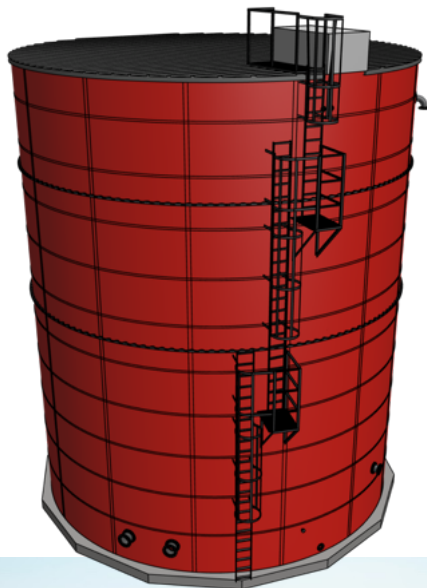




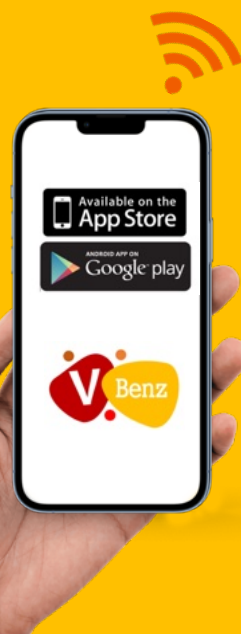
## FIRE PROTECTION & FIRE SPRINKLER TANKS:

We design, manufacture, install and maintain fire protection and fire sprinkler tanks for industrial use:

- Effective storage capacity: **50-3.500m<sup>3</sup>**
- Our tank shell has industry best high quality, double sided, corrosion resistant galvanized finish (300g/m<sup>2</sup> per side) as per EN10326. Upon request we can provide powder or glass coating with even higher level of corrosion resistancy up to C5-I requirements as per ISO12944-2.
- Tank plates are bolted together.
- Water tightness is secured by EPDM/PVC liners.
- External tank shells can be supplied at any RAL color.
- Snow, wind, and seismic calculations are part of our engineering services to comply with required standards.
- Lifespan of our products are dependent upon corrosion level of installation environments (C1-C5-I) 10-80 years.
- Only a simple concrete foundation is required for our tanks.
- Installation risks are relatively low due to our hydraulic jack technology, tank installation is mostly done at ground level.
- Our tanks can be dis-assembled and re-installed at any new location assuming a proper foundation is available.
- Our tanks carry ISO certification.

In order to answer digital challenges, we supply IoT sensors transmitting valuable data (i.e.: water tank level, different kind of alarms) to our cloud environment which helps our tanks to be remotely supervised through our own application. Automatic level control can be also managed remotely by an electric operated control valve.

For price, delivery times and other terms and conditions please contact with our colleagues!



