

# BBK Flat Bottom Grain Bins

## Overall dimensions and capacity

| Bin model     | Bin diameter, m | Number of tiers | Bin volume, m <sup>3</sup> | Capacity for wheat, t<br>(at bulk density of 0,8 t/m <sup>3</sup> ) | Overall bin height, m |
|---------------|-----------------|-----------------|----------------------------|---|-----------------------|
| BBK.11.16.B12 | 11.00           | 16              | 1 908                      | 1 526   | 22.483                |
| BBK.11.15.B12 | 11.00           | 15              | 1 794                      | 1 435   | 21.283                |
| BBK.11.14.B12 | 11.00           | 14              | 1 680                      | 1 344   | 20.083                |
| BBK.11.13.B12 | 11.00           | 13              | 1 566                      | 1 253   | 18.883                |
| BBK.11.12.B12 | 11.00           | 12              | 1 452                      | 1 162   | 17.683                |
| BBK.11.11.B12 | 11.00           | 11              | 1 338                      | 1 070   | 16.483                |
| BBK.11.10.B12 | 11.00           | 10              | 1 224                      | 979   | 15.283                |
| BBK.11.9.B12  | 11.00           | 9               | 1 110                      | 888   | 14.083                |
| BBK.11.8.B12  | 11.00           | 8               | 996                        | 797   | 12.883                |
| BBK.16.16.B12 | 16.00           | 16              | 4 117                      | 3 294   | 23.926                |
| BBK.16.15.B12 | 16.00           | 15              | 3 875                      | 3 100   | 22.726                |
| BBK.16.14.B12 | 16.00           | 14              | 3 634                      | 2 907   | 21.526                |
| BBK.16.13.B12 | 16.00           | 13              | 3 393                      | 2 714   | 20.326                |
| BBK.16.12.B12 | 16.00           | 12              | 3 152                      | 2 522   | 19.126                |
| BBK.16.11.B12 | 16.00           | 11              | 2 910                      | 2 328   | 17.926                |
| BBK.16.10.B12 | 16.00           | 10              | 2 669                      | 2 135   | 16.726                |
| BBK.18.16.B12 | 18.00           | 16              | 5 249                      | 4 199   | 24.51                 |
| BBK.18.15.B12 | 18.00           | 15              | 4 944                      | 3 955   | 23.31                 |
| BBK.18.14.B12 | 18.00           | 14              | 4 639                      | 3 711   | 22.11                 |
| BBK.18.13.B12 | 18.00           | 13              | 4 333                      | 3 466   | 20.91                 |
| BBK.18.12.B12 | 18.00           | 12              | 4 028                      | 3 222   | 19.71                 |
| BBK.18.11.B12 | 18.00           | 11              | 3 722                      | 2 978   | 18.51                 |
| BBK.20.23.B12 | 20.00           | 23              | 9 168                      | 7 334   | 33.487                |
| BBK.20.22.B12 | 20.00           | 22              | 8 791                      | 7 033   | 32.287                |
| BBK.20.21.B12 | 20.00           | 21              | 8 414                      | 6 731   | 31.087                |
| BBK.20.20.B12 | 20.00           | 20              | 8 037                      | 6 430   | 29.887                |
| BBK.20.19.B12 | 20.00           | 19              | 7 660                      | 6 128   | 28.687                |
| BBK.20.18.B12 | 20.00           | 18              | 7 283                      | 5 826   | 27.487                |
| BBK.20.17.B12 | 20.00           | 17              | 6 906                      | 5 525   | 26.287                |
| BBK.20.16.B12 | 20.00           | 16              | 6 529                      | 5 223   | 25.087                |
| BBK.20.15.B12 | 20.00           | 15              | 6 152                      | 4 922   | 23.887                |
| BBK.20.14.B12 | 20.00           | 14              | 5 775                      | 4 620   | 22.687                |
