Оглавление

## S01\_full pressure df

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **system\_type** | **from\_branch** | **to\_branch** | **distance** | **flow** | **diameter** | **velocity** | **Reynolds** | **lamda** | **line\_pressure** | **full\_line\_pressure** | **dynamic\_pressure** | **k\_local\_pressure** | **full\_dynamic\_pressure** | **calculated\_pressure** | **additional\_pressure** | **full\_pressure** |
| ventilation | S01\_Этаж 01 | Этаж 01 | 10 | 9087.12 | 630 | 8.1 | 340268.93 | 0.02 | 0.95 | 9.51 | 39.55 | 1.3 | 51.41 | 60.92 | 554.18 | 615.1 |
| ventilation | S01\_Этаж 02 | Этаж 02 | 10 | 223.42 | 100 | 7.91 | 52705.83 | 0.02 | 7.86 | 78.64 | 37.66 | 1.3 | 48.96 | 127.59 | 148.18 | 275.77 |
| ventilation | Этаж 01 | Этаж 02 | 10 | 9087.12 | 630 | 8.1 | 340268.93 | 0.02 | 0.95 | 9.51 | 39.55 | 1.3 | 51.41 | 60.92 | 0.0 | 60.92 |
| ventilation | Этаж 02 | Этаж 03 | 10 | 9310.54 | 630 | 8.3 | 348634.94 | 0.02 | 0.99 | 9.94 | 41.51 | 1.3 | 53.97 | 63.91 | 0.0 | 63.91 |
| ventilation | Этаж 03 | Этаж 04 | 10 | 9310.54 | 630 | 8.3 | 348634.94 | 0.02 | 0.99 | 9.94 | 41.51 | 1.3 | 53.97 | 63.91 | 0.0 | 63.91 |

## S01\_Этаж 01\_main\_root

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S\_Name** | **from** | **to** | **distance** | **flow** | **diameter** | **velocity** | **Renolds** | **lambda** | **line\_pressure** | **dinamic\_pressure** | **full\_pressure** |
| Помещение | 837898 | 16 | 5.82 | 432.0 | 140 | 7.8 | 72793.45 | 0.02 | 5.13 | 36.65 | 66.51 |
| Помещение | 16 | 15 | 9.24 | 432.0 | 125 | 9.78 | 81528.66 | 0.02 | 8.87 | 57.67 | 139.57 |
| Помещение | 15 | 14 | 2.01 | 983.9 | 200 | 8.7 | 116053.31 | 0.02 | 4.14 | 45.65 | 53.97 |
| Помещение | 14 | 13 | 6.71 | 1367.9 | 225 | 9.56 | 143419.57 | 0.02 | 4.28 | 55.08 | 83.82 |
| Помещение | 13 | 12 | 8.53 | 3623.5 | 400 | 8.01 | 213700.17 | 0.02 | 1.58 | 38.69 | 52.19 |
| Помещение | 12 | 11 | 5.72 | 5479.7 | 450 | 9.58 | 287263.77 | 0.02 | 1.91 | 55.24 | 66.19 |
| Помещение | 11 | 10 | 6.21 | 5863.7 | 500 | 8.3 | 276654.87 | 0.02 | 1.3 | 41.5 | 49.59 |
| Помещение | 10 | 1cent | 2.95 | 9087.12 | 630 | 8.1 | 340268.93 | 0.02 | 0.95 | 39.55 | 42.35 |

