

## Потери напора

| Q, л/с | DN 80          |                |        | Q, л/с | DN 100         |                |        |
|--------|----------------|----------------|--------|--------|----------------|----------------|--------|
|        | j, м/км        |                | V, м/с |        | j, м/км        |                | V, м/с |
|        | k = 0,03<br>мм | k = 0,10<br>мм |        |        | k = 0,03<br>мм | k = 0,10<br>мм |        |
| 2,60   | 4,121          | 4,480          | 0,52   | 4,00   | 3,039          | 3,289          | 0,51   |
| 2,80   | 4,709          | 5,138          | 0,56   | 4,20   | 3,318          | 3,600          | 0,53   |
| 3,00   | 5,333          | 5,838          | 0,60   | 4,40   | 3,609          | 3,923          | 0,56   |
| 3,20   | 5,992          | 6,582          | 0,64   | 4,60   | 3,911          | 4,261          | 0,59   |
| 3,40   | 6,686          | 7,369          | 0,68   | 4,80   | 4,223          | 4,611          | 0,61   |
| 3,60   | 7,415          | 8,198          | 0,72   | 5,00   | 4,547          | 4,975          | 0,64   |
| 3,80   | 8,180          | 9,069          | 0,76   | 5,20   | 4,882          | 5,352          | 0,66   |
| 4,00   | 8,978          | 9,984          | 0,80   | 5,40   | 5,228          | 5,743          | 0,69   |
| 4,20   | 9,812          | 10,940         | 0,84   | 5,60   | 5,585          | 6,146          | 0,71   |
| 4,40   | 10,679         | 11,940         | 0,88   | 5,80   | 5,952          | 6,563          | 0,74   |
| 4,60   | 11,581         | 12,981         | 0,92   | 6,00   | 6,381          | 6,993          | 0,76   |
| 4,80   | 12,517         | 14,065         | 0,95   | 6,20   | 6,720          | 7,436          | 0,79   |
| 5,00   | 13,487         | 15,191         | 0,99   | 6,40   | 7,120          | 7,893          | 0,81   |
| 5,20   | 14,491         | 16,359         | 1,03   | 6,60   | 7,531          | 8,362          | 0,84   |
| 5,40   | 15,528         | 17,570         | 1,07   | 6,80   | 7,953          | 8,845          | 0,87   |
| 5,60   | 16,509         | 18,823         | 1,11   | 7,00   | 8,385          | 9,341          | 0,89   |
| 5,80   | 17,704         | 20,118         | 1,15   | 7,20   | 8,828          | 9,850          | 0,92   |
| 6,00   | 18,842         | 21,455         | 1,19   | 7,40   | 9,282          | 10,372         | 0,94   |
| 6,20   | 20,013         | 22,834         | 1,23   | 7,60   | 8,746          | 10,907         | 0,97   |
| 6,40   | 21,218         | 24,256         | 1,27   | 7,80   | 10,221         | 11,456         | 0,99   |
| 6,60   | 22,456         | 25,719         | 1,31   | 8,00   | 10,706         | 12,017         | 1,02   |
| 6,80   | 23,727         | 27,225         | 1,35   | 8,20   | 11,202         | 12,592         | 1,04   |
| 7,00   | 25,032         | 28,772         | 1,39   | 8,40   | 11,780         | 13,180         | 1,07   |
| 7,20   | 26,369         | 30,362         | 1,43   | 8,60   | 12,225         | 13,781         | 1,09   |
| 7,40   | 27,739         | 30,994         | 1,47   | 8,80   | 12,753         | 14,394         | 1,12   |
| 7,60   | 29,143         | 33,668         | 1,51   | 9,00   | 13,291         | 15,021         | 1,15   |
| 7,80   | 30,579         | 35,383         | 1,55   | 9,20   | 12,839         | 15,661         | 1,17   |
| 8,00   | 32,048         | 37,141         | 1,59   | 9,40   | 14,398         | 16,315         | 1,20   |
| 8,20   | 33,550         | 38,941         | 1,63   | 9,60   | 14,968         | 16,981         | 1,22   |
| 8,40   | 35,084         | 40,782         | 1,67   | 9,80   | 15,547         | 17,660         | 1,25   |
| 8,60   | 36,652         | 42,666         | 1,71   | 10,00  | 16,137         | 18,352         | 1,27   |