| BBK.20.13.B12 | 20.00           | 13              | 5 398                      | 4 318   | 21.487                |
| BBK.20.12.B12 | 20.00           | 12              | 5 021                      | 4 017   | 20.287                |
| BBK.20.11.B12 | 20.00           | 11              | 4 644                      | 3 715   | 19.087                |
| BBK.20.10.B12 | 20.00           | 10              | 4 267                      | 3 414   | 17.887                |
| BBK.20.9.B12  | 20.00           | 9               | 3 890                      | 3 112   | 16.687                |
| BBK.20.8.B12  | 20.00           | 8               | 3 513                      | 2 810   | 15.487                |
| BBK.22.22.B12 | 22.00           | 22              | 10 696                     | 8 557   | 32.782                |
| BBK.22.21.B12 | 22.00           | 21              | 10 240                     | 8 192   | 31.582                |
| BBK.22.20.B12 | 22.00           | 20              | 9 784                      | 7 827   | 30.382                |
| BBK.22.19.B12 | 22.00           | 19              | 9 328                      | 7 462   | 29.182                |
| BBK.22.18.B12 | 22.00           | 18              | 8 872                      | 7 098   | 27.982                |
| BBK.22.17.B12 | 22.00           | 17              | 8 415                      | 6 732   | 26.782                |
| BBK.22.16.B12 | 22.00           | 16              | 7 960                      | 6 368   | 25.582                |
| BBK.22.15.B12 | 22.00           | 15              | 7 503                      | 6 002   | 24.38                 |
| BBK.22.14.B12 | 22.00           | 14              | 7 047                      | 5 638   | 23.18                 |
| BBK.22.13.B12 | 22.00           | 13              | 6 591                      | 5 273   | 21.98                 |
| BBK.22.12.B12 | 22.00           | 12              | 6 135                      | 4 908   | 20.78                 |
| BBK.28.18.B12 | 28.00           | 18              | 14 658                     | 11 726  | 29.71                 |
| BBK.28.17.B12 | 28.00           | 17              | 13 919                     | 11 135  | 28.51                 |
| BBK.28.16.B12 | 28.00           | 16              | 13 180                     | 10 544  | 27.31                 |
| BBK.28.15.B12 | 28.00           | 15              | 12 441                     | 9 953   | 26.11                 |
| BBK.28.14.B12 | 28.00           | 14              | 11 702                     | 9 362   | 24.91                 |
| BBK.28.13.B12 | 28.00           | 13              | 10 963                     | 8 770   | 23.71                 |
| BBK.28.12.B12 | 28.00           | 12              | 10 225                     | 8 180   | 22.51                 |
| BBK.32.20.B12 | 32.00           | 20              | 21 315                     | 16 625  | 34.752                |
| BBK.32.19.B12 | 32.00           | 19              | 20 350                     | 15 875  | 33.552                |
| BBK.32.18.B12 | 32.00           | 18              | 19 385                     | 15 120  | 32.352                |
| BBK.32.17.B12 | 32.00           | 17              | 18 415                     | 14 365  | 31.152                |
| BBK.32.16.B12 | 32.00           | 16              | 17 450                     | 13 610  | 29.952                |
| BBK.32.15.B12 | 32.00           | 15              | 16 485                     | 12 860  | 28.752                |
| BBK.32.14.B12 | 32.00           | 14              | 15 520                     | 12 105  | 27.552                |
| BBK.32.13.B12 | 32.00           | 13              | 14 555                     | 11 350  | 26.352                |
| BBK.32.12.B12 | 32.00           | 12              | 13 590                     | 10 600  | 25.152                |
| BBK.32.11.B12 | 32.00           | 11              | 12 625                     | 9 845   | 23.952                |

