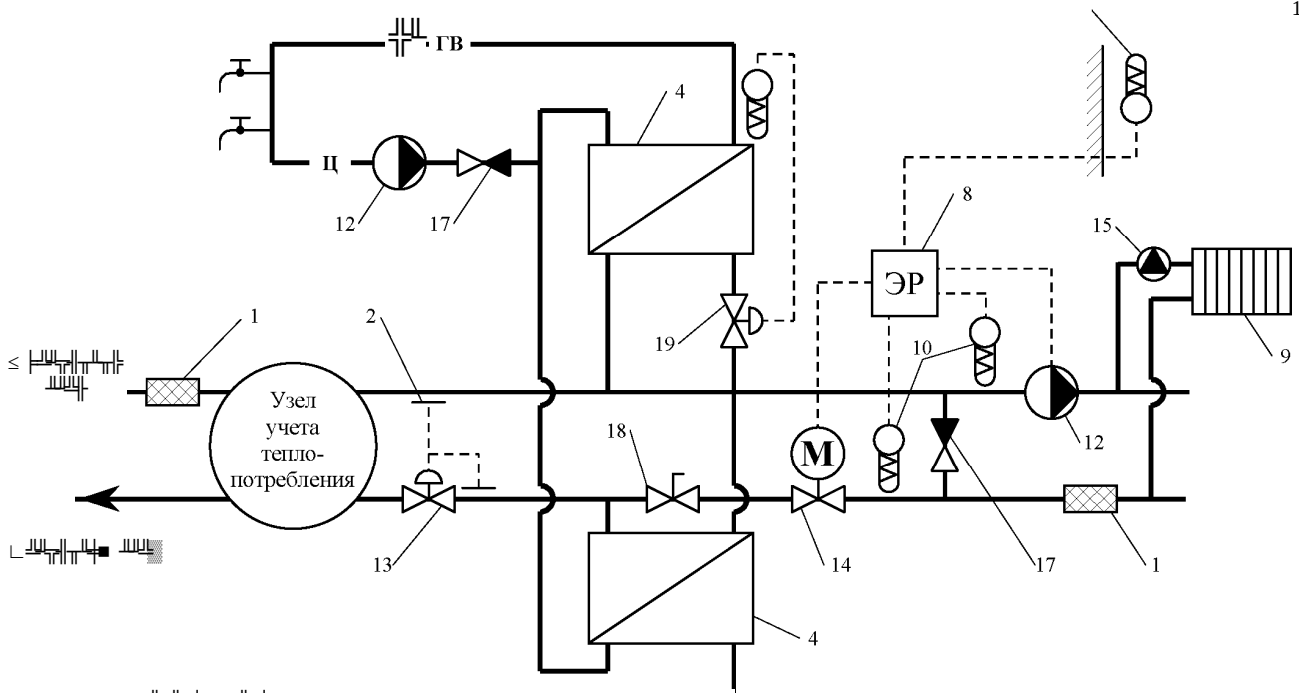


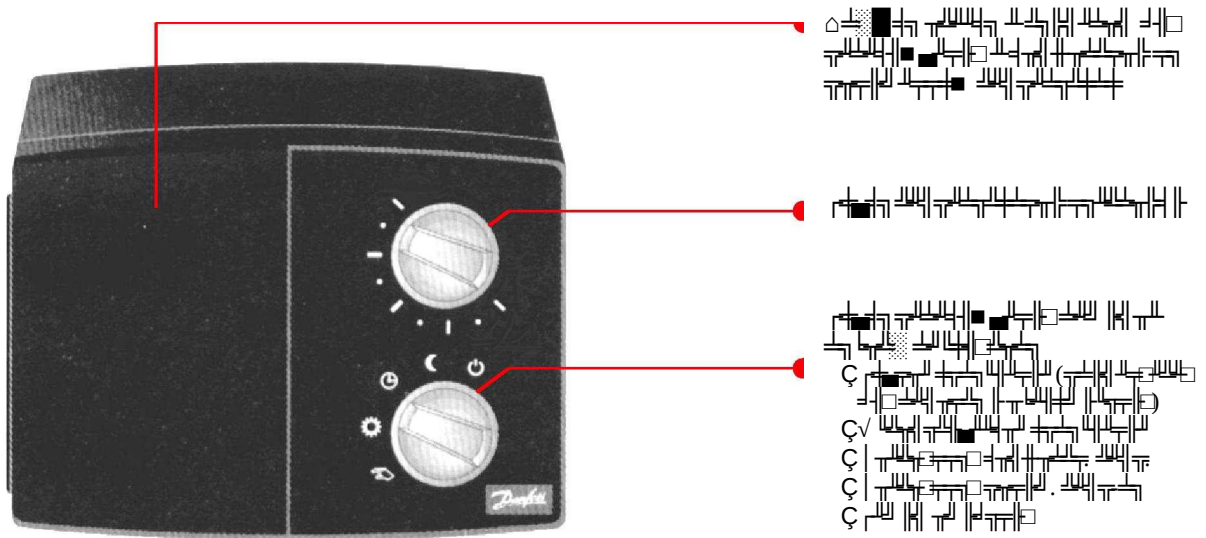
7.2. (8), (10, 11) (14), (12) (16). (13). (7) (15),