Продолжение таблицы 5.6

| 8,80   | 38,252         | 44,592         | 1,75   | 10,50  | 17,658         | 20,140         | 1,34   |
|--------|----------------|----------------|--------|--------|----------------|----------------|--------|
| 9,00   | 39,885         | 46,559         | 1,79   | 11,00  | 19,244         | 22,010         | 1,40   |
| 9,20   | 41,550         | 48,569         | 1,83   | 11,50  | 20,894         | 23,961         | 1,46   |
| 9,40   | 43,248         | 50,620         | 1,87   | 12,00  | 22,608         | 25,993         | 1,53   |
| 9,60   | 44,979         | 52,714         | 1,91   | 12,50  | 24,387         | 28,107         | 1,59   |
| 9,80   | 46,742         | 54,849         | 1,95   | 13,00  | 26,230         | 30,302         | 1,66   |
| 10,00  | 48,557         | 57,027         | 1,99   | 13,50  | 28,136         | 32,579         | 1,72   |
| 10,50  | 53,168         | 62,654         | 2,09   | 14,00  | 30,107         | 34,937         | 1,78   |
| 11,00  | 58,002         | 68,542         | 2,19   | 14,50  | 32,141         | 37,376         | 1,85   |
| 11,50  | 63,037         | 74,693         | 2,29   | 16,50  | 40,914         | 47,947         | 2,10   |
| 12,00  | 68,275         | 81,105         | 2,39   | 18,50  | 50,699         | 59,817         | 2,36   |
| 12,50  | 73,714         | 87,780         | 2,49   | 20,50  | 61,493         | 72,987         | 2,61   |
| 13,00  | 79,354         | 94,716         | 2,59   | 22,50  | 73,291         | 87,456         | 2,86   |
| 13,50  | 85,196         | 101,914        | 2,69   |        |                |                |        |
| 14,00  | 91,259         | 109,374        | 2,79   |        |                |                |        |
| 14,50  | 97482          | 117,095        | 2,88   |        |                |                |        |
| Q, л/с | DN 125         |                |        | Q, л/с | DN 150         |                |        |
|        | j, м/км        |                | V, м/с |        | j, м/км        |                | V, м/с |
|        | k = 0,03<br>мм | k = 0,10<br>мм |        |        | k = 0,03<br>мм | k = 0,10<br>мм |        |
| 7,00   | 2,832          | 3,070          | 0,57   | 9,00   | 1,844          | 1,984          | 0,51   |
| 7,50   | 3,209          | 3,490          | 0,61   | 9,50   | 2,034          | 2,193          | 0,54   |
| 8,00   | 3,607          | 3,936          | 0,65   | 10,00  | 2,252          | 2,412          | 0,57   |
| 8,50   | 4,027          | 4,408          | 0,69   | 10,50  | 2,438          | 2,641          | 0,59   |
| 9,00   | 4,469          | 4,906          | 0,73   | 11,00  | 2,653          | 2,880          | 0,62   |
| 9,50   | 4,931          | 5,429          | 0,77   | 11,50  | 2,876          | 3,120          | 0,65   |
| 10,00  | 5,415          | 5,977          | 0,81   | 12,00  | 3,107          | 3,388          | 0,68   |
| 10,50  | 5,920          | 6,552          | 0,86   | 12,50  | 3,347          | 3,656          | 0,71   |
| 11,00  | 6,445          | 7,151          | 0,90   | 13,00  | 3,595          | 3,935          | 0,74   |
| 11,50  | 6,992          | 7,777          | 0,94   | 13,50  | 3,852          | 4,224          | 0,76   |
| 12,00  | 7,559          | 8,428          | 0,98   | 14,00  | 4,116          | 4,522          | 0,79   |
| 12,50  | 8,147          | 9,104          | 1,02   | 14,50  | 4,389          | 4,830          | 0,82   |
| 13,00  | 8,756          | 9,806          | 1,06   | 15,00  | 4,669          | 5,149          | 0,85   |
| 13,00  | 9,385          | 10,533         | 1,10   | 15,50  | 4,958          | 5,477          | 0,88   |
| 14,00  | 10,035         | 11,285         | 1,14   | 16,00  | 5,255          | 5,814          | 0,91   |
| 14,50  | 10,705         | 12,063         | 1,18   | 16,50  | 5,560          | 6,162          | 0,93   |
| 15,00  | 11,396         | 12,867         | 1,22   | 17,00  | 5,873          | 6,519          | 0,96   |
| 15,50  | 12,107         | 13,695         | 1,26   | 17,50  | 6,194          | 6,887          | 0,99   |
| 16,00  | 12,838         | 14,549         | 1,30   | 18,00  | 6,523          | 7,264          | 1,02   |
| 16,50  | 13,590         | 15,429         | 1,34   | 18,50  | 6,863          | 7,651          | 1,05   |
| 17,00  | 14,362         | 16,333         | 1,39   | 19,00  | 7,206          | 8,047          | 1,08   |
| 17,50  | 15,154         | 17,263         | 1,43   | 19,50  | 7,559          | 8,454          | 1,10   |
| 18,00  | 15,960         | 18,219         | 1,47   | 20,00  | 7,920          | 8,870          | 1,13   |
| 18,50  | 16,799         | 19,199         | 1,51   | 20,50  | 8,289          | 9,296          | 1,16   |
| 19,00  | 17,651         | 20,205         | 1,55   | 21,00  | 8,665          | 9,732          | 1,19   |
| 19,50  | 18,524         | 21,237         | 1,59   | 21,50  | 9,050          | 10,177         | 1,22   |
| 20,00  | 19,416         | 22,293         | 1,63   | 22,00  | 9,443          | 10,633         | 1,24   |
| 20,50  | 20,329         | 23,375         | 1,67   | 22,50  | 9,843          | 11,098         | 1,27   |
| 21,00  | 21,262         | 24,482         | 1,71   | 23,00  | 10,252         | 11,573         | 1,30   |

