

**Общие параметры**

Активная база данных: 1 Потребитель: Маяковского 13  
Поставщик:

| Дата        | БД  | НС  |
|-------------|-----|-----|
| 23.01.21    | 1   |     |
| 24.01.21    | 1   |     |
| 25.01.21    | 1   |     |
| 26.01.21    | 1   |     |
| 27.01.21    | 1   |     |
| 28.01.21    | 1   |     |
| 29.01.21    | 1   |     |
| 30.01.21    | 1   |     |
| 31.01.21    | 1   |     |
| 01.02.21    | 1   |     |
| 02.02.21    | 1   |     |
| 03.02.21    | 1   |     |
| 04.02.21    | 1   |     |
| 05.02.21    | 1   |     |
| 06.02.21    | 1   |     |
| 07.02.21    | 1   |     |
| 08.02.21    | 1   |     |
| 09.02.21    | 1   |     |
| 10.02.21    | 1   |     |
| 11.02.21    | 1   |     |
| 12.02.21    | 1   |     |
| 13.02.21    | 1   |     |
| 14.02.21    | 1   |     |
| 15.02.21    | 1   |     |
| 16.02.21    | 1   |     |
| 17.02.21    | 1   |     |
| 18.02.21    | 1   |     |
| 19.02.21    | 1   |     |
| 20.02.21    | 1   |     |
| 21.02.21    | 1   |     |
| 22.02.21    | 1   |     |
| Среднее     | --- | --- |
| Итого       | --- | --- |
| На 23.01.21 | --- | --- |
| На 22.02.21 | --- | --- |

Ответственный за учет \_\_\_\_\_

Отчет принят " \_\_ " \_\_\_\_\_ 20\_\_ г. \_\_\_\_\_ / \_\_\_\_\_ /

Тепловой ввод 1. Схема 3

Активная база данных: 1 Потребитель: Маяковского 13  
Поставщик:

