

MODULAR

TANKS PVT. LTD

"better by design"

# Unlimited Solutions

For Your Water Storage



Modular Tanks designs and manufactures tanks with great strength and capacity.

Our depth of experience means that we can give you the best advice on tank and pump combinations to maximize the capture, collection and pumping of your most precious resources-water. Our commitment to customer service is second to none. We are fast and efficient.

**Drinking water :**

The superior quality of liner gives you complete-peace-of mind as it secures your precious water better than any other liner can. It's very strong and flexible, with a 250% stretch factor.

Modular tanks water solutions provides you with a **5 year** warranty that covers parts and labour.

**OUR PRODUCT RANGE...**

- \* 30,000 liters to 50,000,00 Liters+
- \* Available in a wide range of finished and colours
- \* All tanks Engineer Certified to Terrain Category 2 Region D (Cyclonic)



▲ 113 KL Ltrs. Installed at Pune, India



▶ 150 KL + 20 KL at an auto ancillary TVS unit in Rudrapur, India.



▶ Over 1.6 million Ltrs. Installed at Ludhiana, India



▶ 5 million Ltrs. Installed at DBC BUNBURY Australia.

▶ 1 million Ltrs. Installed at World Island project, Dubai.



▶ Over 1.5 million Ltrs. Installed at ITC Pune, India



**AQUADOME CAPACITIES IN LITERS**

| Tank Height in Metres |          | 1.72    | 2.56      | 3.40      | 4.24      | 5.08      | 5.92      | 6.76      | 7.60      | 8.44      | 9.28      | 10.12     |
|-----------------------|----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Model                 | Diameter |         |           |           |           |           |           |           |           |           |           |           |
| AD 10                 | 2.63     | 9,314   | 13,862    | 18,410    | 22,959    | 27,507    | 32,056    | 36,604    | 41,153    | 45,701    | 50,250    | 54,798    |
| AD 25                 | 3.50     | 16,557  | 24,644    | 32,730    | 40,816    | 48,902    | 56,988    | 65,074    | 73,160    | 81,247    | 89,333    | 97,419    |
| AD 40                 | 4.38     | 25,871  | 38,506    | 51,140    | 63,775    | 76,409    | 89,044    | 101,679   | 114,313   | 126,948   | 139,582   | 152,217   |
| AD 65                 | 5.25     | 37,254  | 55,448    | 73,642    | 91,836    | 110,029   | 128,223   | 146,417   | 164,611   | 182,805   | 200,999   | 219,193   |
| AD 100                | 6.13     | 50,707  | 75,471    | 100,235   | 124,999   | 149,762   | 174,526   | 199,290   | 224,054   | 248,818   | 273,582   | 298,346   |
| AD 120                | 7.00     | 66,229  | 98,574    | 130,919   | 163,263   | 195,608   | 227,953   | 260,297   | 292,642   | 324,987   | 357,331   | 389,676   |
| AD 175                | 7.88     | 83,822  | 124,758   | 165,694   | 206,630   | 247,566   | 288,503   | 329,439   | 370,375   | 411,311   | 452,247   | 493,183   |
| AD 200                | 8.75     | 103,484 | 154,022   | 204,561   | 255,099   | 305,637   | 356,176   | 406,714   | 457,253   | 507,791   | 558,330   | 608,868   |
| AD 250                | 9.63     | 125,215 | 186,367   | 247,518   | 308,670   | 369,821   | 430,973   | 492,124   | 553,276   | 614,428   | 675,579   | 736,731   |
| AD 300                | 10.50    | 149,016 | 221,792   | 294,567   | 367,343   | 440,118   | 512,893   | 585,669   | 658,444   | 731,220   | 803,995   | 876,770   |
