,28 |
| 70 | 29 | 35 | 43 | 56 | 70 | 82 | 106 | 133 | 157 | 173 | 198 | 222 | 248 | 296 | 1,27 |
| 80 | 34 | 42 | 51 | 66 | 81 | 97 | 126 | 156 | 187 | 205 | 234 | 263 | 293 | 350 | 1,26 |
| 90 | 38 | 46 | 56 | 72 | 89 | 106 | 134 | 171 | 204 | 224 | 265 | 287 | 320 | 284 | 1,26 |
| 100 | 41 | 50 | 61 | 78 | 96 | 114 | 149 | 186 | 220 | 242 | 277 | 311 | 347 | 416 | 1,25 |
| 120 | 52 | 63 | 77 | 99 | 122 | 145 | 189 | 236 | 280 | 308 | 352 | 395 | 440 | 527 | 1,22 |

Nota: Cargas de calentamiento y funcionamiento basadas en una temperatura ambiente de 20°C y un rendimiento del aislamiento del 80 %

Fuente: Spirax Sarco