| Дата        | Схема | Qo, Гкал | Qr, Гкал | M1, т     | M2, т     | M3, т   | Mг, т    | V1, м3    | V2, м3    | V3, м3  | dV, м3   | t1, °C | t2, °C | t3, °C | dt, °C | P1, кгс/см2 | P2, кгс/см2 | ВНП, ч  | ВОС, ч | HC Qo | HC Qr | HC M1 | HC M2 | HC M3 | HC Mг | HC V1 | HC V2 | HC V3 | HC t1 | HC t2 | HC t3 | HC dt | HC P1 | HC P2 |     |     |     |
|-------------|-------|----------|----------|-----------|-----------|---------|----------|-----------|-----------|---------|----------|--------|--------|--------|--------|-------------|-------------|---------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|
| 23.01.21    | 3     | 3,971    | 0,000    | 79,450    | 73,190    | 0,000   | 6,260    | 82,770    | 74,150    | 0,000   | 8,620    | 98,32  | 52,12  | 52,12  | 46,20  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   |     |     |
| 24.01.21    | 3     | 4,106    | 0,000    | 80,600    | 73,300    | 0,000   | 7,300    | 84,030    | 74,260    | 0,000   | 9,770    | 99,24  | 52,66  | 52,66  | 46,58  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 25.01.21    | 3     | 4,661    | 0,000    | 80,110    | 73,920    | 0,000   | 6,190    | 84,210    | 75,000    | 0,000   | 9,210    | 109,65 | 55,51  | 55,45  | 54,14  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 26.01.21    | 3     | 5,232    | 0,000    | 81,030    | 76,520    | 0,000   | 4,510    | 86,010    | 77,800    | 0,000   | 8,210    | 121,60 | 60,46  | 60,45  | 61,14  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 27.01.21    | 3     | 4,839    | 0,000    | 79,170    | 74,540    | 0,000   | 4,630    | 83,640    | 75,710    | 0,000   | 7,930    | 115,94 | 58,14  | 58,14  | 57,80  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 28.01.21    | 3     | 4,281    | 0,000    | 78,280    | 71,600    | 0,000   | 6,680    | 81,900    | 72,560    | 0,000   | 9,340    | 103,54 | 53,03  | 53,03  | 50,51  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 29.01.21    | 3     | 4,329    | 0,000    | 78,730    | 72,790    | 0,000   | 5,940    | 82,440    | 73,750    | 0,000   | 8,690    | 105,04 | 53,92  | 53,93  | 51,12  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 30.01.21    | 3     | 4,414    | 0,000    | 79,450    | 73,730    | 0,000   | 5,720    | 83,250    | 74,690    | 0,000   | 8,560    | 106,16 | 54,27  | 54,28  | 51,89  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 31.01.21    | 3     | 5,399    | 0,000    | 79,320    | 73,410    | 0,000   | 5,910    | 84,290    | 74,600    | 0,000   | 9,690    | 123,13 | 59,48  | 59,47  | 63,65  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 01.02.21    | 3     | 5,148    | 0,000    | 82,250    | 75,370    | 0,000   | 6,880    | 86,920    | 76,570    | 0,000   | 10,350   | 116,28 | 58,39  | 58,40  | 57,89  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 02.02.21    | 3     | 4,588    | 0,000    | 82,000    | 75,990    | 0,000   | 6,010    | 86,050    | 77,090    | 0,000   | 8,960    | 107,51 | 55,39  | 55,39  | 52,12  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 03.02.21    | 3     | 3,989    | 0,000    | 84,250    | 76,470    | 0,000   | 7,780    | 87,610    | 77,500    | 0,000   | 10,110   | 95,52  | 52,57  | 52,55  | 42,95  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 04.02.21    | 3     | 3,334    | 0,000    | 82,400    | 75,680    | 0,000   | 6,720    | 85,030    | 76,520    | 0,000   | 8,510    | 84,93  | 48,00  | 47,99  | 36,93  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 05.02.21    | 3     | 3,670    | 0,000    | 82,750    | 75,750    | 0,000   | 7,000    | 85,760    | 76,700    | 0,000   | 9,060    | 91,00  | 50,56  | 50,55  | 40,44  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 06.02.21    | 3     | 3,440    | 0,000    | 80,000    | 73,680    | 0,000   | 6,320    | 82,810    | 74,610    | 0,000   | 8,200    | 88,95  | 49,49  | 49,49  | 39,46  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 07.02.21    | 3     | 3,010    | 0,000    | 81,670    | 73,890    | 0,000   | 7,780    | 84,010    | 74,710    | 0,000   | 9,300    | 80,05  | 47,22  | 47,18  | 32,83  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 08.02.21    | 3     | 2,619    | 0,000    | 81,920    | 72,200    | 0,000   | 9,720    | 83,770    | 72,920    | 0,000   | 10,850   | 70,58  | 43,14  | 43,14  | 27,44  