Продолжение таблицы 5.6

|        |                |                |        |        |                |                |        |
|--------|----------------|----------------|--------|--------|----------------|----------------|--------|
| 21,50  | 22,214         | 25,614         | 1,75   | 23,50  | 10,668         | 12,057         | 1,33   |
| 22,00  | 23,187         | 26,772         | 1,79   | 24,00  | 11,092         | 12,552         | 1,36   |
| 22,50  | 24,180         | 27,955         | 1,83   | 26,00  | 12,867         | 14,627         | 1,47   |
| 23,00  | 25,192         | 29,163         | 1,87   | 28,00  | 14,766         | 16,857         | 1,58   |
| 23,50  | 26,224         | 30,397         | 1,91   | 30,00  | 16,790         | 19,244         | 1,70   |
| 24,00  | 27,277         | 31,655         | 1,96   | 32,00  | 18,937         | 21,787         | 1,81   |
| 26,00  | 31,684         | 36,942         | 2,12   | 34,00  | 21,208         | 24,485         | 1,92   |
| 28,00  | 36,408         | 42,633         | 2,28   | 36,00  | 23,602         | 27,339         | 2,04   |
| 30,00  | 41,448         | 48,728         | 2,44   | 38,00  | 26,119         | 30,348         | 2,15   |
| 32,00  | 46,802         | 55,226         | 2,61   | 40,00  | 28,758         | 33,513         | 2,26   |
| 34,00  | 52,474         | 62,128         | 2,77   | 42,00  | 31,520         | 36,833         | 2,38   |
| 36,00  | 58,454         | 69,432         | 2,93   | 44,00  | 34,404         | 40,309         | 2,49   |
|        |                |                |        | 46,00  | 37,409         | 43,940         | 2,60   |
|        |                |                |        | 48,00  | 40,537         | 47,726         | 2,72   |
|        |                |                |        | 50,00  | 43,786         | 51,668         | 2,83   |
| Q, л/с | DN 200         |                |        | Q, л/с | DN 250         |                |        |
|        | j, м/км        |                | V, м/с |        | j, м/км        |                | V, м/с |
|        | k = 0,03<br>мм | k = 0,10<br>мм |        |        | k = 0,10<br>мм | k = 0,10<br>мм |        |
| 16,00  | 1,297          | 1,389          | 0,51   | 30,00  | 1,377          | 1,483          | 0,61   |
| 16,50  | 1,371          | 1,471          | 0,53   | 32,00  | 1,549          | 1,673          | 0,65   |
| 17,00  | 1,448          | 1,555          | 0,54   | 34,00  | 1,730          | 1,874          | 0,69   |
| 17,50  | 1,526          | 1,641          | 0,56   | 36,00  | 1,921          | 2,086          | 0,73   |
| 18,00  | 1,606          | 1,729          | 0,57   | 38,00  | 2,121          | 2,309          | 0,77   |
| 18,50  | 1,688          | 1,820          | 0,59   | 40,00  | 2,330          | 2,543          | 0,81   |
| 19,00  | 1,772          | 1,913          | 0,60   | 42,00  | 2,549          | 2,788          | 0,86   |
| 19,50  | 1,858          | 2,008          | 0,62   | 44,00  | 2,776          | 3,044          | 0,90   |
| 20,00  | 1,945          | 2,105          | 0,64   | 46,00  | 3,013          | 3,310          | 0,94   |
| 20,50  | 2,035          | 2,204          | 0,65   | 48,00  | 3,258          | 3,588          | 0,98   |
| 21,00  | 2,126          | 2,306          | 0,67   | 50,00  | 3,513          | 3,876          | 1,02   |
| 21,50  | 2,219          | 2,410          | 0,68   | 52,00  | 3,776          | 4,176          | 1,06   |
| 22,00  | 2,314          | 2,516          | 0,70   | 54,00  | 4,049          | 4,486          | 1,10   |
| 22,50  | 2,411          | 2,624          | 0,72   | 56,00  | 4,331          | 4,807          | 1,14   |
| 23,00  | 2,510          | 2,734          | 0,73   | 58,00  | 4,621          | 5,139          | 1,18   |
| 23,50  | 2,611          | 2,847          | 0,75   | 60,00  | 4,920          | 5,482          | 1,22   |
| 24,00  | 2,713          | 2,962          | 0,76   | 62,00  | 5,229          | 5,836          | 1,26   |
| 26,00  | 3,141          | 3,443          | 0,83   | 64,00  | 5,546          | 6,200          | 1,30   |
| 28,00  | 3,599          | 3,959          | 0,89   | 66,00  | 5,872          | 6,575          | 1,34   |
| 30,00  | 4,085          | 4,510          | 0,95   | 68,00  | 6,207          | 6,961          | 1,39   |
| 32,00  | 4,600          | 5,096          | 1,02   | 70,00  | 6,550          | 7,358          | 1,43   |
| 34,00  | 5,144          | 5,717          | 1,08   | 72,00  | 6,902          | 7,776          | 1,47   |
| 36,00  | 5,717          | 6,372          | 1,15   | 74,00  | 7,264          | 8,185          | 1,51   |
| 38,00  | 6,317          | 7,063          | 1,21   | 76,00  | 7,634          | 8,614          | 1,55   |
| 40,00  | 6,946          | 7,788          | 1,27   | 78,00  | 8,012          | 9,054          | 1,59   |
| 42,00  | 7,604          | 8,548          | 1,34   | 80,00  | 8,400          | 9,505          | 1,63   |
| 44,00  | 8,289          | 9,342          | 1,40   | 85,00  | 9,406          | 10,680         | 1,73   |
| 46,00  | 9,003          | 10,172         | 1,46   | 90,00  | 10,467         | 11,922         | 1,83   |
| 48,00  | 9,744          | 11,035         | 1,53   | 95,00  | 11,583         | 13,232         | 1,94   |
| 50,00  | 10,514         | 11,934         | 1,59   | 100,00 | 12,752         | 14,609         | 2,04   |

Продолжение таблицы 5.6

| 55,00  | 12,559         | 14,332         | 1,75   | 105,00 | 13,976         | 16,053         | 2,14   |
|--------|----------------|----------------|--------|--------|----------------|----------------|--------|
| 60,00  | 14,777         | 16,946         | 1,91   | 110,00 | 15,253         | 17,565         | 2,24   |
| 65,00  | 17,168         | 19,777         | 2,07   | 115,00 | 16,584         | 19,144         | 2,34   |
| 70,00  | 19,731         | 22,823         | 2,23   | 120,00 | 17,969         | 20,790         | 2,44   |
| 75,00  | 22,465         | 26,085         | 2,39   | 125,00 | 19,407         | 22,504         | 2,55   |
| 80,00  | 25,370         | 29,564         | 2,55   | 130,00 | 20,899         | 24,285         | 2,65   |
| 85,00  | 28,446         | 33,258         | 2,71   | 135,00 | 22,444         | 26,134         | 2,75   |
| 90,00  | 31,692         | 37,167         | 2,86   | 140,00 | 24,043         | 28,049         | 2,85   |
|        |                |                |        | 145,00 | 25,695         | 30,032         | 2,95   |
| Q, л/с | DN 300         |                |        | Q, л/с | DN 350         |                |        |
|        | j, м/км        |                | V, м/с |        | j, м/км        |                | V, м/с |
|        | k = 0,03<br>мм | k = 0,10<br>мм |        |        | k = 0,03<br>мм | k = 0,10<br>мм |        |
| 36,00  | 0,792          | 0,844          | 0,51   | 50,00  | 0,682          | 0,726          | 0,52   |
| 38,00  | 0,874          | 0,934          | 0,54   | 52,00  | 0,732          | 0,781          | 0,54   |
| 40,00  | 0,960          | 1,027          | 0,57   | 54,00  | 0,785          | 0,838          | 0,56   |
| 42,00  | 1,049          | 1,125          | 0,59   | 56,00  | 0,838          | 0,897          | 0,58   |
| 44,00  | 1,142          | 1,227          | 0,62   | 58,00  | 0,894          | 0,958          | 0,60   |
| 46,00  | 1,238          | 1,334          | 0,65   | 60,00  | 0,951          | 1,021          | 0,62   |
| 48,00  | 1,339          | 1,445          | 0,68   | 62,00  | 1,010          | 1,085          | 0,64   |
| 50,00  | 1,442          | 1,559          | 0,71   | 64,00  | 1,070          | 1,152          | 0,67   |
| 52,00  | 1,550          | 1,679          | 0,74   | 66,00  | 1,132          | 1,220          | 0,69   |
| 54,00  | 1,661          | 1,802          | 0,76   | 68,00  | 1,196          | 1,290          | 0,71   |
| 56,00  | 1,776          | 1,930          | 0,79   | 70,00  | 1,261          | 1,363          | 0,73   |
| 58,00  | 1,894          | 2,062          | 0,82   | 72,00  | 1,328          | 1,437          | 0,75   |
| 60,00  | 2,016          | 2,198          | 0,85   | 74,00  | 1,397          | 1,513          | 0,77   |
| 62,00  | 2,141          | 2,338          | 0,88   | 76,00  | 1,467          | 1,591          | 0,79   |
| 64,00  | 2,270          | 2,483          | 0,91   | 78,00  | 1,539          | 1,670          | 0,81   |
| 66,00  | 2,402          | 2,631          | 0,93   | 80,00  | 1,612          | 1,752          | 0,83   |
| 68,00  | 2,538          | 2,784          | 0,96   | 85,00  | 1,802          | 1,965          | 0,88   |
| 70,00  | 2,667          | 2,942          | 0,99   | 90,00  | 2,002          | 2,189          | 0,94   |
| 72,00  | 2,820          | 3,103          | 1,02   | 95,00  | 2,213          | 2,425          | 0,99   |
| 74,00  | 2,967          | 3,269          | 1,05   | 100,00 | 2,433          | 2,673          | 1,04   |
| 76,00  | 3,116          | 3,438          | 1,08   | 105,00 | 2,662          | 2,932          | 1,09   |
| 78,00  | 3,270          | 3,612          | 1,10   | 110,00 | 2,902          | 3,204          | 1,14   |
| 80,00  | 3,427          | 3,790          | 1,13   | 115,00 | 3,151          | 3,487          | 1,20   |
| 85,00  | 3,834          | 4,254          | 1,20   | 120,00 | 3,410          | 3,782          | 1,25   |
| 90,00  | 4,262          | 4,744          | 1,27   | 125,00 | 3,679          | 4,098          | 1,30   |
| 95,00  | 4,713          | 5,260          | 1,34   | 130,00 | 3,957          | 4,406          | 1,35   |
| 100,00 | 5,184          | 5,802          | 1,41   | 135,00 | 4,245          | 4,736          | 1,40   |
| 105,00 | 5,677          | 6,371          | 1,49   | 140,00 | 4,542          | 5,078          | 1,46   |
| 110,00 | 6,192          | 6,965          | 1,56   | 145,00 | 4,849          | 5,431          | 1,51   |
| 115,00 | 6,727          | 7,586          | 1,63   | 150,00 | 5,166          | 5,796          | 1,56   |
| 120,00 | 7,284          | 8,232          | 1,70   | 155,00 | 5,492          | 6,173          | 1,61   |
| 125,00 | 7,862          | 8,905          | 1,77   | 160,00 | 5,828          | 6,561          | 1,66   |
| 130,00 | 8,460          | 9,604          | 1,84   | 165,00 | 6,173          | 6,961          | 1,71   |
| 135,00 | 9,080          | 10,329         | 1,91   | 170,00 | 6,528          | 7,373          | 1,77   |
| 140,00 | 9,721          | 11,080         | 1,98   | 175,00 | 6,892          | 7,796          | 1,82   |
| 145,00 | 10,383         | 11,856         | 2,05   | 180,00 | 7,266          | 8,231          | 1,87   |