Note: To find out the weight of product, stored in the bin it takes to multiply the bin volume (indicated in m<sup>3</sup>) by bulk density of the product.  
 For instance, to find out the weight of the barley, stored in BBK.22.20.B12 bin.  
 Bin BBK.22 with 20 tiers has a volume of 9 784 m<sup>3</sup>. At the buld density of barley equal to 0,61 t/m<sup>3</sup> the bin capacity is equal to 5 968 tons.

Bulk density of main grain crops:

1. Wheat: 0,8 t/m<sup>3</sup>;
2. Barley: 0,61 t/m<sup>3</sup>;
3. Corn: 0,72 t/m<sup>3</sup>;
4. Soy, colesseed: 0,6 t/m<sup>3</sup>.

# SMVU Flat Bottom Grain Bins

## Overall dimensions and capacity

| Bin model       | Bin diameter, m | Number of tiers | Bin volume, m <sup>3</sup> | Capacity for wheat, t<br>(at bulk density of 0,8 t/m <sup>3</sup> ) | Overall bin height, m |
|-----------------|-----------------|-----------------|----------------------------|---|-----------------------|
| SMVU.110.18.B12 | 11.00           | 18              | 2 062                      | 1 650   | 24.274                |
| SMVU.110.17.B12 | 11.00           | 17              | 1 952                      | 1 562   | 23.122                |
| SMVU.110.16.B12 | 11.00           | 16              | 1 843                      | 1 474   | 21.97                 |
| SMVU.110.15.B12 | 11.00           | 15              | 1 733                      | 1 387   | 20.818                |
| SMVU.110.14.B12 | 11.00           | 14              | 1 624                      | 1 299   | 19.666                |
| SMVU.110.13.B12 | 11.00           | 13              | 1 514                      | 1 211   | 18.514                |
| SMVU.110.12.B12 | 11.00           | 12              | 1 405                      | 1 124   | 17.362                |
| SMVU.110.11.B12 | 11.00           | 11              | 1 295                      | 1 036   | 16.21                 |
| SMVU.110.10.B12 | 11.00           | 10              | 1 186                      | 949   | 15.058                |
| SMVU.110.09.B12 | 11.00           | 9               | 1 076                      | 861   | 13.906                |
| SMVU.110.08.B12 | 11.00           | 8               | 967                        | 773   | 12.754                |
| SMVU.110.07.B12 | 11.00           | 7               | 857                        | 686   | 11.602                |
| SMVU.110.06.B12 | 11.00           | 6               | 748                        | 598   | 10.45                 |
| SMVU.147.20.B12 | 14.70           | 20              | 4 103                      | 3 282   | 27.636                |
| SMVU.147.19.B12 | 14.70           | 19              | 3 908                      | 3 127   | 26.484                |
| SMVU.147.18.B12 | 14.70           | 18              | 3 713                      | 2 971   | 25.332                |
| SMVU.147.17.B12 | 14.70           | 17              | 3 519                      | 2 815   | 24.18                 |
| SMVU.147.16.B12 | 14.70           | 16              | 3 324                      | 2 659   | 23.028                |
| SMVU.147.15.B12 | 14.70           | 15              | 3 129                      | 2 504   | 21.876                |
| SMVU.147.14.B12 | 14.70           | 14              | 2 935                      | 2 348   | 20.724                |
| SMVU.147.13.B12 | 14.70           | 13              | 2 740                      | 2 192   | 19.572                |
| SMVU.147.12.B12 | 14.70           | 12              | 2 545                      | 2 036   | 18.42                 |
| SMVU.147.11.B12 | 14.70           | 11              | 2 351                      | 1 881   | 17.268                |
| SMVU.147.10.B12 | 14.70           | 10              | 2 156                      | 1 725   | 16.116                |
| SMVU.147.09.B12 | 14.70           | 9               | 1 996                      | 1 569   | 14.964                |
| SMVU.147.08.B12 | 14.70           | 8               | 1 767                      | 1 431   | 13.812                |
| SMVU.147.07.B12 | 14.70           | 7               | 1 572                      | 1 258   | 12.66                 |
| SMVU.147.06.B12 | 14.70           | 6               | 1 378                      | 1 102   | 11.508                |
| SMVU.220.22.B12 | 22.00           | 22              | 10 307                     | 8 245   | 32.399                |
| SMVU.220.21.B12 | 22.00           | 21              | 9 869                      | 7 895   | 31.247                |
| SMVU.220.20.B12 | 22.00           | 20              | 9 431                      | 7 545   | 30.095                |
| SMVU.220.19.B12 | 22.00           | 19              | 8 993                      | 7 194   | 28.943                |
| SMVU.220.18.B12 | 22.00           | 18              | 8 555                      | 6 844   | 27.791                |
| SMVU.220.17.B12 | 22.00           | 17              | 8 117                      | 6 494   | 26.639                |
| SMVU.220.16.B12 | 22.00           | 16              | 7 679                      | 6 143   | 25.487                |
| SMVU.220.15.B12 | 22.00           | 15              | 7 241                      | 5 793   | 24.335                |
| SMVU.220.14.B12 | 22.00           | 14              | 6 804                      | 5 443   | 23.183                |
| SMVU.220.13.B12 | 22.00           | 13              | 6 366                      | 5 092   | 22.031                |
| SMVU.220.12.B12 | 22.00           | 12              | 5 928                      | 4 742   | 20.879                |
| SMVU.220.11.B12 | 22.00           | 11              | 5 490                      | 4 392   | 19.727                |
| SMVU.220.10.B12 | 22.00           | 10              | 5 052                      | 4 042   | 18.575                |
| SMVU.220.09.B12 | 22.00           | 9               | 4 614                      | 3 691   | 17.423                |
| SMVU.220.08.B12 | 22.00           | 8               | 4 176                      | 3 341   | 16.271                |

Note: To find out the weight of product, stored in the bin it takes to multiply the bin volume (indicated in m<sup>3</sup>) by bulk density of the product.  
 For instance, to find out the weight of the barley, stored in SMVU.220.20.B12 bin.  
 Bin SMVU.220 with 20 tiers has a volume of 9 431 m<sup>3</sup>. At the bulk density of barley equal to 0,61 t/m<sup>3</sup> the bin capacity is equal to 5 753 tons.