11

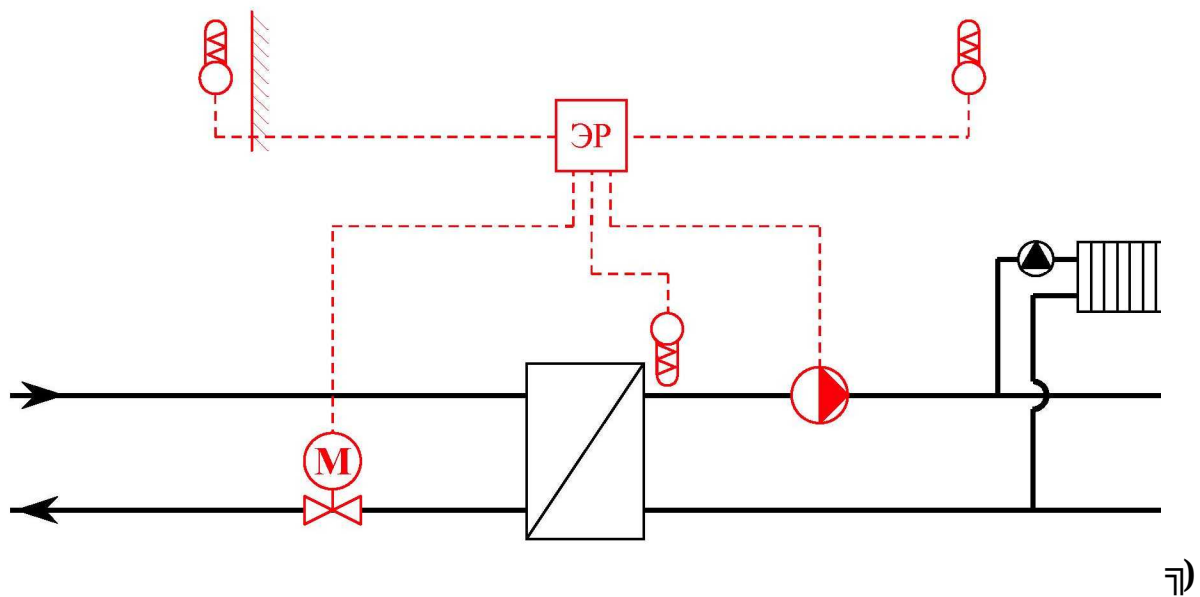


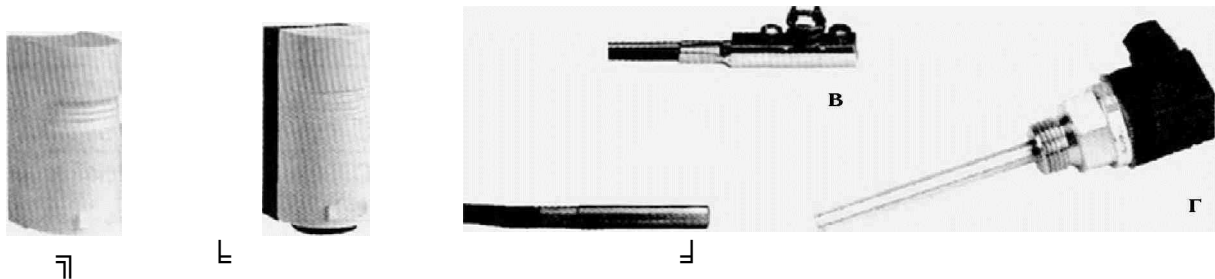
7.2. 1 - 2 - 4 - 8 - 9 - 10 - 11 -

№	1	2	3	4	5