Продолжение таблицы 5.6

| 150,00 | 11,066         | 12,659         | 2,12   | 185,00 | 7,649          | 8,678          | 1,92   |
|--------|----------------|----------------|--------|--------|----------------|----------------|--------|
| 155,00 | 11,770         | 13,488         | 2,19   | 190,00 | 8,041          | 9,136          | 1,97   |
| 160,00 | 12,495         | 14,343         | 2,26   | 195,00 | 8,443          | 9,606          | 2,03   |
| 165,00 | 13,240         | 15,224         | 2,33   | 200,00 | 8,855          | 10,088         | 2,08   |
| 170,00 | 14,007         | 16,131         | 2,41   | 210,00 | 9,706          | 11,086         | 2,18   |
| 175,00 | 14,794         | 17,064         | 2,48   | 220,00 | 10,594         | 12,131         | 2,29   |
| 180,00 | 15,602         | 18,023         | 2,55   | 230,00 | 11,520         | 13,223         | 2,39   |
| 185,00 | 16,431         | 19,008         | 2,62   | 240,00 | 12,484         | 14,361         | 2,49   |
| 190,00 | 17,281         | 20,019         | 2,69   | 250,00 | 13,485         | 15,546         | 2,60   |
| 195,00 | 18,151         | 21,056         | 2,76   | 260,00 | 14,523         | 16,777         | 2,70   |
| 200,00 | 19,042         | 22,119         | 2,83   | 270,00 | 15,599         | 18,055         | 2,81   |
| 210,00 | 20,886         | 24,323         | 2,97   | 280,00 | 16,712         | 19,379         | 2,91   |
| Q, л/с | DN 400         |                |        | Q, л/с | DN 450         |                |        |
|        | j, м/км        |                | V, м/с |        | j, м/км        |                | V, м/с |
|        | k = 0,03<br>мм | k = 0,10<br>мм |        |        | k = 0,03<br>мм | k = 0,10<br>мм |        |
| 65,00  | 0,575          | 0,612          | 0,52   | 80,00  | 0,474          | 0,503          | 0,50   |
| 70,00  | 0,659          | 0,702          | 0,56   | 85,00  | 0,530          | 0,564          | 0,53   |
| 75,00  | 0,747          | 0,799          | 0,60   | 90,00  | 0,588          | 0,627          | 0,57   |
| 80,00  | 0,841          | 0,902          | 0,64   | 95,00  | 0,650          | 0,694          | 0,60   |
| 85,00  | 0,940          | 1,010          | 0,68   | 100,00 | 0,713          | 0,764          | 0,63   |
| 90,00  | 1,044          | 1,125          | 0,72   | 105,00 | 0,780          | 0,837          | 0,66   |
| 95,00  | 1,153          | 1,245          | 0,76   | 110,00 | 0,850          | 0,913          | 0,69   |
| 100,00 | 1,267          | 1,371          | 0,80   | 115,00 | 0,922          | 0,993          | 0,72   |
| 105,00 | 1,385          | 1,504          | 0,84   | 120,00 | 0,997          | 1,075          | 0,75   |
| 110,00 | 1,509          | 1,642          | 0,88   | 125,00 | 1,075          | 1,161          | 0,79   |
| 115,00 | 1,638          | 1,786          | 0,92   | 130,00 | 1,155          | 1,251          | 0,82   |
| 120,00 | 1,772          | 1,935          | 0,95   | 135,00 | 1,239          | 1,343          | 0,85   |
| 125,00 | 1,911          | 2,091          | 0,99   | 140,00 | 1,324          | 1,438          | 0,88   |
| 130,00 | 2,055          | 2,253          | 1,03   | 145,00 | 1,413          | 1,537          | 0,91   |
| 135,00 | 2,204          | 2,240          | 1,07   | 150,00 | 1,504          | 1,639          | 0,94   |
| 140,00 | 2,357          | 2,594          | 1,11   | 155,00 | 1,598          | 1,744          | 0,97   |
| 145,00 | 2,516          | 2,773          | 1,15   | 160,00 | 1,695          | 1,852          | 1,01   |
| 150,00 | 2,679          | 2,958          | 1,19   | 165,00 | 1,794          | 1,964          | 1,04   |
| 155,00 | 2,847          | 3,149          | 1,23   | 170,00 | 1,896          | 2,079          | 1,07   |
| 160,00 | 3,020          | 3,345          | 1,27   | 175,00 | 2,001          | 2,196          | 1,10   |
| 165,00 | 3,198          | 3,548          | 1,31   | 180,00 | 2,108          | 2,317          | 1,13   |
| 170,00 | 3,380          | 3,756          | 1,35   | 185,00 | 2,218          | 2,442          | 1,16   |
| 175,00 | 3,568          | 3,971          | 1,39   | 190,00 | 2,331          | 2,569          | 1,19   |
| 180,00 | 3,760          | 4,191          | 1,43   | 195,00 | 2,446          | 2,699          | 1,23   |
| 185,00 | 3,957          | 4,417          | 1,47   | 200,00 | 2,564          | 2,833          | 1,26   |
| 190,00 | 4,159          | 4,648          | 1,51   | 210,00 | 2,807          | 3,110          | 1,32   |
| 195,00 | 4,366          | 4,886          | 1,55   | 220,00 | 3,061          | 3,399          | 1,38   |
| 200,00 | 4,577          | 5,129          | 1,59   | 230,00 | 3,326          | 3,701          | 1,45   |
| 210,00 | 5,014          | 5,634          | 1,67   | 240,00 | 3,601          | 4,016          | 1,51   |
| 220,00 | 5,471          | 6,161          | 1,75   | 250,00 | 3,886          | 4,344          | 1,57   |
| 230,00 | 5,946          | 6,712          | 1,83   | 260,00 | 4,182          | 4,684          | 1,63   |
| 240,00 | 6,440          | 7,286          | 1,91   | 270,00 | 4,488          | 5,036          | 1,70   |
| 250,00 | 6,953          | 7,883          | 1,99   | 280,00 | 4,804          | 5,401          | 1,76   |