| Bolt numbers | Actual tank rim height (m) | Effective tank capacities (m³)                                 |      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |                                                                  |     | mm                                                              |  |  |  |
|--------------|----------------------------|----------------------------------------------------------------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|------------------------------------------------------------------|-----|-----------------------------------------------------------------|--|--|--|
|              |                            | Number of panels in the tank belt/row (1panel = 1250 x 2500mm) |      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |                                                                  |     |                                                                 |  |  |  |
|              |                            | Actual tank diameter (m)                                       |      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |                                                                  |     |                                                                 |  |  |  |
|              |                            | 4                                                              | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    |     |                                                                  |     |                                                                 |  |  |  |
| 3.06         | 3.82                       | 4.58                                                           | 5.35 | 6.11 | 6.88 | 7.64 | 8.40 | 9.17 | 9.93 | 10.70 | 11.46 | 12.22 | 12.99 | 13.75 | 14.51 | 15.28 | 16.04 | 16.81 | 17.57 | 18.33 | 19.10 | 19.86 | 20.63 | 21.39 |       |       | 300 | Deadwater: volume of water level below the suction line and base |     |                                                                 |  |  |  |
| 1 1/4        | 1,542                      | 6                                                              | 9    | 13   | 18   | 24   | 30   | 38   | 46   | 54    | 64    | 74    | 85    | 97    | 110   | 123   | 137   | 152   | 168   | 185   | 202   | 220   | 239   | 258   | 279   | 300   |     |                                                                  | 400 | Freeboard: volume above operating water level and tank roof     |  |  |  |
| 1 1/2        | 1,855                      | 8                                                              | 13   | 18   | 25   | 33   | 42   | 52   | 62   | 75    | 88    | 102   | 117   | 133   | 151   | 169   | 188   | 209   | 230   | 253   | 277   | 301   | 327   | 354   | 382   | 411   |     |                                                                  | 50  | Internal insulation: diameter decrease impacts overall capacity |  |  |  |
| 1 3/4        | 2,168                      | 10                                                             | 16   | 23   | 32   | 42   | 53   | 66   | 79   | 95    | 111   | 130   | 149   | 169   | 192   | 215   | 239   | 266   | 293   | 322   | 352   | 383   | 416   | 450   | 486   | 523   |     |                                                                  |     |                                                                 |  |  |  |
| 2            | 2,430                      | 12                                                             | 19   | 27   | 37   | 49   | 62   | 77   | 94   | 112   | 131   | 153   | 175   | 200   | 226   | 253   | 282   | 313   | 345   | 379   | 415   | 452   | 491   | 531   | 573   | 616   |     |                                                                  |     |                                                                 |  |  |  |
| 2 1/4        | 2,742                      | 14                                                             | 22   | 32   | 44   | 58   | 74   | 91   | 110  | 132   | 155   | 180   | 207   | 236   | 266   | 299   | 333   | 370   | 407   | 448   | 489   | 533   | 579   | 626   | 676   | 727   |     |                                                                  |     |                                                                 |  |  |  |
| 2 1/2        | 3,055                      | 16                                                             | 26   | 37   | 51   | 67   | 85   | 105  | 127  | 152   | 179   | 208   | 239   | 272   | 307   | 345   | 384   | 426   | 470   | 516   | 565   | 615   | 668   | 722   | 780   | 838   |     |                                                                  |     |                                                                 |  |  |  |
| 2 3/4        | 3,367                      | 18                                                             | 29   | 42   | 58   | 76   | 96   | 119  | 144  | 172   | 202   | 235   | 270   | 308   | 348   | 390   | 435   | 483   | 532   | 585   | 639   | 696   | 756   | 818   | 883   | 949   |     |                                                                  |     |                                                                 |  |  |  |
| 3            | 3,630                      | 20                                                             | 32   | 46   | 63   | 83   | 106  | 131  | 159  | 189   | 222   | 259   | 297   | 338   | 382   | 429   | 478   | 530   | 585   | 643   | 702   | 765   | 831   | 899   | 970   | 1 043 |     |                                                                  |     |                                                                 |  |  |  |