1	3	2	1	7.4	200-250
2	4	2	1	7.4	300-350
3	6	4	2	7.4	380-460



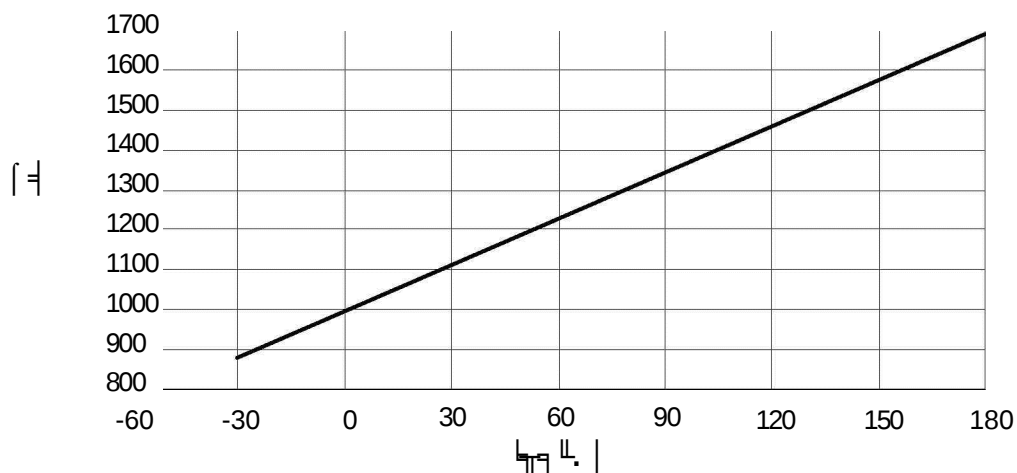
7.3.





7.5.

а - ;
 б - ;
 в - ;
 г - .



7.6.