Продолжение таблицы 5.6

|               |                              |                              |               |               |                              |                              |               |
|---------------|------------------------------|------------------------------|---------------|---------------|------------------------------|------------------------------|---------------|
| 260,00        | 7,485                        | 8,504                        | 2,07          | 290,00        | 5,131                        | 5,779                        | 1,82          |
| 270,00        | 8,035                        | 9,148                        | 2,15          | 300,00        | 5,468                        | 6,170                        | 1,89          |
| 280,00        | 8,605                        | 9,815                        | 2,23          | 310,00        | 5,815                        | 6,573                        | 1,95          |
| 290,00        | 9,193                        | 10,506                       | 2,31          | 320,00        | 6,173                        | 6,988                        | 2,01          |
| 300,00        | 9,800                        | 11,219                       | 2,39          | 330,00        | 6,541                        | 7,417                        | 2,07          |
| 310,00        | 10,426                       | 11,956                       | 2,47          | 340,00        | 6,919                        | 7,857                        | 2,14          |
| 320,00        | 11,071                       | 12,716                       | 2,55          | 350,00        | 7,307                        | 8,311                        | 2,20          |
| 330,00        | 11,734                       | 13,499                       | 2,63          | 360,00        | 7,705                        | 8,777                        | 2,26          |
| 340,00        | 12,416                       | 14,306                       | 2,71          | 370,00        | 8,114                        | 9,255                        | 2,33          |
| 350,00        | 13,117                       | 15,136                       | 2,79          | 380,00        | 8,533                        | 9,747                        | 2,39          |
| 360,00        | 13,836                       | 15,989                       | 2,86          | 390,00        | 8,962                        | 10,250                       | 2,45          |
| 370,00        | 14,574                       | 16,865                       | 2,94          | 400,00        | 9,401                        | 10,767                       | 2,52          |
|               |                              |                              |               | 420,00        | 10,310                       | 11,837                       | 2,64          |
|               |                              |                              |               | 440,00        | 11,259                       | 12,958                       | 2,77          |
|               |                              |                              |               | 460,00        | 12,249                       | 14,129                       | 2,89          |
| <b>Q, л/с</b> | <b>DN 500</b>                |                              |               | <b>Q, л/с</b> | <b>DN 600</b>                |                              |               |
|               | <b>j, м/км</b>               |                              | <b>V, м/с</b> |               | <b>j, м/км</b>               |                              | <b>V, м/с</b> |
|               | <b>k = 0,03</b><br><b>мм</b> | <b>k = 0,10</b><br><b>мм</b> |               |               | <b>k = 0,03</b><br><b>мм</b> | <b>k = 0,10</b><br><b>мм</b> |               |
| 100,00        | 0,428                        | 0,453                        | 0,51          | 160,00        | 0,417                        | 0,443                        | 0,57          |
| 105,00        | 0,467                        | 0,496                        | 0,53          | 170,00        | 0,466                        | 0,496                        | 0,60          |
| 110,00        | 0,509                        | 0,542                        | 0,56          | 180,00        | 0,517                        | 0,552                        | 0,64          |
| 115,00        | 0,552                        | 0,588                        | 0,59          | 190,00        | 0,571                        | 0,611                        | 0,67          |
| 120,00        | 0,597                        | 0,637                        | 0,61          | 200,00        | 0,628                        | 0,673                        | 0,71          |
| 125,00        | 0,643                        | 0,688                        | 0,64          | 210,00        | 0,687                        | 0,737                        | 0,74          |
| 130,00        | 0,691                        | 0,740                        | 0,66          | 220,00        | 0,748                        | 0,805                        | 0,78          |
| 135,00        | 0,741                        | 0,795                        | 0,69          | 230,00        | 0,812                        | 0,875                        | 0,81          |
| 140,00        | 0,792                        | 0,851                        | 0,71          | 240,00        | 0,878                        | 0,949                        | 0,85          |
| 145,00        | 0,845                        | 0,909                        | 0,74          | 250,00        | 0,947                        | 1,025                        | 0,88          |
| 150,00        | 0,899                        | 0,969                        | 0,76          | 260,00        | 1,018                        | 1,104                        | 0,92          |
| 155,00        | 0,955                        | 1,031                        | 0,79          | 270,00        | 1,092                        | 1,186                        | 0,95          |
| 160,00        | 1,013                        | 1,094                        | 0,81          | 280,00        | 1,168                        | 1,271                        | 0,99          |
| 165,00        | 1,072                        | 1,160                        | 0,84          | 290,00        | 1,247                        | 1,358                        | 1,03          |
| 170,00        | 1,132                        | 1,227                        | 0,87          | 300,00        | 1,327                        | 1,449                        | 1,06          |
| 175,00        | 1,195                        | 1,296                        | 0,89          | 310,00        | 1,411                        | 1,542                        | 1,10          |
| 180,00        | 1,259                        | 1,368                        | 0,92          | 320,00        | 1,496                        | 1,638                        | 1,13          |
| 185,00        | 1,324                        | 1,440                        | 0,94          | 330,00        | 1,584                        | 1,737                        | 1,17          |
| 190,00        | 1,391                        | 1,515                        | 0,97          | 340,00        | 1,675                        | 1,839                        | 1,20          |
| 195,00        | 1,459                        | 1,592                        | 0,99          | 350,00        | 1,768                        | 1,943                        | 1,24          |
| 200,00        | 1,529                        | 1,670                        | 1,02          | 360,00        | 1,863                        | 2,051                        | 1,27          |
| 210,00        | 1,674                        | 1,832                        | 1,07          | 370,00        | 1,960                        | 2,161                        | 1,31          |
| 220,00        | 1,825                        | 2,002                        | 1,12          | 380,00        | 2,060                        | 2,274                        | 1,34          |
| 230,00        | 1,982                        | 2,179                        | 1,17          | 390,00        | 2,163                        | 2,390                        | 1,38          |
| 240,00        | 2,145                        | 2,363                        | 1,22          | 400,00        | 2,267                        | 2,509                        | 1,41          |
| 250,00        | 2,314                        | 2,555                        | 1,27          | 420,00        | 2,483                        | 2,755                        | 1,49          |
| 260,00        | 2,489                        | 2,753                        | 1,32          | 440,00        | 2,709                        | 3,013                        | 1,56          |
| 270,00        | 2,671                        | 2,960                        | 1,38          | 460,00        | 2,944                        | 3,281                        | 1,63          |
| 280,00        | 2,858                        | 3,173                        | 1,43          | 480,00        | 3,189                        | 3,581                        | 1,70          |
| 290,00        | 3,051                        | 3,394                        | 1,48          | 500,00        | 3,442                        | 3,853                        | 1,77          |

