

ТРЪБОПРОВОДИ ЗА ВОДА

Режим отопление – 80/60oC  
 Температурна разлика: 20 °

Проект: Проект за саниране и енергийно обновяване на сградния фонд в София  
 Обект: БЛОК V, 34-23

Топлина	Дълж. L	Диаметър	К-м.съпр.	Скорост	R	R.L	Z	R.L+Z
Вт	м	мм	---	м/сек	ммвст/м	ммвст	ммвст	ммвст
<b>Вертикала I.</b>								
пом.3								
400	18.0	12.0	17.5	0.04	0.5	8.4	1.6	10.0
1420	9.0	12.0	6.5	0.15	4.3	38.7	7.5	46.2
2380	26.0	12.0	6.5	0.25	10.6	276.3	20.9	297.2
3700	12.0	12.0	16.5	0.39	23.0	276.0	128.4	404.4
6400	7.0	21.6	17.5	0.21	3.7	25.7	38.8	64.6
15700	6.0	27.2	2.5	0.32	5.9	35.5	13.3	48.8
23900	6.0	35.9	2.5	0.28	3.3	19.8	10.1	30.0
32100	6.0	35.9	2.5	0.38	5.5	33.2	18.3	51.5
40300	6.0	41.8	2.5	0.35	4.0	24.0	15.7	39.7
48500	6.0	41.8	2.5	0.42	5.5	33.2	22.7	55.9
56700	6.0	35.9	2.5	0.67	15.0	89.9	57.0	146.9
64900	6.0	53.0	2.5	0.35	3.0	17.9	15.7	33.6
74500	9.0	53.0	12.5	0.40	3.8	34.2	103.7	137.8
79300	18.0	53.0	5.0	0.43	4.2	76.2	47.0	123.2
146000	10.0	82.0	28.5	0.33	1.6	15.5	158.4	173.9
								<b>1663.8</b>
<b>Вертикала II.</b>								
пом.2								
400	18.0	12.0	17.5	0.04	0.5	8.4	1.6	10.0
1420	9.0	12.0	6.5	0.15	4.3	38.7	7.5	46.2
2700	26.0	12.0	6.5	0.29	13.3	344.6	26.9	371.5
4600	7.0	16.1	16.5	0.27	8.3	58.3	61.3	119.6
12400	6.0	27.2	17.5	0.25	3.9	23.5	58.0	81.4
19300	6.0	27.2	2.5	0.40	8.5	51.0	20.1	71.0
26200	6.0	35.9	2.5	0.31	3.9	23.3	12.2	35.5
33100	6.0	35.9	2.5	0.39	5.8	35.0	19.4	54.5
40000	6.0	35.9	2.5	0.47	8.1	48.8	28.4	77.2
46900	6.0	41.8	2.5	0.41	5.2	31.3	21.2	52.5
53800	6.0	41.8	2.5	0.47	6.6	39.8	27.9	67.7
61300	2.0	53.0	12.5	0.33	2.7	5.4	70.2	75.6
66100	11.0	53.0	5.0	0.36	3.1	33.9	32.6	66.5
146000	10.0	82.0	28.5	0.33	1.6	15.5	158.4	173.9
								1303.2
<b>Вертикала III.</b>								
ап. Б24								
400	18.0	12.0	17.5	0.04	0.5	8.4	1.6	10.0
1420	9.0	12.0	6.5	0.15	4.3	38.7	7.5	46.2
2380	26.0	12.0	6.5	0.25	10.6	276.3	20.9	297.2
3600	12.0	12.0	16.5	0.38	21.9	263.1	121.6	384.7
3600	7.0	16.1	17.5	0.21	5.4	38.0	39.8	77.8
6500	6.0	21.6	2.5	0.21	3.8	22.7	5.7	28.4