| 3 1/4        | 3,942                      | 22                                                             | 35   | 51   | 70   | 92   | 117  | 145  | 175  | 209   | 246   | 286   | 329   | 374   | 423   | 474   | 529   | 587   | 647   | 711   | 777   | 846   | 919   | 994   | 1 073 | 1 154 |     |                                                                  |     |                                                                 |  |  |  |
| 3 1/2        | 4,255                      | 24                                                             | 39   | 56   | 77   | 101  | 128  | 159  | 192  | 230   | 270   | 314   | 360   | 410   | 464   | 520   | 580   | 643   | 709   | 780   | 852   | 928   | 1 008 | 1 090 | 1 177 | 1 266 |     |                                                                  |     |                                                                 |  |  |  |
| 3 3/4        | 4,568                      | 27                                                             | 42   | 61   | 84   | 110  | 140  | 173  | 209  | 250   | 294   | 341   | 392   | 446   | 505   | 566   | 631   | 700   | 772   | 848   | 927   | 1 010 | 1 097 | 1 186 | 1 280 | 1 377 |     |                                                                  |     |                                                                 |  |  |  |
| 4            | 4,830                      | 28                                                             | 45   | 65   | 89   | 117  | 149  | 184  | 223  | 267   | 313   | 364   | 419   | 476   | 539   | 604   | 674   | 747   | 824   | 905   | 990   | 1 078 | 1 171 | 1 267 | 1 367 | 1 470 |     |                                                                  |     |                                                                 |  |  |  |
| 4 1/4        | 5,142                      | 31                                                             | 48   | 70   | 96   | 126  | 160  | 198  | 240  | 287   | 337   | 392   | 450   | 512   | 580   | 650   | 724   | 804   | 886   | 974   | 1 065 | 1 159 | 1 259 | 1 362 | 1 470 | 1 581 |     |                                                                  |     |                                                                 |  |  |  |
| 4 1/2        | 5,455                      | 33                                                             | 52   | 75   | 103  | 135  | 172  | 212  | 257  | 307   | 361   | 420   | 482   | 549   | 621   | 696   | 775   | 861   | 949   | 1 043 | 1 140 | 1 241 | 1 348 | 1 458 | 1 574 | 1 693 |     |                                                                  |     |                                                                 |  |  |  |
| 4 3/4        | 5,768                      | 35                                                             | 55   | 80   | 110  | 144  | 183  | 226  | 274  | 327   | 385   | 447   | 514   | 585   | 661   | 742   | 827   | 917   | 1 011 | 1 111 | 1 215 | 1 323 | 1 437 | 1 554 | 1 678 | 1 804 |     |                                                                  |     |                                                                 |  |  |  |
| 5            | 6,030                      | 37                                                             | 58   | 84   | 115  | 151  | 192  | 238  | 288  | 344   | 405   | 470   | 540   | 615   | 696   | 780   | 869   | 965   | 1 064 | 1 169 | 1 278 | 1 391 | 1 511 | 1 635 | 1 764 | 1 897 |     |                                                                  |     |                                                                 |  |  |  |
| 5 1/4        | 6,342                      | 39                                                             | 61   | 89   | 122  | 160  | 204  | 252  | 305  | 365   | 428   | 498   | 572   | 651   | 736   | 826   | 920   | 1 021 | 1 126 | 1 237 | 1 352 | 1 473 | 1 600 | 1 730 | 1 868 | 2 009 |     |                                                                  |     |                                                                 |  |  |  |
| 5 1/2        | 6,655                      | 41                                                             | 65   | 94   | 129  | 169  | 215  | 266  | 322  | 385   | 452   | 526   | 604   | 687   | 777   | 871   | 971   | 1 078 | 1 188 | 1 306 | 1 427 | 1 554 | 1 688 | 1 826 | 1 971 | 2 120 |     |                                                                  |     |                                                                 |  |  |  |
| 5 3/4        | 6,968                      | 43                                                             | 68   | 99   | 136  | 178  | 226  | 280  | 339  | 405   | 476   | 553   | 635   | 723   | 818   | 917   | 1 022 | 1 134 | 1 251 | 1 375 | 1 502 | 1 636 | 1 777 | 1 922 | 2 075 | 2 231 |     |                                                                  |     |                                                                 |  |  |  |
| 6            | 7,230                      | 45                                                             | 71   | 103  | 141  | 185  | 236  | 292  | 353  | 422   | 496   | 576   | 662   | 753   | 852   | 956   | 1 065 | 1 182 | 1 303 | 1 432 | 1 565 | 1 704 | 1 851 | 2 003 | 2 162 | 2 325 |     |                                                                  |     |                                                                 |  |  |  |