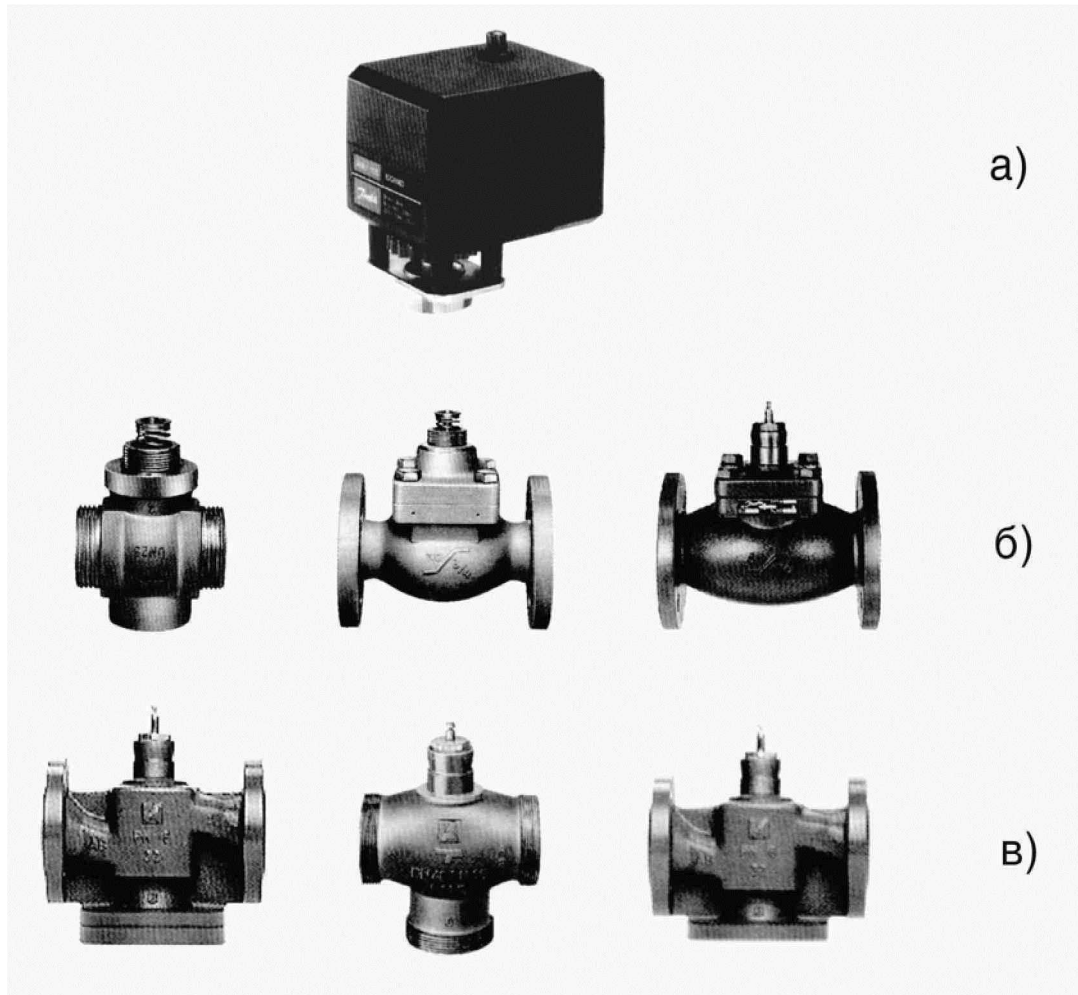
7.2

	48
	48
	90-105*
	64

* -

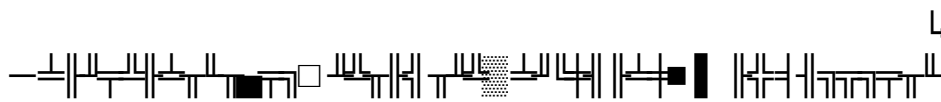
7.3. 7.4. 7.5. 7.6. 7.7.

7.3. 7.4. 7.5. 7.6. 7.7. 7.8. 7.9. 7.10. 7.11. 7.12. 7.13. 7.14. 7.15. 7.16. 7.17. 7.18. 7.19. 7.20. 7.21. 7.22. 7.23. 7.24. 7.25. 7.26. 7.27. 7.28. 7.29. 7.30. 7.31. 7.32. 7.33. 7.34. 7.35. 7.36. 7.37. 7.38. 7.39. 7.40. 7.41. 7.42. 7.43. 7.44. 7.45. 7.46. 7.47. 7.48. 7.49. 7.50. 7.51. 7.52. 7.53. 7.54. 7.55. 7.56. 7.57. 7.58. 7.59. 7.60. 7.61. 7.62. 7.63. 7.64. 7.65. 7.66. 7.67. 7.68. 7.69. 7.70. 7.71. 7.72. 7.73. 7.74. 7.75. 7.76. 7.77. 7.78. 7.79. 7.80. 7.81. 7.82. 7.83. 7.84. 7.85. 7.86. 7.87. 7.88. 7.89. 7.90. 7.91. 7.92. 7.93. 7.94. 7.95. 7.96. 7.97. 7.98. 7.99. 8.00.