## S01\_Этаж 01\_all\_roots

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S\_Name** | **from** | **to** | **distance** | **flow** | **diameter** | **velocity** | **Renolds** | **lambda** | **line\_pressure** | **dinamic\_pressure** | **full\_pressure** |
| Помещение | 837898 | 16 | 5.82 | 432.0 | 140 | 7.8 | 72793.45 | 0.02 | 5.13 | 36.65 | 66.51 |
| Помещение | 837897 | 15 | 5.86 | 551.9 | 160 | 7.63 | 81372.38 | 0.02 | 4.21 | 35.06 | 59.73 |
| Помещение | 837890 | 14 | 5.18 | 384.0 | 140 | 6.93 | 64705.29 | 0.02 | 4.13 | 28.96 | 50.35 |
| Помещение | 837899 | 13 | 0.31 | 2255.6 | 325 | 7.56 | 163725.12 | 0.02 | 1.81 | 34.4 | 34.96 |
| Помещение | 837896 | 12 | 6.07 | 1856.2 | 325 | 6.22 | 134734.24 | 0.02 | 1.27 | 23.3 | 30.99 |
| Помещение | 837894 | 11 | 6.32 | 384.0 | 140 | 6.93 | 64705.29 | 0.02 | 4.13 | 28.96 | 55.06 |
| Помещение | 837893 | 10 | 6.32 | 3223.42 | 400 | 7.13 | 190104.98 | 0.02 | 1.28 | 30.62 | 38.69 |
| Помещение | 16 | 15 | 9.24 | 432.0 | 125 | 9.78 | 81528.66 | 0.02 | 8.87 | 57.67 | 139.57 |
| Помещение | 15 | 14 | 2.01 | 983.9 | 200 | 8.7 | 116053.31 | 0.02 | 4.14 | 45.65 | 53.97 |
| Помещение | 14 | 13 | 6.71 | 1367.9 | 225 | 9.56 | 143419.57 | 0.02 | 4.28 | 55.08 | 83.82 |
| Помещение | 13 | 12 | 8.53 | 3623.5 | 400 | 8.01 | 213700.17 | 0.02 | 1.58 | 38.69 | 52.19 |
| Помещение | 12 | 11 | 5.72 | 5479.7 | 450 | 9.58 | 287263.77 | 0.02 | 1.91 | 55.24 | 66.19 |
| Помещение | 11 | 10 | 6.21 | 5863.7 | 500 | 8.3 | 276654.87 | 0.02 | 1.3 | 41.5 | 49.59 |
| Помещение | 10 | 1cent | 2.95 | 9087.12 | 630 | 8.1 | 340268.93 | 0.02 | 0.95 | 39.55 | 42.35 |

## S01\_Этаж 02\_main\_root

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S\_Name** | **from** | **to** | **distance** | **flow** | **diameter** | **velocity** | **Renolds** | **lambda** | **line\_pressure** | **dinamic\_pressure** | **full\_pressure** |
| Помещение | 837903 | 10 | 6.32 | 223.42 | 100 | 7.91 | 52705.83 | 0.02 | 7.86 | 37.66 | 87.35 |
| Помещение | 10 | 1cent | 2.95 | 223.42 | 100 | 7.91 | 52705.83 | 0.02 | 7.86 | 37.66 | 60.83 |

## S01\_Этаж 02\_all\_roots

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S\_Name** | **from** | **to** | **distance** | **flow** | **diameter** | **velocity** | **Renolds** | **lambda** | **line\_pressure** | **dinamic\_pressure** | **full\_pressure** |
| Помещение | 837903 | 10 | 6.32 | 223.42 | 100 | 7.91 | 52705.83 | 0.02 | 7.86 | 37.66 | 87.35 |
| Помещение | 10 | 1cent | 2.95 | 223.42 | 100 | 7.91 | 52705.83 | 0.02 | 7.86 | 37.66 | 60.83 |

## S02\_full pressure df

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **system\_type** | **from\_branch** | **to\_branch** | **distance** | **flow** | **diameter** | **velocity** | **Reynolds** | **lamda** | **line\_pressure** | **full\_line\_pressure** | **dynamic\_pressure** | **k\_local\_pressure** | **full\_dynamic\_pressure** | **calculated\_pressure** | **additional\_pressure** | **full\_pressure** |
| ventilation | S02\_Этаж 01 | Этаж 01 | 10 | 2930.1 | 325 | 9.82 | 212684.41 | 0.02 | 2.93 | 29.26 | 58.06 | 1.3 | 75.47 | 104.73 | 368.8 | 473.53 |
| ventilation | S02\_Этаж 02 | Этаж 02 | 10 | 6810.35 | 500 | 9.64 | 321318.71 | 0.02 | 1.71 | 17.12 | 55.98 | 1.3 | 72.78 | 89.9 | 601.68 | 691.58 |
| ventilation | S02\_Этаж 03 | Этаж 03 | 10 | 2259.37 | 325 | 7.57 | 163998.77 | 0.02 | 1.82 | 18.17 | 34.52 | 1.3 | 44.87 | 63.04 | 112.06 | 175.1 |
| ventilation | Этаж 01 | Этаж 02 | 10 | 2930.1 | 325 | 9.82 | 212684.41 | 0.02 | 2.93 | 29.26 | 58.06 | 1.3 | 75.47 | 104.73 | 0.0 | 104.73 |
| ventilation | Этаж 02 | Этаж 03 | 10 | 9740.45 | 630 | 8.68 | 364733.0 | 0.01 | 1.08 | 10.8 | 45.44 | 1.3 | 59.07 | 69.87 | 0.0 | 69.87 |
| ventilation | Этаж 03 | Этаж 04 | 10 | 11999.82 | 710 | 8.42 | 398706.18 | 0.01 | 0.89 | 8.88 | 42.75 | 1.3 | 55.57 | 64.46 | 0.0 | 64.46 |

