

HeatLoss Low Temperature Technical Data Sheet

| Pipe classification (HDPE Jacket / PEX) | 75/25 | 125/25 | 90/32 | 125/32 | 90/40 | 125/40 | 160/40 | 125/50 | 160/50 | 125/63 | 160/63 | 160/75 | 200/75 | 160/90 | 200/90 |
|---|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Carrier pipe ID | 3/4" | 3/4" | 1" | 1" | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/2" | 1 1/2" | 2" | 2" | 2 1/2" | 2 1/2" | 3" | 3" |
| outer jacket OD | 3" | 5" | 3 1/2" | 5" | 3 1/4" | 5" | 6 1/4" | 5" | 6 1/4" | 5" | 6 1/4" | 6 1/4" | 8" | 6 1/4" | 8" |
| Insulation thickness | 3/4" | 1 1/2" | 1" | 1 1/2" | 3/4" | 1 1/4" | 2" | 1" | 1 3/4" | 1" | 1 1/2" | 1 1/4" | 2" | 1" | 1 3/4" |
| 30 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 28 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 |
| 27 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 3 | 2 |
| 25 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 3 | 2 | 2 | 2 | 3 | 2 |
| 23 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 3 | 2 | 3 | 2 | 4 | 3 |
| 21 | 2 | 1 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 4 | 3 |
| 20 | 2 | 2 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 4 | 2 | 3 | 3 | 5 | 3 |
| 18 | 3 | 2 | 3 | 2 | 4 | 3 | 2 | 3 | 2 | 4 | 3 | 4 | 3 | 5 | 4 |
| 16 | 3 | 2 | 3 | 2 | 4 | 3 | 2 | 4 | 3 | 5 | 3 | 4 | 3 | 6 | 4 |
| 14 | 3 | 2 | 3 | 3 | 4 | 3 | 2 | 4 | 3 | 5 | 4 | 5 | 3 | 6 | 4 |
| 12 | 4 | 2 | 4 | 3 | 5 | 3 | 3 | 4 | 3 | 6 | 4 | 5 | 4 | 7 | 5 |
| 10 | 4 | 3 | 4 | 3 | 5 | 4 | 3 | 5 | 3 | 6 | 4 | 5 | 4 | 7 | 5 |
| 9 | 4 | 3 | 4 | 3 | 5 | 4 | 3 | 5 | 4 | 7 | 4 | 6 | 4 | 8 | 5 |
| 7 | 4 | 3 | 5 | 3 | 6 | 4 | 3 | 5 | 4 | 7 | 5 | 6 | 5 | 8 | 6 |
| 5 | 5 | 3 | 5 | 4 | 6 | 4 | 3 | 6 | 4 | 7 | 5 | 6 | 5 | 9 | 6 |
| 3 | 5 | 3 | 5 | 4 | 6 | 5 | 4 | 6 | 4 | 8 | 5 | 7 | 5 | 9 | 6 |
| 1 | 5 | 3 | 6 | 4 | 7 | 5 | 4 | 6 | 5 | 8 | 6 | 7 | 5 | 10 | 7 |
| 0 | 5 | 4 | 6 | 4 | 7 | 5 | 4 | 6 | 5 | 9 | 6 | 8 | 6 | 10 | 7 |
| -2 | 6 | 4 | 6 | 4 | 8 | 5 | 4 | 7 | 5 | 9 | 6 | 8 | 6 | 10 | 7 |
| -4 | 6 | 4 | 6 | 5 | 8 | 6 | 4 | 7 | 5 | 9 | 7 | 8 | 6 | 11 | 8 |
| -6 | 6 | 4 | 7 | 5 | 8 | 6 | 5 | 7 | 6 | 10 | 7 | 9 | 7 | 11 | 8 |
| -8 | 6 | 4 | 7 | 5 | 9 | 6 | 5 | 8 | 6 | 10 | 7 | 9 | 7 | 12 | 8 |
| -9 | 7 | 4 | 7 | 5 | 9 | 6 | 5 | 8 | 6 | 11 | 7 | 9 | 7 | 13 | 9 |
| -10 | 7 | 5 | 7 | 6 | 9 | 7 | 5 | 8 | 6 | 11 | 8 | 10 | 7 | 13 | 9 |
| -13 | 7 | 5 | 8 | 6 | 10 | 7 | 5 | 9 | 6 | 12 | 8 | 10 | 8 | 14 | 9 |
| -15 | 7 | 5 | 8 | 6 | 10 | 7 | 6 | 9 | 7 | 12 | 8 | 10 | 8 | 15 | 10 |
| -17 | 8 | 5 | 8 | 6 | 10 | 7 | 6 | 9 | 7 | 13 | 8 | 11 | 8 | 15 | 10 |
| -18 | 8 | 5 | 9 | 6 | 11 | 7 | 6 | 10 | 7 | 13 | 9 | 11 | 9 | 16 | 10 |
| -20 | 8 | 5 | 9 | 7 | 11 | 8 | 6 | 10 | 7 | 14 | 9 | 12 | 9 | 16 | 11 |
| -22 | 8 | 6 | 9 | 7 | 11 | 8 | 6 | 10 | 8 | 15 | 9 | 12 | 9 | 17 | 11 |
| -24 | 9 | 6 | 9 | 7 | 12 | 8 | 6 | 10 | 8 | 15 | 10 | 13 | 9 | 17 | 11 |
| -26 | 9 | 6 | 10 | 7 | 12 | 8 | 7 | 11 | 8 | 15 | 10 | 13 | 10 | 18 | 12 |
| -27 | 9 | 6 | 10 | 7 | 13 | 9 | 7 | 11 | 8 | 16 | 10 | 14 | 10 | 18 | 12 |
| -29 | 9 | 6 | 10 | 8 | 13 | 9 | 7 | 11 | 8 | 16 | 10 | 14 | 10 | 19 | 13 |

Table 10: Heatloss calculation for Microflex pipes with low environmental temperatures.

Note: This table features heat losses in the event of a negative ambient temperature around the pipe jacket. If the heat loss exceeds 9 BTUH/ft pipes might freeze.