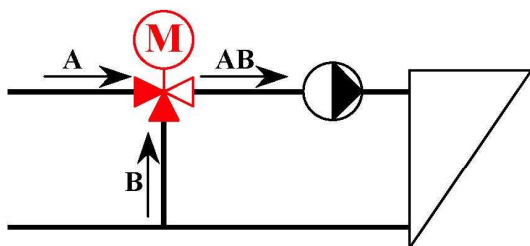
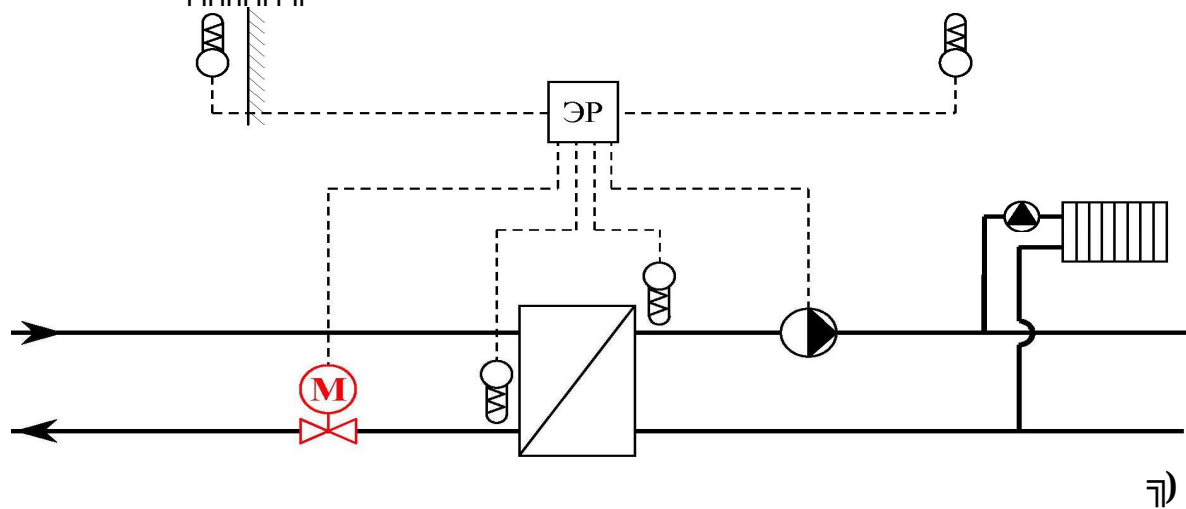
7.6. 7.7. 7.8. 7.9. 7.10. 7.11. 7.12. 7.13. 7.14. 7.15. 7.16. 7.17. 7.18. 7.19. 7.20. 7.21. 7.22. 7.23. 7.24. 7.25. 7.26. 7.27. 7.28. 7.29. 7.30. 7.31. 7.32. 7.33. 7.34. 7.35. 7.36. 7.37. 7.38. 7.39. 7.40. 7.41. 7.42. 7.43. 7.44. 7.45. 7.46. 7.47. 7.48. 7.49. 7.50. 7.51. 7.52. 7.53. 7.54. 7.55. 7.56. 7.57. 7.58. 7.59. 7.60. 7.61. 7.62. 7.63. 7.64. 7.65. 7.66. 7.67. 7.68. 7.69. 7.70. 7.71. 7.72. 7.73. 7.74. 7.75. 7.76. 7.77. 7.78. 7.79. 7.80. 7.81. 7.82. 7.83. 7.84. 7.85. 7.86. 7.87. 7.88. 7.89. 7.90. 7.91. 7.92. 7.93. 7.94. 7.95. 7.96. 7.97. 7.98. 7.99. 8.00.

7.3. 7.4. 7.5. 7.6. 7.7. 7.8. 7.9. 7.10. 7.11. 7.12. 7.13. 7.14. 7.15. 7.16. 7.17. 7.18. 7.19. 7.20. 7.21. 7.22. 7.23. 7.24. 7.25. 7.26. 7.27. 7.28. 7.29. 7.30. 7.31. 7.32. 7.33. 7.34. 7.35. 7.36. 7.37. 7.38. 7.39. 7.40. 7.41. 7.42. 7.43. 7.44. 7.45. 7.46. 7.47. 7.48. 7.49. 7.50. 7.51. 7.52. 7.53. 7.54. 7.55. 7.56. 7.57. 7.58. 7.59. 7.60. 7.61. 7.62. 7.63. 7.64. 7.65. 7.66. 7.67. 7.68. 7.69. 7.70. 7.71. 7.72. 7.73. 7.74. 7.75. 7.76. 7.77. 7.78. 7.79. 7.80. 7.81. 7.82. 7.83. 7.84. 7.85. 7.86. 7.87. 7.88. 7.89. 7.90. 7.91. 7.92. 7.93. 7.94. 7.95. 7.96. 7.97. 7.98. 7.99. 8.00.