Продолжение таблицы 5.6

| 300,00 | 3,251          | 3,622          | 1,53   | 520,00 | 3,705          | 4,155          | 1,84   |
|--------|----------------|----------------|--------|--------|----------------|----------------|--------|
| 310,00 | 3,456          | 3,857          | 1,58   | 540,00 | 3,977          | 4,469          | 1,91   |
| 320,00 | 3,668          | 4,100          | 1,63   | 560,00 | 4,259          | 4,794          | 1,98   |
| 330,00 | 3,885          | 4,350          | 1,68   | 580,00 | 4,550          | 5,131          | 2,05   |
| 340,00 | 4,109          | 4,607          | 1,73   | 600,00 | 4,850          | 5,478          | 2,19   |
| 350,00 | 4,338          | 4,872          | 1,78   | 620,00 | 5,159          | 5,837          | 2,21   |
| 360,00 | 4,574          | 5,144          | 1,83   | 640,00 | 5,477          | 6,208          | 2,26   |
| 370,00 | 4,815          | 5,423          | 1,88   | 660,00 | 5,805          | 6,589          | 2,33   |
| 380,00 | 5,062          | 5,709          | 1,94   | 680,00 | 6,142          | 6,982          | 2,41   |
| 390,00 | 5,316          | 6,003          | 1,99   | 700,00 | 6,488          | 7,386          | 2,48   |
| 400,00 | 5,575          | 6,304          | 2,04   | 720,00 | 6,843          | 7,801          | 2,55   |
| 420,00 | 6,111          | 6,928          | 2,14   | 740,00 | 7,207          | 8,228          | 2,62   |
| 440,00 | 6,671          | 7,581          | 2,24   | 760,00 | 7,581          | 8,666          | 2,69   |
| 460,00 | 7,255          | 8,263          | 2,34   | 780,00 | 7,963          | 9,115          | 2,76   |
| 480,00 | 7,862          | 8,974          | 2,44   | 800,00 | 8,355          | 9,575          | 2,83   |
| 500,00 | 8,493          | 9,714          | 2,55   |        |                |                |        |
| 520,00 | 9,147          | 10,483         | 2,65   |        |                |                |        |
| 540,00 | 9,825          | 11,282         | 2,75   |        |                |                |        |
| 560,00 | 10,526         | 12,109         | 2,85   |        |                |                |        |
| 580,00 | 11,251         | 12,965         | 2,95   |        |                |                |        |
| Q, л/с | DN 700         |                |        | Q, л/с | DN 800         |                |        |
|        | j, м/км        |                | V, м/с |        | j, м/км        |                | V, м/с |
|        | k = 0,03<br>мм | k = 0,10<br>мм |        |        | k = 0,03<br>мм | k = 0,10<br>мм |        |
| 200,00 | 0,296          | 0,313          | 0,52   | 260,00 | 0,251          | 0,265          | 0,52   |
| 210,00 | 0,324          | 0,343          | 0,55   | 270,00 | 0,269          | 0,284          | 0,54   |
| 220,00 | 0,353          | 0,375          | 0,57   | 280,00 | 0,287          | 0,304          | 0,56   |
| 230,00 | 0,388          | 0,407          | 0,60   | 290,00 | 0,306          | 0,325          | 0,58   |
| 240,00 | 0,414          | 0,441          | 0,62   | 300,00 | 0,326          | 0,346          | 0,60   |
| 250,00 | 0,446          | 0,476          | 0,65   | 310,00 | 0,346          | 0,368          | 0,62   |
| 260,00 | 0,480          | 0,512          | 0,68   | 320,00 | 0,367          | 0,390          | 0,64   |
| 270,00 | 0,514          | 0,550          | 0,70   | 330,00 | 0,388          | 0,414          | 0,66   |
| 280,00 | 0,550          | 0,589          | 0,73   | 340,00 | 0,410          | 0,438          | 0,68   |
| 290,00 | 0,587          | 0,629          | 0,75   | 350,00 | 0,433          | 0,462          | 0,70   |
| 300,00 | 0,625          | 0,671          | 0,78   | 360,00 | 0,456          | 0,487          | 0,72   |
| 310,00 | 0,664          | 0,714          | 0,81   | 370,00 | 0,479          | 0,513          | 0,74   |
| 320,00 | 0,704          | 0,758          | 0,83   | 380,00 | 0,504          | 0,540          | 0,76   |
| 330,00 | 0,745          | 0,804          | 0,86   | 390,00 | 0,528          | 0,567          | 0,78   |
| 340,00 | 0,787          | 0,850          | 0,88   | 400,00 | 0,554          | 0,594          | 0,80   |
| 350,00 | 0,830          | 0,898          | 0,91   | 420,00 | 0,606          | 0,652          | 0,84   |
| 360,00 | 0,875          | 0,947          | 0,94   | 440,00 | 0,660          | 0,712          | 0,88   |
| 370,00 | 0,921          | 0,998          | 0,96   | 460,00 | 0,717          | 0,724          | 0,92   |
| 380,00 | 0,967          | 1,050          | 0,99   | 480,00 | 0,776          | 0,839          | 0,95   |
| 390,00 | 1,015          | 1,103          | 1,01   | 500,00 | 0,837          | 0,907          | 0,99   |
| 400,00 | 1,064          | 1,157          | 1,04   | 520,00 | 0,900          | 0,977          | 1,03   |
| 420,00 | 1,165          | 1,270          | 1,09   | 540,00 | 0,965          | 1,050          | 1,07   |
| 440,00 | 1,270          | 1,388          | 1,14   | 560,00 | 1,033          | 1,125          | 1,11   |
| 460,00 | 1,379          | 1,510          | 1,20   | 580,00 | 1,102          | 1,203          | 1,15   |
| 480,00 | 1,493          | 1,638          | 1,25   | 600,00 | 1,124          | 1,284          | 1,19   |