Топлина	Дълж. L	Диаметър	К-м.съпр.	Скорост	R	R.L	Z	R.L+Z
BT	М	ММ	---	М/сек	ММВСТ/М	ММВСТ	ММВСТ	ММВСТ
9400	6.0	21.6	2.5	0.31	7.2	43.3	12.0	55.2
12300	6.0	27.2	2.5	0.25	3.9	23.2	8.1	31.3
15200	6.0	27.2	2.5	0.31	5.6	33.6	12.4	46.0
18100	6.0	27.2	2.5	0.37	7.6	45.5	17.6	63.2
21000	6.0	35.9	2.5	0.25	2.6	15.8	7.8	23.6
24400	9.0	35.9	12.5	0.29	3.4	30.8	52.8	83.6
166000	5.0	60.0	5.0	0.70	8.6	42.8	125.3	168.1
250000	10.0	82.0	28.5	0.57	4.0	39.7	464.4	504.2
								1819.6
Вертикала IV.								
пом.4								
400	18.0	12.0	17.5	0.04	0.5	8.4	1.6	10.0
1420	9.0	12.0	6.5	0.15	4.3	38.7	7.5	46.2
3000	26.0	12.0	6.5	0.32	15.9	414.3	33.3	447.6
5300	7.0	21.6	16.5	0.17	2.6	18.5	25.1	43.6
11800	6.0	27.2	17.5	0.24	3.6	21.5	52.5	74.0
17700	6.0	27.2	2.5	0.36	7.3	43.8	16.9	60.7
23600	6.0	35.9	2.5	0.28	3.2	19.4	9.9	29.3
29500	6.0	35.9	2.5	0.35	4.8	28.7	15.4	44.1
35400	6.0	35.9	2.5	0.42	6.6	39.4	22.2	61.7
41300	6.0	41.8	2.5	0.36	4.2	25.1	16.5	41.5
47200	6.0	41.8	2.5	0.41	5.3	31.7	21.5	53.2
54700	2.0	41.8	12.5	0.48	6.8	13.7	144.4	158.1
142000	7.0	60.0	5.0	0.60	6.5	45.6	91.7	137.3
166000	5.0	60.0	2.5	0.70	8.6	42.8	62.7	105.5
250000	10.0	82.0	28.5	0.57	4.0	39.7	464.4	504.2
								1816.8
Вертикала V.								
пом.2								
400	18.0	12.0	17.5	0.04	0.5	8.4	1.6	10.0
1420	9.0	12.0	6.5	0.15	4.3	38.7	7.5	46.2
3000	26.0	12.0	6.5	0.32	15.9	414.3	33.3	447.6
5300	7.0	21.6	16.5	0.17	2.6	18.5	25.1	43.6
11800	6.0	27.2	17.5	0.24	3.6	21.5	52.5	74.0
17700	6.0	27.2	2.5	0.36	7.3	43.8	16.9	60.7
23600	6.0	35.9	2.5	0.28	3.2	19.4	9.9	29.3
29500	6.0	35.9	2.5	0.35	4.8	28.7	15.4	44.1
35400	6.0	35.9	2.5	0.42	6.6	39.4	22.2	61.7
41300	6.0	41.8	2.5	0.36	4.2	25.1	16.5	41.5
47200	6.0	41.8	2.5	0.41	5.3	31.7	21.5	53.2
53300	2.0	41.8	12.5	0.46	6.5	13.1	137.1	150.2
82400	30.0	53.0	2.5	0.45	4.5	135.9	25.4	161.3
142000	8.0	60.0	5.0	0.60	6.5	52.1	91.7	143.8
166000	5.0	60.0	2.5	0.70	8.6	42.8	62.7	105.5
250000	10.0	82.0	28.5	0.57	4.0	39.7	464.4	504.2
								1976.7
Вертикала VI.								
ап. А22								
400	18.0	12.0	17.5	0.04	0.5	8.4	1.6	10.0
1420	9.0	12.0	6.5	0.15	4.3	38.7	7.5	46.2
2380	26.0	12.0	6.5	0.25	10.6	276.3	20.9	297.2
3600	12.0	12.0	16.5	0.38	21.9	263.1	121.6	384.7

Топлина	Дълж. L	Диаметър	K-м.съпр.	Скорост	R	R.L	Z	R.L+Z
BT	М	ММ	---	М/сек	ММВСТ/М	ММВСТ	ММВСТ	ММВСТ
3600	7.0	16.1	17.5	0.21	5.4	38.0	39.8	77.8
6500	6.0	21.6	2.5	0.21	3.8	22.7	5.7	28.4
9400	6.0	21.6	2.5	0.31	7.2	43.3	12.0	55.2
12300	6.0	27.2	2.5	0.25	3.9	23.2	8.1	31.3
15200	6.0	27.2	2.5	0.31	5.6	33.6	12.4	46.0
18100	6.0	27.2	2.5	0.37	7.6	45.5	17.6	63.2
21000	6.0	35.9	2.5	0.25	2.6	15.8	7.8	23.6
24300	2.0	35.9	12.5	0.29	3.4	6.8	52.4	59.2
29100	6.0	35.9	2.5	0.34	4.7	28.0	15.0	43.0
82400	30.0	53.0	2.5	0.45	4.5	135.9	25.4	161.3
142000	8.0	60.0	5.0	0.60	6.5	52.1	91.7	143.8
166000	5.0	60.0	2.5	0.70	8.6	42.8	62.7	105.5
250000	10.0	82.0	28.5	0.57	4.0	39.7	464.4	504.2
								<b>2080.5</b>

**Окончателните напори на помпите да се уточнят след доставка на съоръженията.**