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 09.02.21    | 3     | 2,870    | 0,000    | 81,560    | 72,840    | 0,000   | 8,720    | 83,670    | 73,580    | 0,000   | 10,090   | 75,80  | 44,83  | 44,83  | 30,97  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 10.02.21    | 3     | 3,840    | 0,000    | 80,100    | 73,700    | 0,000   | 6,400    | 83,340    | 74,660    | 0,000   | 8,680    | 96,88  | 52,81  | 52,81  | 44,07  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 11.02.21    | 3     | 4,167    | 0,000    | 80,660    | 74,420    | 0,000   | 6,240    | 84,310    | 75,480    | 0,000   | 8,830    | 102,45 | 54,71  | 54,70  | 47,74  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 12.02.21    | 3     | 4,468    | 0,000    | 83,860    | 76,100    | 0,000   | 7,760    | 87,790    | 77,280    | 0,000   | 10,510   | 104,37 | 55,94  | 55,94  | 48,43  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 13.02.21    | 3     | 4,437    | 0,000    | 82,570    | 76,660    | 0,000   | 5,910    | 86,530    | 77,820    | 0,000   | 8,710    | 106,18 | 56,24  | 56,23  | 49,94  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 14.02.21    | 3     | 4,146    | 0,000    | 83,010    | 76,750    | 0,000   | 6,260    | 86,590    | 77,800    | 0,000   | 8,790    | 100,40 | 54,28  | 54,28  | 46,12  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 15.02.21    | 3     | 3,870    | 0,000    | 81,480    | 75,370    | 0,000   | 6,110    | 84,750    | 76,330    | 0,000   | 8,420    | 96,11  | 52,23  | 52,22  | 43,88  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 16.02.21    | 3     | 3,132    | 0,000    | 82,750    | 75,310    | 0,000   | 7,440    | 85,240    | 76,140    | 0,000   | 9,100    | 82,00  | 48,00  | 47,97  | 34,00  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 17.02.21    | 3     | 2,789    | 0,000    | 82,100    | 74,570    | 0,000   | 7,530    | 84,210    | 75,300    | 0,000   | 8,910    | 75,10  | 44,75  | 44,76  | 30,35  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 18.02.21    | 3     | 3,496    | 0,000    | 79,350    | 73,760    | 0,000   | 5,590    | 82,280    | 74,720    | 0,000   | 7,560    | 91,40  | 50,54  | 50,54  | 40,86  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 19.02.21    | 3     | 3,771    | 0,000    | 80,500    | 73,910    | 0,000   | 6,590    | 83,660    | 74,870    | 0,000   | 8,790    | 95,29  | 52,38  | 52,37  | 42,91  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 20.02.21    | 3     | 3,836    | 0,000    | 80,440    | 73,610    | 0,000   | 6,830    | 83,650    | 74,570    | 0,000   | 9,080    | 95,74  | 52,14  | 52,14  | 43,60  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 21.02.21    | 3     | 4,222    | 0,000    | 81,780    | 74,050    | 0,000   | 7,730    | 85,350    | 75,010    | 0,000   | 10,340   | 100,83 | 53,92  | 53,92  | 46,91  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| 22.02.21    | 3     | 4,011    | 0,000    | 80,710    | 74,640    | 0,000   | 6,070    | 84,220    | 75,600    | 0,000   | 8,620    | 100,21 | 54,31  | 54,31  | 45,90  | 6,300       | 5,600       | 24,00   | 0,00   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0   |     |
| Среднее     | 3     | 4,003    | 0,000    | 81,105    | 74,443    | 0,000   | 6,662    | 84,519    | 75,429    | 0,000   | 9,090    | 98,07  | 52,63  | 52,62  | 45,44  | 6,300       | 5,600       | 24,00   | 0,00   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | --- | --- |     |
| Итого       | 3     | 124,085  | 0,000    | 2514,250  | 2307,720  | 0,000   | 206,530  | 2620,090  | 2338,300  | 0,000   | 281,790  | 98,07  | 52,63  | 52,62  | 45,44  | 6,300       | 5,600       | 744,00  | 0,00   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | --- | --- | --- |
| На 23.01.21 | 3     | 417,677  | 9,306    | 10058,890 | 8549,770  | 162,870 | 1509,120 | 10372,220 | 8640,520  | 165,770 | 1731,700 | 101,08 | 53,21  | 53,20  | 47,87  | 6,300       | 5,600       | 4392,00 | 0,00   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | --- | --- | --- |
| На 22.02.21 | 3     | 541,762  | 9,306    | 12573,140 | 10857,490 | 162,870 | 1715,650 | 12992,310 | 10978,820 | 165,770 | 2013,490 | 100,21 | 54,31  | 54,31  | 45,90  | 6,300       | 5,600       | 5136,00 | 0,00   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | --- | --- | --- |