| 6 1/4        | 7,542                      | 47                                                             | 74   | 108  | 148  | 194  | 247  | 306  | 370  | 442   | 519   | 604   | 693   | 789   | 893   | 1 001 | 1 116 | 1 238 | 1 365 | 1 500 | 1 640 | 1 786 | 1 940 | 2 098 | 2 265 | 2 436 |     |                                                                  |     |                                                                 |  |  |  |
| 6 1/2        | 7,855                      | 49                                                             | 78   | 113  | 155  | 203  | 258  | 319  | 387  | 462   | 543   | 631   | 725   | 825   | 934   | 1 047 | 1 167 | 1 295 | 1 428 | 1 569 | 1 715 | 1 868 | 2 029 | 2 194 | 2 369 | 2 547 |     |                                                                  |     |                                                                 |  |  |  |
| 6 3/4        | 8,167                      | 51                                                             | 81   | 118  | 162  | 212  | 270  | 333  | 404  | 482   | 567   | 659   | 757   | 861   | 974   | 1 093 | 1 218 | 1 351 | 1 490 | 1 638 | 1 790 | 1 949 | 2 117 | 2 290 | 2 472 | 2 658 |     |                                                                  |     |                                                                 |  |  |  |
| 7            | 8,430                      | 53                                                             | 84   | 122  | 167  | 219  | 279  | 345  | 418  | 499   | 587   | 682   | 783   | 892   | 1 009 | 1 131 | 1 261 | 1 399 | 1 543 | 1 695 | 1 853 | 2 018 | 2 192 | 2 371 | 2 559 | 2 752 |     |                                                                  |     |                                                                 |  |  |  |
| 7 1/4        | 8,742                      | 55                                                             | 87   | 127  | 174  | 228  | 290  | 359  | 435  | 520   | 610   | 710   | 815   | 928   | 1 049 | 1 177 | 1 312 | 1 455 | 1 605 | 1 764 | 1 928 | 2 099 | 2 280 | 2 466 | 2 662 | 2 863 |     |                                                                  |     |                                                                 |  |  |  |
| 7 1/2        | 9,055                      | 57                                                             | 91   | 132  | 181  | 237  | 302  | 373  | 452  | 540   | 634   | 737   | 847   | 964   | 1 090 | 1 223 | 1 363 | 1 512 | 1 667 | 1 832 | 2 003 | 2 181 | 2 369 | 2 562 | 2 766 | 2 974 |     |                                                                  |     |                                                                 |  |  |  |
| 7 3/4        | 9,368                      | 60                                                             | 94   | 137  | 188  | 246  | 313  | 387  | 469  | 560   | 658   | 765   | 879   | 1 000 | 1 131 | 1 268 | 1 414 | 1 569 | 1 730 | 1 901 | 2 078 | 2 262 | 2 450 | 2 658 | 2 869 | 3 086 |     |                                                                  |     |                                                                 |  |  |  |
| 8            | 9,630                      | 61                                                             | 97   | 141  | 193  | 253  | 322  | 399  | 483  | 577   | 678   | 788   | 905   | 1 030 | 1 165 | 1 307 | 1 456 | 1 616 | 1 782 | 1 958 | 2 141 | 2 331 | 2 532 | 2 739 | 2 956 | 3 179 |     |                                                                  |     |                                                                 |  |  |  |
| 8 1/4        | 9,942                      | 64                                                             | 100  | 146  | 200  | 262  | 334  | 413  | 500  | 597   | 701   | 816   | 937   | 1 066 | 1 206 | 1 352 | 1 507 | 1 673 | 1 844 | 2 027 | 2 215 | 2 412 | 2 620 | 2 834 | 3 059 | 3 290 |     |                                                                  |     |                                                                 |  |  |  |
| 8 1/2        | 10,255                     | 66                                                             | 104  | 151  | 207  | 271  | 345  | 427  | 517  | 617   | 725   | 843   | 968   | 1 102 | 1 247 | 1 398 | 1 558 | 1 729 | 1 907 | 2 095 | 2 290 | 2 494 | 2 709 | 2 930 | 3 163 |       |     |                                                                  |     |                                                                 |  |  |  |
| 8 3/4        | 10,567                     | 68                                                             | 107  | 156  | 214  | 280  | 356  | 441  | 534  | 638   | 749   | 871   | 1 000 | 1 138 | 1 288 | 1 444 | 1 609 | 1 786 | 1 969 | 2 164 | 2 365 | 2 575 | 2 798 | 3 026 | 3 266 |       |     |                                                                  |     |                                                                 |  |  |  |
| 9            | 10,830                     | 70                                                             | 110  | 160  | 219  | 287  | 366  | 452  | 548  | 655   | 769   | 894   | 1 027 | 1 169 | 1 322 | 1 482 | 1 652 | 1 833 | 2 022 | 2 222 | 2 428 | 2 644 | 2 872 | 3 107 |       |       |     |                                                                  |     |                                                                 |  |  |  |
| 9 1/4        | 11,142                     | 72                                                             | 113  | 165  | 226  | 296  | 377  | 466  | 565  | 675   | 792   | 921   | 1 058 | 1 205 | 1 363 | 1 528 | 1 703 | 1 890 | 2 084 | 2 290 | 2 503 | 2 726 | 2 961 |       |       |       |     |                                                                  |     |                                                                 |  |  |  |