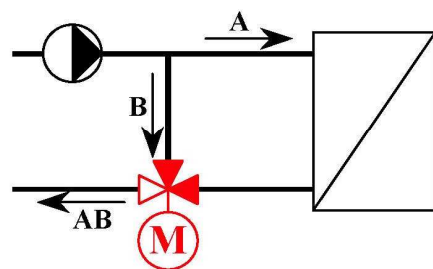


№	Схема	Обозначения	Диагностика
1		2.1, 2.2, 2.3, 2.4, 3.6	80-1950*
2		2.4, 3.6	400-2400*
3			320-1700

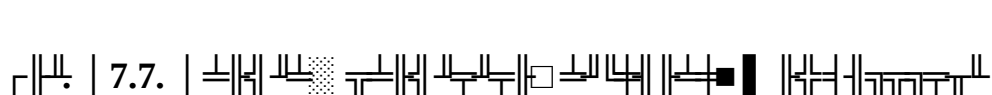
* - значения, полученные в результате испытаний на стенде.



смешение потоков



разделение потоков



7.8.

7.8.

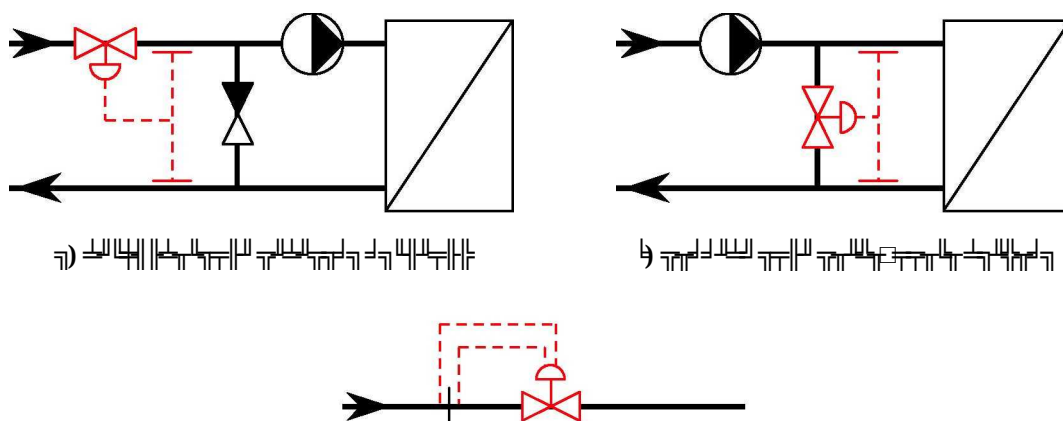


7.8.

7.8.



רשומה 7.9. סמלי הציוד המכאני (מכשירים מכאניים) המשמשים במערכי תרמו-הידראוליקים



הצגה גרפית של סמלי הציוד המכאני

רשומה 7.10. סמלי הציוד המכאני המשמשים במערכי תרמו-הידראוליקים

האובדן הכולל של המערכת $\sum \Delta Q_{\text{loss}} \leq L$ כאשר L הוא האובדן המותר. (1):

$$\Delta Q = \Delta Q_{\text{fr}} + \Delta Q_{\text{val}} + \Delta Q_{\text{acc}} + \Delta Q_{\text{res}} \quad (7.1)$$

ΔQ_{fr} - אובדן חיכוך, %;

ΔQ_{val} - אובדן במערכת, %;

ΔQ_{acc} - אובדן תאוצה, %;

$\Delta_{17^{00}} \cdot t_{\perp}^{\perp} = 18^{\circ}$, $t_{\perp}^{\perp} = -4,7^{\circ}$, $t_{\perp}^{\perp} = -30^{\circ}$ (החודש | | 2.04.05-86). | $\Delta_{17^{00}} \cdot t_{\perp}^{\perp} = 3^{\circ}$ $\Delta_{17^{00}} \cdot t_{\perp}^{\perp} = 3^{\circ}$ (ה = 8
 $\Delta_{17^{00}} \cdot t_{\perp}^{\perp} = 3^{\circ}$ (b = 2 $\Delta_{17^{00}} \cdot t_{\perp}^{\perp} = 3^{\circ}$). $\Delta_{17^{00}} \cdot t_{\perp}^{\perp} = 3^{\circ}$:

$\Delta_{17^{00}} = 2,1\%$ (החודש | | 7.5 | | 7.6)

$\Delta_{17^{00}} = 7,6\%$

$\Delta_{17^{00}} = 3,8\%$

$\Delta_{17^{00}} = 6,6\%$

$\Delta_{17^{00}} = \Delta_{17^{00}} + \Delta_{17^{00}} + \Delta_{17^{00}} + \Delta_{17^{00}} = 2,1 + 7,6 + 3,8 + 6,6 = 20,1\%$ $\Delta_{17^{00}} \leq 20,1\%$

