|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ***Pierderi de sarcină 1***  **Date initiale** |  | | | | | | |
| Debit (Q) | m3/hr | 6.6 | 0.00183 m3/s | |  | |  |
| Diametru Interior (D) | mm | 25 | 0.025 m | |  | |  |
| Viscozitate Cinematica (ν) | cSt | 0.5541 | 5.541E-07 m2/s | |  | |  |
| Duritate Specifica (Є) | m | 2.00E-04 |  | |  | |  |
| Lungime Tronson (L) | m | 0.45 |  | |  | |  |
| **Date Calculate** |  |  |  | |  | |  |
| Viteza medie - V (m/s) |  | 3.73 |  | |  | |  |
| Numarul lui Reynolds |  | 168509 |  | |  | |  |
| Factor de frictiune |  | 0.036 |  | |  | |  |
| **Pierderi de presiune liniare (m)** |  | **0.46** |  | |  | | **1.45** |
| **Pierderile de presiune locale** |  |  |  | |  | |  |
|  |  | **K** | **Buc.** | **Subtot** |  | **l K** | |
| Valva Inclinata |  | 5 | 0 | 0 |  |  |  |
| Valva Globulara |  | 0.05 | 0 | 0 |  |  |  |
| Valva Fluture |  | 0.6 | 0 | 0 |  |  |  |
| Valva de Verificare |  | 2.3 | 0 | 0 |  |  |  |
| Cot 45 Grade |  | 0.4 | 0 | 0 |  |  |  |
| Cot 90 Grade, Raza Mare |  | 0.6 | 0 | 0 |  |  |  |
| Cot 90 Grade, Standard |  | 0.9 | 1 | 0.9 |  |  |  |
| Debitmetru |  | 7 | 0 | 0 |  |  |  |
| Valva Picior |  | 0.9 | 0 | 0 |  |  |  |
| Valva Plana |  | 0.2 | 0 | 0 |  |  |  |
| Robinet sferic |  | 0.5 | 1 | 0.5 |  |  |  |
| Intrare Teava, orientata in jos |  | 1 | 0 | 0 |  |  |  |
| Intrare Teava, Muchie Ascutita |  | 0.5 | 0 | 0 |  |  |  |
| Iesire Teava |  | 1 | 0 | 0 |  |  |  |
| Teu, Standard, Curgere Dreapta |  | 1.8 | 0 | 0 |  |  |  |
| Teu, Standard, Curgere 90 Grade |  | 0.6 | 0 | 0 |  |  |  |
|  | | |  | **1.4** |  |  |  |
| **Pierderi de Presiune Locale (m)** | **1.00** | |  | | | | |
| **Pierderi de presiune pe duza [bar]** | **0.40** | | **TOTAL 0.543** bar | | | | |

**a**