Ответственный за учет \_\_\_\_\_

Отчет принят " \_\_\_\_ " \_\_\_\_\_ 20\_\_ г. \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Тепловой ввод 2. Схема 9

Активная база данных: 1 Потребитель: Маяковского 13  
Поставщик:

| Дата        | Схема | V1,<br>м3 | V2,<br>м3 | dV,<br>м3 | ВНР,<br>ч | ВОС,<br>ч | НС<br>V1 | НС<br>V2 |
|-------------|-------|-----------|-----------|-----------|-----------|-----------|----------|----------|
| 23.01.21    | 9     | 6,390     | 14,070    | -7,680    | 24,00     | 0,00      | 0        | 0        |
| 24.01.21    | 9     | 7,350     | 12,890    | -5,540    | 24,00     | 0,00      | 0        | 0        |
| 25.01.21    | 9     | 6,330     | 13,310    | -6,980    | 24,00     | 0,00      | 0        | 0        |
| 26.01.21    | 9     | 4,790     | 11,180    | -6,390    | 24,00     | 0,00      | 0        | 0        |
| 27.01.21    | 9     | 4,740     | 9,610     | -4,870    | 24,00     | 0,00      | 0        | 0        |
| 28.01.21    | 9     | 6,170     | 12,080    | -5,910    | 24,00     | 0,00      | 0        | 0        |
| 29.01.21    | 9     | 5,720     | 10,880    | -5,160    | 24,00     | 0,00      | 0        | 0        |
| 30.01.21    | 9     | 5,640     | 13,000    | -7,360    | 24,00     | 0,00      | 0        | 0        |
| 31.01.21    | 9     | 5,570     | 15,730    | -10,160   | 24,00     | 0,00      | 0        | 0        |
| 01.02.21    | 9     | 6,910     | 18,300    | -11,390   | 24,00     | 0,00      | 0        | 0        |
| 02.02.21    | 9     | 5,930     | 11,780    | -5,850    | 24,00     | 0,00      | 0        | 0        |
| 03.02.21    | 9     | 7,590     | 13,360    | -5,770    | 24,00     | 0,00      | 0        | 0        |
| 04.02.21    | 9     | 6,080     | 9,280     | -3,200    | 24,00     | 0,00      | 0        | 0        |
| 05.02.21    | 9     | 6,630     | 11,700    | -5,070    | 24,00     | 0,00      | 0        | 0        |
| 06.02.21    | 9     | 5,740     | 11,660    | -5,920    | 24,00     | 0,00      | 0        | 0        |
| 07.02.21    | 9     | 7,070     | 12,920    | -5,850    | 24,00     | 0,00      | 0        | 0        |
| 08.02.21    | 9     | 8,680     | 13,460    | -4,780    | 24,00     | 0,00      | 0        | 0        |
| 09.02.21    | 9     | 7,900     | 11,650    | -3,750    | 24,00     | 0,00      | 0        | 0        |
| 10.02.21    | 9     | 6,180     | 13,310    | -7,130    | 24,00     | 0,00      | 0        | 0        |
| 11.02.21    | 9     | 6,210     | 12,990    | -6,780    | 24,00     | 0,00      | 0        | 0        |
| 12.02.21    | 9     | 7,730     | 15,180    | -7,450    | 24,00     | 0,00      | 0        | 0        |
| 13.02.21    | 9     | 5,830     | 15,380    | -9,550    | 24,00     | 0,00      | 0        | 0        |
| 14.02.21    | 9     | 6,090     | 14,060    | -7,970    | 24,00     | 0,00      | 0        | 0        |
| 15.02.21    | 9     | 5,810     | 10,160    | -4,350    | 24,00     | 0,00      | 0        | 0        |
| 16.02.21    | 9     | 6,720     | 10,030    | -3,310    | 24,00     | 0,00      | 0        | 0        |
| 17.02.21    | 9     | 6,570     | 9,280     | -2,710    | 24,00     | 0,00      | 0        | 0        |
| 18.02.21    | 9     | 4,990     | 9,030     | -4,040    | 24,00     | 0,00      | 0        | 0        |
| 19.02.21    | 9     | 6,250     | 10,090    | -3,840    | 24,00     | 0,00      | 0        | 0        |
| 20.02.21    | 9     | 6,560     | 11,780    | -5,220    | 24,00     | 0,00      | 0        | 0        |
| 21.02.21    | 9     | 7,680     | 14,000    | -6,320    | 24,00     | 0,00      | 0        | 0        |
| 22.02.21    | 9     | 5,850     | 11,640    | -5,790    | 24,00     | 0,00      | 0        | 0        |
| Среднее     | 9     | 6,377     | 12,380    | -6,003    | 24,00     | 0,00      | ---      | ---      |
| Итого       | 9     | 197,700   | 383,790   | -186,090  | 744,00    | 0,00      | ---      | ---      |
| На 23.01.21 | 9     | 1560,920  | 2871,670  | -1310,750 | 4392,00   | 0,00      | ---      | ---      |
| На 22.02.21 | 9     | 1758,620  | 3255,460  | -1496,840 | 5136,00   | 0,00      | ---      | ---      |

Ответственный за учет \_\_\_\_\_

Отчет принят "\_\_\_" \_\_\_\_\_ 20\_\_ г. \_\_\_\_\_ / \_\_\_\_\_ /

### Принятые обозначения

#### Измеряемые параметры

**Qo** - тепловая энергия полная, Гкал (ГДж, MWh)

**Qt** - тепловая энергия в трубопроводе 3, соответствующая Mg, Гкал (ГДж, MWh)

**Mi** - масса воды в i-ом трубопроводе, т

**Mg** - масса воды, отобранной из системы (разность значений M1-M2), т

**Gi** - объемный расход в i-ом трубопроводе, м<sup>3</sup>/ч

**ti** - температура теплоносителя в i-ом трубопроводе, °C

**dt** - разность температур теплоносителя, °C

**Pi** - давление теплоносителя в i-ом трубопроводе, кгс/см<sup>2</sup> (МПа, bar)

**tv** - температура воздуха, °C

**txv** - температура холодной воды, °C

**ВНР** - время нормальной работы, ч

**ВОС** - время отсутствия счета, ч