$\Delta_{17^{00}} = 20,1\%$

$\Delta_{17^{00}} = 20,1\%$

$\Delta_{17^{00}} = 20,1\%$

$$L = \Delta / (\Delta_{17^{00}} - \Delta_{17^{00}}), \quad (| 7.5)$$

$\Delta_{17^{00}} = 20,1\%$

$\Delta_{17^{00}} = 20,1\%$

$\Delta_{17^{00}} = 20,1\%$

7.7, $\Delta = 20\%$

7.5

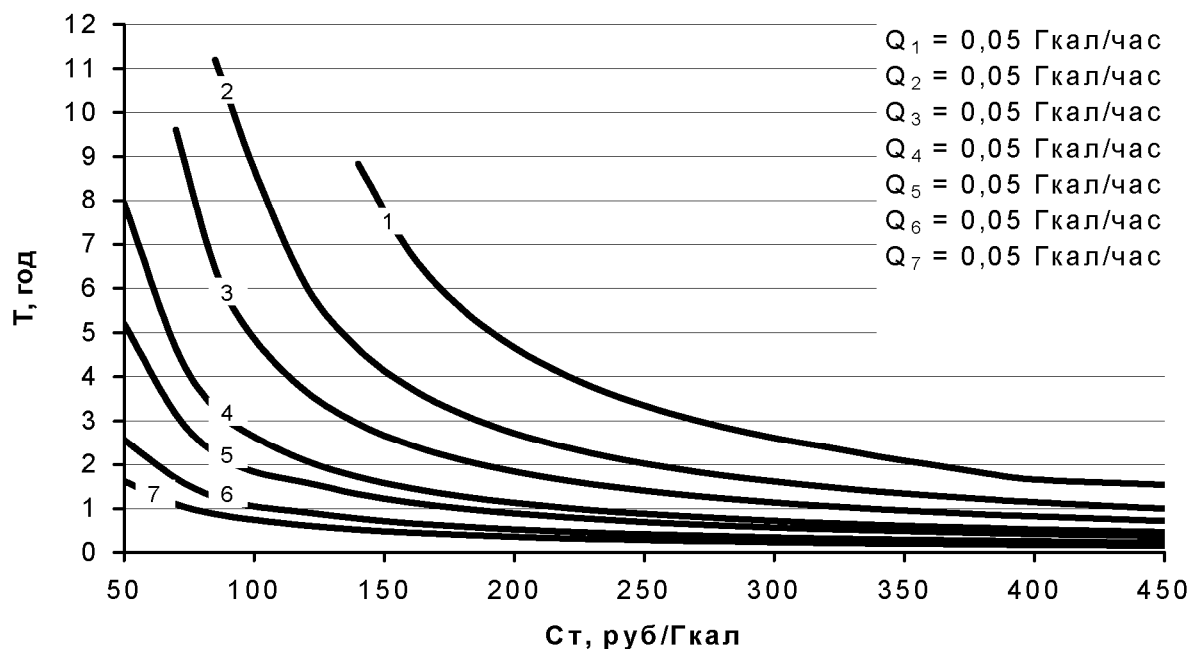
$Q, 1,15$

$t_{\text{нр}} = -30^\circ\text{C}$, $95-70^\circ\text{C}$

5064.

20-25%.

7.11.



7.11

(Q)

(C)