Bulk density of main grain crops:

1. Wheat: 0,8 t/m<sup>3</sup>;
2. Barley: 0,61 t/m<sup>3</sup>;
3. Corn: 0,72 t/m<sup>3</sup>;
4. Soy, colesseed: 0,6 t/m<sup>3</sup>.

# SMVU(A) Flat Bottom Grain Bins

## Overall dimensions and capacity



| Bin model         | Bin diameter, m | Number of tiers | Bin volume, m <sup>3</sup> | Capacity for wheat, t<br>(at bulk density of 0,8 t/m <sup>3</sup> ) | Overall bin height, m |
|-------------------|-----------------|-----------------|----------------------------|---|-----------------------|
| SMVU.165.22.B12.A | 16.5            | 22              | 5 906                      | 4 725   | 31.458                |
| SMVU.165.21.B12.A | 16.5            | 21              | 5 650                      | 4 520   | 30.258                |
| SMVU.165.20.B12.A | 16.5            | 20              | 5 393                      | 4 314   | 29.058                |
| SMVU.165.19.B12.A | 16.5            | 19              | 5 193                      | 4 109   | 27.858                |
| SMVU.165.18.B12.A | 16.5            | 18              | 4 880                      | 3 904   | 26.658                |
| SMVU.165.17.B12.A | 16.5            | 17              | 4 623                      | 3 598   | 25.458                |
| SMVU.165.16.B12.A | 16.5            | 16              | 4 366                      | 3 493   | 24.258                |
| SMVU.165.15.B12.A | 16.5            | 15              | 4 110                      | 3 288   | 23.058                |
| SMVU.165.14.B12.A | 16.5            | 14              | 3 853                      | 3 083   | 21.858                |
| SMVU.165.13.B12.A | 16.5            | 13              | 3 596                      | 2 877   | 20.658                |
| SMVU.165.12.B12.A | 16.5            | 12              | 3 340                      | 2 672   | 19.458                |
| SMVU.165.11.B12.A | 16.5            | 11              | 3 083                      | 2 467   | 18.258                |
| SMVU.165.10.B12.A | 16.5            | 10              | 2 827                      | 2 261   | 17.058                |
| SMVU.165.09.B12.A | 16.5            | 9               | 2 570                      | 2 056   | 15.858                |
| SMVU.165.08.B12.A | 16.5            | 8               | 2 313                      | 1 851   | 14.658                |
| SMVU.165.07.B12.A | 16.5            | 7               | 2 057                      | 1 645   | 13.458                |
| SMVU.165.06.B12.A | 16.5            | 6               | 1 800                      | 1 440   | 12.258                |
| SMVU.183.22.B12.A | 18.3            | 22              | 7 329                      | 5 864   | 32.044                |
| SMVU.183.21.B12.A | 18.3            | 21              | 7 013                      | 5 610   | 30.844                |
| SMVU.183.20.B12.A | 18.3            | 20              | 6 696                      | 5 357   | 29.644                |
| SMVU.183.19.B12.A | 18.3            | 19              | 6 379                      | 5 103   | 28.444                |
| SMVU.183.18.B12.A | 18.3            | 18              | 6 062                      | 4 850   | 27.244                |
| SMVU.183.17.B12.A | 18.3            | 17              | 5 745                      | 4 596   | 26.044                |
| SMVU.183.16.B12.A | 18.3            | 16              | 5 428                      | 4 343   | 24.844                |
| SMVU.183.15.B12.A | 18.3            | 15              | 5 112                      | 4 089   | 23.644                |
| SMVU.183.14.B12.A | 18.3            | 14              | 4 795                      | 3 836   | 22.444                |
| SMVU.183.13.B12.A | 18.3            | 13              | 4 478                      | 3 582   | 21.244                |
| SMVU.183.12.B12.A | 18.3            | 12              | 4 161                      | 3 329   | 20.044                |
| SMVU.183.11.B12.A | 18.3            | 11              | 3 844                      | 3 075   | 18.844                |
| SMVU.183.10.B12.A | 18.3            | 10              | 3 527                      | 2 822   | 17.644                |
| SMVU.183.09.B12.A | 18.3            | 9               | 3 211                      | 2 568   | 16.444                |