| 9 1/2        | 11,455                     | 74                                                             | 117  | 170  | 233  | 305  | 388  | 480  | 582  | 695   | 816   | 949   | 1 090 | 1 241 | 1 403 | 1 574 | 1 754 | 1 946 | 2 146 | 2 359 | 2 578 | 2 807 |       |       |       |       |     |                                                                  |     |                                                                 |  |  |  |
| 9 3/4        | 11,767                     | 76                                                             | 120  | 174  | 240  | 314  | 400  | 494  | 599  | 715   | 840   | 977   | 1 122 | 1 277 | 1 444 | 1 620 | 1 805 | 2 003 | 2 208 | 2 427 | 2 653 | 2 889 |       |       |       |       |     |                                                                  |     |                                                                 |  |  |  |
| 10           | 12,030                     | 78                                                             | 123  | 179  | 245  | 321  | 409  | 506  | 613  | 732   | 860   | 1 000 | 1 148 | 1 307 | 1 479 | 1 658 | 1 848 | 2 051 | 2 261 | 2 485 | 2 716 |       |       |       |       |       |     |                                                                  |     |                                                                 |  |  |  |
| 10 1/4       | 12,342                     | 80                                                             | 127  | 184  | 252  | 330  | 420  | 520  | 630  | 752   | 884   | 1 027 | 1 180 | 1 343 | 1 519 | 1 704 | 1 899 | 2 107 | 2 323 | 2 553 | 2 791 |       |       |       |       |       |     |                                                                  |     |                                                                 |  |  |  |
| 10 1/2       | 12,655                     | 82                                                             | 130  | 188  | 259  | 339  | 432  | 534  | 647  | 772   | 907   | 1 055 | 1 212 | 1 379 | 1 560 | 1 749 | 1 950 | 2 164 | 2 386 | 2 622 |       |       |       |       |       |       |     |                                                                  |     |                                                                 |  |  |  |
| 10 3/4       | 12,968                     | 84                                                             | 133  | 193  | 266  | 348  | 443  | 548  | 664  | 793   | 931   | 1 083 | 1 243 | 1 415 | 1 601 | 1 795 | 2 001 | 2 220 | 2 448 |       |       |       |       |       |       |       |     |                                                                  |     |                                                                 |  |  |  |
| 11           | 13,230                     | 86                                                             | 136  | 198  | 271  | 355  | 452  | 559  | 678  | 810   | 951   | 1 106 | 1 270 | 1 446 | 1 635 | 1 834 | 2 043 | 2 268 | 2 500 |       |       |       |       |       |       |       |     |                                                                  |     |                                                                 |  |  |  |
| 11 1/4       | 13,542                     | 88                                                             | 140  | 202  | 278  | 364  | 464  | 573  | 695  | 830   | 975   | 1 133 | 1 302 | 1 482 | 1 676 | 1 879 | 2 094 | 2 324 | 2 563 |       |       |       |       |       |       |       |     |                                                                  |     |                                                                 |  |  |  |
| 11 1/2       | 13,855                     | 91                                                             | 143  | 207  | 285  | 373  | 475  | 587  | 712  | 850   | 998   | 1 161 | 1 333 | 1 518 | 1 717 | 1 925 | 2 145 | 2 381 |       |       |       |       |       |       |       |       |     |                                                                  |     |                                                                 |  |  |  |
| 11 3/4       | 14,167                     | 93                                                             | 146  | 212  | 292  | 382  | 486  | 601  | 729  | 870   | 1 022 | 1 188 | 1 365 | 1 554 | 1 757 | 1 971 | 2 196 | 2 437 |       |       |       |       |       |       |       |       |     |                                                                  |     |                                                                 |  |  |  |
| 12           | 14,430                     | 94                                                             | 149  | 216  | 297  | 390  | 496  | 613  | 743  | 887   | 1 042 | 1 212 | 1 392 | 1 584 | 1 792 | 2 009 | 2 239 |       |       |       |       |       |       |       |       |       |     |                                                                  |     |                                                                 |  |  |  |

Freeboard

50-3.500m³ effective storage capacity

Watertight Butyl (EPDM, Butyl, PVC)

Deadwater

Internal insulation

Tank rim height

Actual tank diameter

non-standard bolt pattern

NOTE: For the tank basement calculation please consider that our tanks are installed with external hydro-jack system, which requires 1m additional place on the basement.  
Example: Tank diam.: 9.33m + installation space = 10.33m = tank base diameter