## S02\_Этаж 01\_main\_root

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S\_Name** | **from** | **to** | **distance** | **flow** | **diameter** | **velocity** | **Renolds** | **lambda** | **line\_pressure** | **dinamic\_pressure** | **full\_pressure** |
| Помещение | 837891 | 11 | 6.65 | 657.2 | 180 | 7.18 | 86131.43 | 0.02 | 3.28 | 31.04 | 52.86 |
| Помещение | 11 | 10 | 34.39 | 657.2 | 160 | 9.08 | 96897.85 | 0.02 | 5.8 | 49.72 | 249.25 |
| Помещение | 10 | 1cent | 2.95 | 2930.1 | 325 | 9.82 | 212684.41 | 0.02 | 2.93 | 58.06 | 66.68 |

## S02\_Этаж 01\_all\_roots

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S\_Name** | **from** | **to** | **distance** | **flow** | **diameter** | **velocity** | **Renolds** | **lambda** | **line\_pressure** | **dinamic\_pressure** | **full\_pressure** |
| Помещение | 837891 | 11 | 6.65 | 657.2 | 180 | 7.18 | 86131.43 | 0.02 | 3.28 | 31.04 | 52.86 |
| Помещение | 837895 | 10 | 5.43 | 2272.9 | 325 | 7.61 | 164980.86 | 0.02 | 1.84 | 34.93 | 44.9 |
| Помещение | 11 | 10 | 34.39 | 657.2 | 160 | 9.08 | 96897.85 | 0.02 | 5.8 | 49.72 | 249.25 |
| Помещение | 10 | 1cent | 2.95 | 2930.1 | 325 | 9.82 | 212684.41 | 0.02 | 2.93 | 58.06 | 66.68 |

## S02\_Этаж 02\_main\_root

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S\_Name** | **from** | **to** | **distance** | **flow** | **diameter** | **velocity** | **Renolds** | **lambda** | **line\_pressure** | **dinamic\_pressure** | **full\_pressure** |
| Помещение | 837909 | 18 | 5.82 | 539.7 | 160 | 7.46 | 79573.6 | 0.02 | 4.04 | 33.53 | 57.08 |
| Помещение | 18 | 17 | 0.0 | 539.7 | 140 | 9.74 | 90941.26 | 0.02 | 7.71 | 57.2 | 57.2 |
| Помещение | 17 | 16 | 10.55 | 1047.72 | 200 | 9.27 | 123581.03 | 0.02 | 4.64 | 51.76 | 100.72 |
| Помещение | 16 | 15 | 2.4 | 1287.72 | 225 | 9.0 | 135012.97 | 0.02 | 3.83 | 48.81 | 58.03 |
| Помещение | 15 | 14 | 5.01 | 2391.72 | 325 | 8.01 | 173605.53 | 0.02 | 2.02 | 38.68 | 48.78 |
| Помещение | 14 | 13 | 5.04 | 4647.32 | 450 | 8.12 | 243627.69 | 0.02 | 1.41 | 39.73 | 46.86 |
| Помещение | 13 | 12 | 5.88 | 5079.32 | 450 | 8.88 | 266274.54 | 0.02 | 1.66 | 47.47 | 57.25 |
| Помещение | 12 | 11 | 3.33 | 6234.35 | 500 | 8.82 | 294142.49 | 0.02 | 1.46 | 46.92 | 51.77 |
| Помещение | 11 | 10 | 6.21 | 6618.35 | 500 | 9.37 | 312259.97 | 0.02 | 1.62 | 52.87 | 62.97 |
| Помещение | 10 | 1cent | 2.95 | 6810.35 | 500 | 9.64 | 321318.71 | 0.02 | 1.71 | 55.98 | 61.03 |