Продолжение таблицы 5.6

| 500,00  | 1,611          | 1,711          | 1,30   | 620,00  | 1,248          | 1,367          | 1,23   |
|---------|----------------|----------------|--------|---------|----------------|----------------|--------|
| 520,00  | 1,733          | 1,909          | 1,35   | 640,00  | 1,324          | 1,452          | 1,27   |
| 540,00  | 1,860          | 2,053          | 1,40   | 660,00  | 1,403          | 1,540          | 1,31   |
| 560,00  | 1,990          | 2,201          | 1,46   | 680,00  | 1,483          | 1,631          | 1,35   |
| 580,00  | 2,125          | 2,354          | 1,51   | 700,00  | 1,566          | 1,724          | 1,39   |
| 600,00  | 2,265          | 2,513          | 1,56   | 720,00  | 1,650          | 1,820          | 1,43   |
| 620,00  | 2,408          | 2,676          | 1,61   | 740,00  | 1,737          | 1,918          | 1,47   |
| 640,00  | 2,566          | 2,845          | 1,66   | 760,00  | 1,826          | 2,019          | 1,51   |
| 660,00  | 2,707          | 3,018          | 1,71   | 780,00  | 1,917          | 2,122          | 1,55   |
| 680,00  | 2,863          | 3,197          | 1,77   | 800,00  | 2,010          | 2,228          | 1,59   |
| 700,00  | 3,024          | 3,381          | 1,82   | 850,00  | 2,252          | 2,503          | 1,69   |
| 720,00  | 3,188          | 3,569          | 1,87   | 900,00  | 2,507          | 2,795          | 1,79   |
| 740,00  | 3,357          | 3,763          | 1,92   | 950,00  | 2,775          | 3,102          | 1,89   |
| 760,00  | 3,529          | 3,962          | 1,97   | 1000,00 | 3,056          | 3,425          | 1,99   |
| 780,00  | 3,706          | 4,166          | 2,03   | 1050,00 | 3,351          | 3,764          | 2,09   |
| 800,00  | 3,887          | 4,375          | 2,08   | 1100,00 | 3,658          | 4,119          | 2,19   |
| 850,00  | 4,358          | 4,920          | 2,21   | 1150,00 | 3,978          | 4,490          | 2,29   |
| 900,00  | 4,855          | 5,497          | 2,34   | 1200,00 | 4,312          | 4,876          | 2,39   |
| 950,00  | 5,377          | 6,105          | 2,47   | 1250,00 | 4,658          | 5,276          | 2,49   |
| 1000,00 | 5,925          | 6,744          | 2,60   | 640,00  | 1,324          | 1,452          | 1,27   |
| 1050,00 | 6,500          | 7,415          | 2,73   | 660,00  | 1,403          | 1,540          | 1,31   |
| 1100,00 | 7,099          | 8,118          | 2,86   | 680,00  | 1,483          | 1,631          | 1,35   |
| 1150,00 | 7,725          | 8,853          | 2,99   | 700,00  | 1,566          | 1,724          | 1,39   |
|         |                |                |        | 720,00  | 1,650          | 1,820          | 1,43   |
|         |                |                |        | 740,00  | 1,737          | 1,918          | 1,47   |
|         |                |                |        | 760,00  | 1,826          | 2,019          | 1,51   |
|         |                |                |        | 780,00  | 1,917          | 2,122          | 1,55   |
|         |                |                |        | 800,00  | 2,010          | 2,228          | 1,59   |
|         |                |                |        | 850,00  | 2,252          | 2,503          | 1,69   |
|         |                |                |        | 900,00  | 2,507          | 2,795          | 1,79   |
|         |                |                |        | 950,00  | 2,775          | 3,102          | 1,89   |
|         |                |                |        | 1000,00 | 3,056          | 3,425          | 1,99   |
|         |                |                |        | 1050,00 | 3,351          | 3,764          | 2,09   |
|         |                |                |        | 1100,00 | 3,658          | 4,119          | 2,19   |
|         |                |                |        | 1150,00 | 3,978          | 4,490          | 2,29   |
|         |                |                |        | 1200,00 | 4,312          | 4,876          | 2,39   |
|         |                |                |        | 1250,00 | 4,658          | 5,276          | 2,49   |
|         |                |                |        | 1300,00 | 5,017          | 5,696          | 2,59   |
|         |                |                |        | 1350,00 | 5,389          | 6,130          | 2,69   |
|         |                |                |        | 1400,00 | 5,774          | 6,570          | 2,79   |
|         |                |                |        | 1450,00 | 6,172          | 7,045          | 2,88   |
| Q, л/с  | DN 900         |                |        | Q, л/с  | DN 1000        |                |        |
|         | j, м/км        |                | V, м/с |         | j, м/км        |                | V, м/с |
|         | k = 0,03<br>мм | k = 0,10<br>мм |        |         | k = 0,03<br>мм | k = 0,10<br>мм |        |
| 340,00  | 0,231          | 0,244          | 0,53   | 400,00  | 0,187          | 0,197          | 0,51   |
| 360,00  | 0,257          | 0,272          | 0,57   | 420,00  | 0,204          | 0,215          | 0,53   |
| 380,00  | 0,284          | 0,301          | 0,60   | 440,00  | 0,222          | 0,235          | 0,56   |
| 400,00  | 0,312          | 0,331          | 0,63   | 460,00  | 0,241          | 0,255          | 0,59   |
| 420,00  | 0,341          | 0,363          | 0,66   | 480,00  | 0,261          | 0,277          | 0,61   |

