

**Vjerojatnost pojave jednog požara u naselju, s gašenjem u dvije faze:**

1. **Faza: lokalizacija požara u trajanju od jednog sata s dva hidranta**
2. **Faza: likvidacija požara u trajanju od dva sata s jednim hidrantom**

**Nazivni promjer hidranta je 80 mm. Izdašnost hidranta traba biti 3 l/s, a najmanji dinamički tlak na hidrantu 2,5 bara.**







|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tabl.1 | *Proračun korisnog volumena vodospreme* |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **Sati** |   |  **Potrošnja** |   | **Dotok** | **Višak** | **Manjak** | **Volumen vode** |
|   | **%** | Stanovnici | Industrija | Ukupno |  | **dotoka** | **dotoka** | **u vodospremi** |
| od-do |   | m3/h | m3/h | m3/h | m3 | m3 | m3 | m3 |
| 0-1 | 1 | 148.5 | 36 | 184.5 | 676.35 | 491.85 |   | 491.85 |
| 1-2 | 1 | 148.5 | 36 | 184.5 | 676.35 | 491.85 |   | 983.7 |
| 2-3 | 1 | 148.5 | 36 | 184.5 | 676.35 | 491.85 |   | 1475.55 |
| 3-4 | 2 | 297 | 36 | 333 | 676.35 | 343.35 |   | 1818.9 |
| 4-5 | 3 | 445.5 | 36 | 481.5 | 676.35 | 194.85 |   | **2013.75** |
| 5-6 | 5 | 742.5 | 36 | 778.5 | 676.35 |   | 102.15 | 1911.6 |
| 6-7 | 5 | 742.5 | 79.2 | 821.7 | 676.35 |   | 145.35 | 1766.25 |
| 7-8 | 6 | 891 | 79.2 | 970.2 | 676.35 |   | 293.85 | 1472.4 |
| 8-9 | 4 | 594 | 79.2 | 673.2 | 676.35 | 3.15 |   | 1475.55 |
| 9-10 | 4 | 594 | 79.2 | 673.2 | 676.35 | 3.15 |   | 1478.7 |
| 10-11 | 4 | 594 | 79.2 | 673.2 | 676.35 | 3.15 |   | 1481.85 |
| 11-12 | 5 | 742.5 | 79.2 | 821.7 | 676.35 |   | 145.35 | 1336.5 |
| 12-13 | 6 | 891 | 79.2 | 970.2 | 676.35 |   | 293.85 | 1042.65 |
| 13-14 | 7 | 1039.5 | 79.2 | 1118.7 | 676.35 |   | 442.35 | 600.3 |
| 14-15 | 7 | 1039.5 | 57.6 | 1097.1 | 676.35 |   | 420.75 | 179.55 |
| 15-16 | 6 | 891 | 57.6 | 948.6 | 676.35 |   | 272.25 | -92.7 |
| 16-17 | 4 | 594 | 57.6 | 651.6 | 676.35 | 24.75 |   | -67.95 |
| 17-18 | 4 | 594 | 57.6 | 651.6 | 676.35 | 24.75 |   | -43.2 |
| 18-19 | 4 | 594 | 57.6 | 651.6 | 676.35 | 24.75 |   | -18.45 |
| 19-20 | 5 | 742.5 | 57.6 | 800.1 | 676.35 |   | 123.75 | -142.2 |
| 20-21 | 6 | 891 | 57.6 | 948.6 | 676.35 |   | 272.25 | -414.45 |
| 21-22 | 5 | 742.5 | 57.6 | 800.1 | 676.35 |   | 123.75 | -538.2 |
| 22-23 | 3 | 445.5 | 36 | 481.5 | 676.35 | 194.85 |   | -343.35 |
| 23-24 | 2 | 297 | 36 | 333 | 676.35 | 343.35 |   | 0 |
| **24 h** | **100** | **14850** | **1382.4** | **16232.4** | **16232.4** |   |   |   |



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| --- | --- | --- | --- | --- | --- |
| Tabl.1 | *Proračun korisnog volumena vodospreme* |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **Sati** |   |  **Potrošnja** |   | **Dotok** | **Višak** | **Manjak** | **Volumen vode** |
|   | **%** | Stanovnici | Industrija | Ukupno |  | **dotoka** | **dotoka** | **u vodospremi** |
| od-do |   | m3/h | m3/h | m3/h | m3 | m3 | m3 | m3 |
| 0-1 |   |   |   |   |   |   |   |   |
| 1-2 |   |   |   |   |   |   |   |   |
| 2-3 |   |   |   |   |   |   |   |   |
| 3-4 |   |   |   |   |   |   |   |   |
| 4-5 |   |   |   |   |   |   |   |  |
| 5-6 |   |   |   |   |   |   |   |   |
| 6-7 |   |   |   |   |   |   |   |   |
| 7-8 |   |   |   |   |   |   |   |   |
| 8-9 |   |   |   |   |   |   |   |   |
| 9-10 |   |   |   |   |   |   |   |   |
| 10-11 |   |   |   |   |   |   |   |   |
| 11-12 |   |   |   |   |   |   |   |   |
| 12-13 |   |   |   |   |   |   |   |   |
| 13-14 |   |   |   |   |   |   |   |   |
| 14-15 |   |   |   |   |   |   |   |   |
| 15-16 |   |   |   |   |   |   |   |   |
| 16-17 |   |   |   |   |   |   |   |   |
| 17-18 |   |   |   |   |   |   |   |   |
| 18-19 |   |   |   |   |   |   |   |   |
| 19-20 |   |   |   |   |   |   |   |   |
| 20-21 |   |   |   |   |   |   |   |   |
| 21-22 |   |   |   |   |   |   |   |   |
| 22-23 |   |   |   |   |   |   |   |   |
| 23-24 |   |   |   |   |   |   |   |   |
| **24 h** |  |  |  |  |  |   |   |   |