## S02\_Этаж 02\_all\_roots

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S\_Name** | **from** | **to** | **distance** | **flow** | **diameter** | **velocity** | **Renolds** | **lambda** | **line\_pressure** | **dinamic\_pressure** | **full\_pressure** |
| Помещение | 837909 | 18 | 5.82 | 539.7 | 160 | 7.46 | 79573.6 | 0.02 | 4.04 | 33.53 | 57.08 |
| Помещение | 837901 | 17 | 6.32 | 508.02 | 160 | 7.02 | 74902.69 | 0.02 | 3.62 | 29.71 | 52.58 |
| Помещение | 837900 | 16 | 6.32 | 240.0 | 125 | 5.44 | 45293.7 | 0.02 | 3.09 | 17.8 | 37.31 |
| Помещение | 837908 | 15 | 7.05 | 1104.0 | 225 | 7.72 | 115750.57 | 0.02 | 2.89 | 35.88 | 56.25 |
| Помещение | 837905 | 14 | 0.31 | 2255.6 | 325 | 7.56 | 163725.12 | 0.02 | 1.81 | 34.4 | 34.96 |
| Помещение | 837902 | 13 | 6.32 | 432.0 | 140 | 7.8 | 72793.45 | 0.02 | 5.13 | 36.65 | 69.05 |
| Помещение | 837907 | 12 | 6.66 | 1155.03 | 250 | 6.54 | 108990.8 | 0.02 | 1.89 | 25.77 | 38.33 |
| Помещение | 837904 | 11 | 6.32 | 384.0 | 140 | 6.93 | 64705.29 | 0.02 | 4.13 | 28.96 | 55.06 |
| Помещение | 837906 | 10 | 5.43 | 192.0 | 100 | 6.79 | 45293.7 | 0.02 | 6.03 | 27.81 | 60.56 |
| Помещение | 18 | 17 | 0.0 | 539.7 | 140 | 9.74 | 90941.26 | 0.02 | 7.71 | 57.2 | 57.2 |
| Помещение | 17 | 16 | 10.55 | 1047.72 | 200 | 9.27 | 123581.03 | 0.02 | 4.64 | 51.76 | 100.72 |
| Помещение | 16 | 15 | 2.4 | 1287.72 | 225 | 9.0 | 135012.97 | 0.02 | 3.83 | 48.81 | 58.03 |
| Помещение | 15 | 14 | 5.01 | 2391.72 | 325 | 8.01 | 173605.53 | 0.02 | 2.02 | 38.68 | 48.78 |
| Помещение | 14 | 13 | 5.04 | 4647.32 | 450 | 8.12 | 243627.69 | 0.02 | 1.41 | 39.73 | 46.86 |
| Помещение | 13 | 12 | 5.88 | 5079.32 | 450 | 8.88 | 266274.54 | 0.02 | 1.66 | 47.47 | 57.25 |
| Помещение | 12 | 11 | 3.33 | 6234.35 | 500 | 8.82 | 294142.49 | 0.02 | 1.46 | 46.92 | 51.77 |
| Помещение | 11 | 10 | 6.21 | 6618.35 | 500 | 9.37 | 312259.97 | 0.02 | 1.62 | 52.87 | 62.97 |
| Помещение | 10 | 1cent | 2.95 | 6810.35 | 500 | 9.64 | 321318.71 | 0.02 | 1.71 | 55.98 | 61.03 |

## S02\_Этаж 03\_main\_root

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S\_Name** | **from** | **to** | **distance** | **flow** | **diameter** | **velocity** | **Renolds** | **lambda** | **line\_pressure** | **dinamic\_pressure** | **full\_pressure** |
| Помещение | 837915 | 10 | 0.31 | 2259.37 | 325 | 7.57 | 163998.77 | 0.02 | 1.82 | 34.52 | 35.08 |
| Помещение | 10 | 1cent | 23.37 | 2259.37 | 325 | 7.57 | 163998.77 | 0.02 | 1.82 | 34.52 | 76.98 |

## S02\_Этаж 03\_all\_roots

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S\_Name** | **from** | **to** | **distance** | **flow** | **diameter** | **velocity** | **Renolds** | **lambda** | **line\_pressure** | **dinamic\_pressure** | **full\_pressure** |
| Помещение | 837915 | 10 | 0.31 | 2259.37 | 325 | 7.57 | 163998.77 | 0.02 | 1.82 | 34.52 | 35.08 |
| Помещение | 10 | 1cent | 23.37 | 2259.37 | 325 | 7.57 | 163998.77 | 0.02 | 1.82 | 34.52 | 76.98 |