Продолжение таблицы 5.6

|         |       |       |      |         |       |       |      |
|---------|-------|-------|------|---------|-------|-------|------|
| 440,00  | 0,372 | 0,396 | 0,69 | 500,00  | 0,281 | 0,299 | 0,64 |
| 460,00  | 0,403 | 0,431 | 0,72 | 520,00  | 0,303 | 0,322 | 0,66 |
| 480,00  | 0,436 | 0,467 | 0,75 | 540,00  | 0,324 | 0,345 | 0,69 |
| 500,00  | 0,470 | 0,504 | 0,79 | 560,00  | 0,347 | 0,370 | 0,71 |
| 520,00  | 0,506 | 0,543 | 0,82 | 580,00  | 0,370 | 0,395 | 0,74 |
| 540,00  | 0,542 | 0,583 | 0,85 | 600,00  | 0,394 | 0,421 | 0,76 |
| 560,00  | 0,580 | 0,625 | 0,88 | 620,00  | 0,419 | 0,448 | 0,79 |
| 580,00  | 0,619 | 0,668 | 0,91 | 640,00  | 0,444 | 0,476 | 0,81 |
| 600,00  | 0,659 | 0,712 | 0,94 | 660,00  | 0,470 | 0,504 | 0,84 |
| 620,00  | 0,701 | 0,758 | 0,97 | 680,00  | 0,497 | 0,534 | 0,87 |
| 640,00  | 0,743 | 0,805 | 1,01 | 700,00  | 0,524 | 0,564 | 0,89 |
| 660,00  | 0,787 | 0,853 | 1,04 | 720,00  | 0,552 | 0,595 | 0,92 |
| 680,00  | 0,832 | 0,903 | 1,07 | 740,00  | 0,581 | 0,627 | 0,94 |
| 700,00  | 0,878 | 0,955 | 1,10 | 760,00  | 0,610 | 0,659 | 0,97 |
| 720,00  | 0,925 | 1,007 | 1,13 | 780,00  | 0,641 | 0,693 | 0,99 |
| 740,00  | 0,974 | 1,061 | 1,16 | 800,00  | 0,671 | 0,727 | 1,02 |
| 760,00  | 1,023 | 1,117 | 1,19 | 850,00  | 0,752 | 0,816 | 1,08 |
| 780,00  | 1,074 | 1,174 | 1,23 | 900,00  | 0,836 | 0,910 | 1,15 |
| 800,00  | 1,126 | 1,232 | 1,26 | 950,00  | 0,925 | 1,008 | 1,21 |
| 850,00  | 1,261 | 1,383 | 1,34 | 1000,00 | 1,017 | 1,112 | 1,27 |
| 900,00  | 1,403 | 1,544 | 1,41 | 1050,00 | 1,114 | 1,221 | 1,34 |
| 950,00  | 1,552 | 1,712 | 1,49 | 1100,00 | 1,216 | 1,325 | 1,40 |
| 1000,00 | 1,709 | 1,890 | 1,57 | 1150,00 | 1,321 | 1,454 | 1,46 |
| 1050,00 | 1,872 | 2,076 | 1,65 | 1200,00 | 1,431 | 1,578 | 1,53 |
| 1100,00 | 2,043 | 2,270 | 1,73 | 1250,00 | 1,545 | 1,707 | 1,59 |
| 1150,00 | 2,221 | 2,473 | 1,81 | 1300,00 | 1,663 | 1,840 | 1,66 |
| 1200,00 | 2,406 | 2,685 | 1,89 | 1350,00 | 1,785 | 1,979 | 1,72 |
| 1250,00 | 2,599 | 2,905 | 1,96 | 1400,00 | 1,911 | 2,123 | 1,78 |
| 1300,00 | 2,798 | 3,134 | 2,04 | 1450,00 | 2,041 | 2,273 | 1,85 |
| 1350,00 | 3,004 | 3,372 | 2,12 | 1500,00 | 2,176 | 2,425 | 1,91 |
| 1400,00 | 3,218 | 3,618 | 2,20 | 1550,00 | 2,314 | 2,584 | 1,97 |
| 1450,00 | 3,438 | 3,872 | 2,28 | 1600,00 | 2,457 | 2,748 | 2,04 |
| 1500,00 | 3,666 | 4,135 | 2,36 | 1650,00 | 2,604 | 2,916 | 2,10 |
| 1550,00 | 3,901 | 4,407 | 2,44 | 1700,00 | 2,755 | 3,090 | 2,16 |
| 1600,00 | 4,142 | 4,687 | 2,52 | 1750,00 | 2,910 | 3,268 | 2,23 |
| 1650,00 | 4,391 | 4,976 | 2,59 | 1800,00 | 3,069 | 3,452 | 2,29 |
| 1700,00 | 4,647 | 5,274 | 2,67 | 1850,00 | 3,232 | 3,640 | 2,36 |
| 1750,00 | 4,909 | 5,580 | 2,75 | 1900,00 | 3,400 | 3,834 | 2,42 |
| 1800,00 | 5,179 | 5,894 | 2,83 | 1950,00 | 3,571 | 4,042 | 2,48 |
| 1850,00 | 5,456 | 6,217 | 2,93 | 2000,00 | 3,747 | 4,235 | 2,55 |
| 1900,00 | 5,739 | 6,540 | 2,99 | 2100,00 | 4,110 | 4,657 | 2,67 |
|         |       |       |      | 2200,00 | 4,489 | 5,098 | 2,80 |
|         |       |       |      | 2300,00 | 4,885 | 5,559 | 2,93 |

Примечание – Значения напрямую применимы для воды при температуре 10°C.

Величина  $j$  (м/км) - потери в м водяного столба на км длины трубопровода.