$Q=0,1$

4

$2)$

$\Delta = 40$

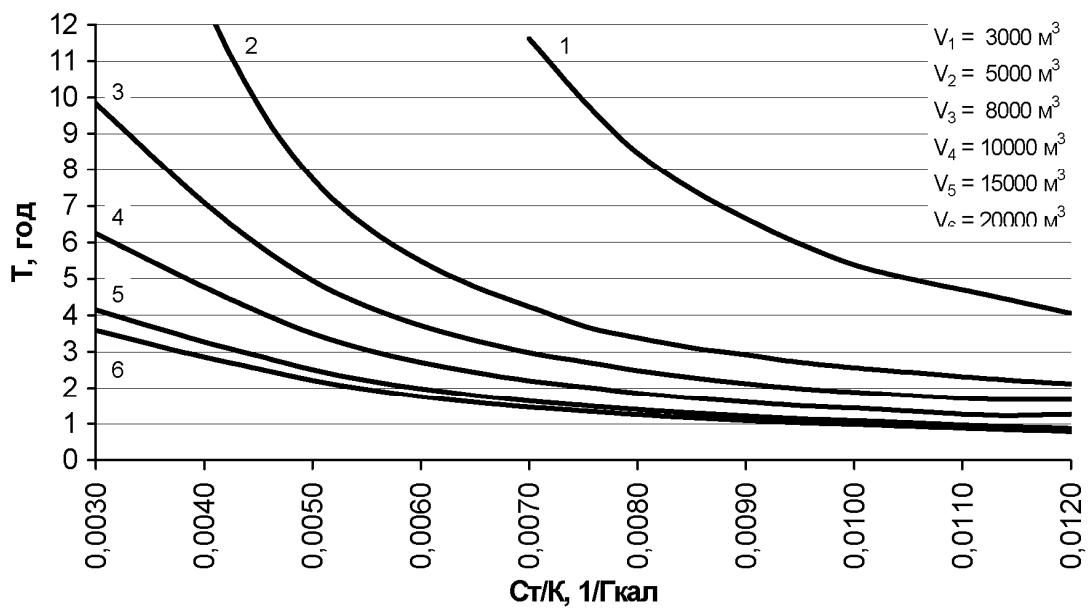
40000

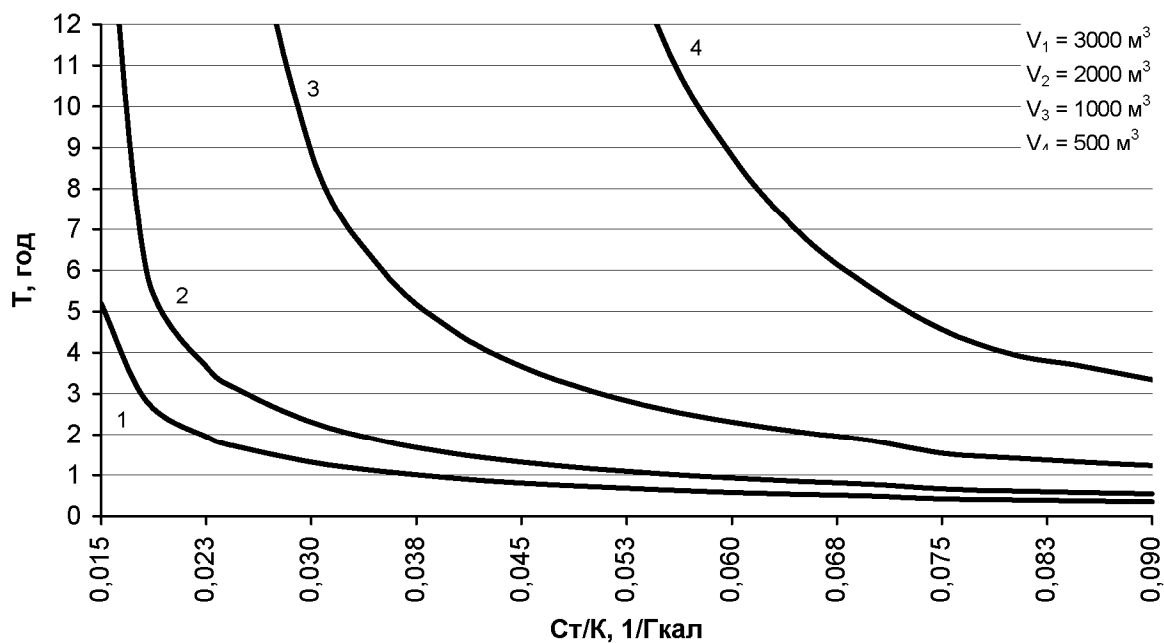
							
	0,05	0,1	0,15	0,25	0,37	0,65	1,15
	2	4	6	10	14,8	26	46
	32	40	50	80	100	100	150
	30	40	45	50	55	65	80



$Q = 1,15$

$\leq$





7.13. (L) (V)

7.13. (L) (V)

$\Delta = 4000$

$\Delta = 200/0,025 = 8000$