| SMVU.183.08.B12.A | 18.3            | 8               | 2 894                      | 2 315   | 15.244                |
| SMVU.220.22.B12.A | 22.0            | 22              | 10 623                     | 8 498   | 33.214                |
| SMVU.220.21.B12.A | 22.0            | 21              | 10 166                     | 8 134   | 32.014                |
| SMVU.220.20.B12.A | 22.0            | 20              | 9 710                      | 7 768   | 30.814                |
| SMVU.220.19.B12.A | 22.0            | 19              | 9 254                      | 7 404   | 29.614                |
| SMVU.220.18.B12.A | 22.0            | 18              | 8 798                      | 7 039   | 28.414                |
| SMVU.220.17.B12.A | 22.0            | 17              | 8 342                      | 6 674   | 27.214                |
| SMVU.220.16.B12.A | 22.0            | 16              | 7 886                      | 6 309   | 26.014                |
| SMVU.220.15.B12.A | 22.0            | 15              | 7 430                      | 5 944   | 24.814                |
| SMVU.220.14.B12.A | 22.0            | 14              | 6 974                      | 5 579   | 23.614                |
| SMVU.220.13.B12.A | 22.0            | 13              | 6 518                      | 5 214   | 22.414                |
| SMVU.220.12.B12.A | 22.0            | 12              | 6 062                      | 4 849   | 21.214                |
| SMVU.220.11.B12.A | 22.0            | 11              | 5 605                      | 4 484   | 20.014                |
| SMVU.220.10.B12.A | 22.0            | 10              | 5 149                      | 4 119   | 18.814                |
| SMVU.220.09.B12.A | 22.0            | 9               | 4 693                      | 3 754   | 17.614                |
| SMVU.220.08.B12.A | 22.0            | 8               | 4 236                      | 3 390   | 16.414                |
| SMVU.275.22.B12.A | 27.5            | 22              | 16 911                     | 13 529  | 34.800                |
| SMVU.275.21.B12.A | 27.5            | 21              | 16 199                     | 12 959  | 33.600                |
| SMVU.275.20.B12.A | 27.5            | 20              | 15 486                     | 12 389  | 32.400                |
| SMVU.275.19.B12.A | 27.5            | 19              | 14 773                     | 11 818  | 31.200                |
| SMVU.275.18.B12.A | 27.5            | 18              | 14 060                     | 11 248  | 30.000                |
| SMVU.275.17.B12.A | 27.5            | 17              | 13 348                     | 10 678  | 28.800                |
| SMVU.275.16.B12.A | 27.5            | 16              | 12 635                     | 10 108  | 27.600                |
| SMVU.275.15.B12.A | 27.5            | 15              | 11 922                     | 9 538   | 26.400                |
| SMVU.275.14.B12.A | 27.5            | 14              | 11 209                     | 8 967   | 25.200                |
| SMVU.275.13.B12.A | 27.5            | 13              | 10 497                     | 8 397   | 24.000                |
| SMVU.275.12.B12.A | 27.5            | 12              | 9 784                      | 7 827   | 22.800                |
| SMVU.275.11.B12.A | 27.5            | 11              | 9 071                      | 7 257   | 21.600                |
| SMVU.275.10.B12.A | 27.5            | 10              | 8 358                      | 6 687   | 20.400                |
| SMVU.275.09.B12.A | 27.5            | 9               | 7 646                      | 6 116   | 19.200                |
| SMVU.275.08.B12.A | 27.5            | 8               | 6 933                      | 5 546   | 18.000                |

Note: To find out the weight of product, stored in the bin it takes to multiply the bin volume (indicated in m<sup>3</sup>) by bulk density of the product.  
 For instance, to find out the weight of the barley, stored in SMVU.220.20.B12.A bin.  
 Bin SMVU.220.A with 20 tiers has a volume of 9 710 m<sup>3</sup>. At the bulk density of barley equal to 0,61 t/m<sup>3</sup> the bin capacity is equal to 5 923 tons.

- Bulk density of main grain crops:
1. Wheat: 0,8 t/m<sup>3</sup>;
  2. Barley: 0,61 t/m<sup>3</sup>;
  3. Corn: 0,72 t/m<sup>3</sup>;
  4. Soy, colesseed: 0,6 t/m<sup>3</sup>.