| AD 350                | 11.38    | 174,887 | 260,297   | 345,707   | 431,117   | 516,527   | 601,937   | 687,347   | 772,757   | 858,167   | 943,578   | 1,028,988 |
| AD 400                | 12.25    | 202,828 | 301,883   | 400,939   | 499,994   | 599,049   | 698,105   | 797,160   | 896,216   | 995,271   | 1,094,327 | 1,193,382 |
| AD 450                | 13.13    | 232,838 | 346,550   | 460,261   | 573,973   | 687,684   | 801,396   | 915,108   | 1,028,819 | 1,142,531 | 1,256,242 | 1,369,954 |
| AD 500                | 14.00    | 264,918 | 394,296   | 523,675   | 653,053   | 782,432   | 911,810   | 1,041,189 | 1,170,568 | 1,299,946 | 1,429,325 | 1,558,703 |
| AD 550                | 14.88    | 299,067 | 445,124   | 591,180   | 737,236   | 883,292   | 1,029,349 | 1,175,405 | 1,321,461 | 1,467,517 | 1,613,573 | 1,759,630 |
| AD 600                | 15.75    | 335,287 | 499,031   | 662,776   | 826,521   | 990,265   | 1,154,010 | 1,317,755 | 1,481,500 | 1,645,244 | 1,808,989 | 1,972,734 |
| AD 650                | 16.63    | 373,576 | 556,020   | 738,463   | 920,907   | 1,103,351 | 1,285,795 | 1,468,239 | 1,650,683 | 1,833,127 | 2,015,571 | 2,198,015 |
| AD 700                | 17.50    | 413,934 | 616,088   | 818,242   | 1,020,396 | 1,222,550 | 1,424,704 | 1,626,858 | 1,829,012 | 2,031,166 | 2,233,320 | 2,435,474 |
| AD 750                | 18.38    | 456,362 | 679,237   | 902,112   | 1,124,987 | 1,347,861 | 1,570,736 | 1,793,611 | 2,016,485 | 2,239,360 | 2,462,235 | 2,685,110 |
| AD 800                | 19.26    | 500,860 | 745,467   | 990,073   | 1,234,679 | 1,479,285 | 1,723,892 | 1,968,498 | 2,213,104 | 2,457,710 | 2,702,317 | 2,946,923 |
| AD 850                | 20.13    | 547,428 | 814,777   | 1,082,125 | 1,349,474 | 1,616,822 | 1,884,171 | 2,151,519 | 2,418,868 | 2,686,217 | 2,953,565 | 3,220,914 |
| AD 900                | 21.01    | 596,065 | 887,167   | 1,178,269 | 1,469,370 | 1,760,472 | 2,051,574 | 2,342,675 | 2,633,777 | 2,924,879 | 3,215,980 | 3,507,082 |
| AD 950                | 21.88    | 646,772 | 962,638   | 1,278,503 | 1,594,369 | 1,910,234 | 2,226,100 | 2,541,965 | 2,857,831 | 3,173,696 | 3,489,562 | 3,805,427 |
| AD 1000               | 22.76    | 699,549 | 1,041,189 | 1,382,829 | 1,724,469 | 2,066,109 | 2,407,750 | 2,749,390 | 3,091,030 | 3,432,670 | 3,774,310 | 4,115,950 |
| AD 1050               | 23.63    | 754,395 | 1,122,821 | 1,491,246 | 1,859,672 | 2,228,097 | 2,596,523 | 2,964,948 | 3,333,374 | 3,701,799 | 4,070,225 | 4,438,650 |
| AD 1100               | 24.51    | 811,311 | 1,207,533 | 1,603,754 | 1,999,976 | 2,396,198 | 2,792,420 | 3,188,641 | 3,584,863 | 3,981,085 | 4,377,306 | 4,773,528 |
| AD 1150               | 25.38    | 870,297 | 1,295,325 | 1,720,354 | 2,145,383 | 2,570,411 | 2,995,440 | 3,420,469 | 3,845,497 | 4,270,526 | 4,695,554 | 5,120,583 |
| AD 1200               | 26.26    | 931,352 | 1,386,198 | 1,841,045 | 2,295,891 | 2,750,737 | 3,205,584 | 3,660,430 | 4,115,276 | 4,570,123 | 5,024,969 | 5,479,815 |



230 kl.  
Valsad, India



24 kl. x 4 Tanks  
Solapur, India



500 kl. x 2 Tanks  
Silvassa, India



1.3 Million Ltrs.  
Hyderabad, India

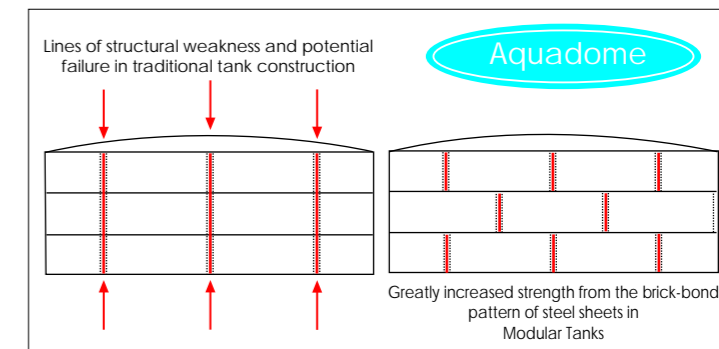
## TOWER TANKS



Over 140 KL Ltrs.  
Installed at  
Ludhiana, India



## QUALITY PRODUCTS



### ROOF TRUSSES

- G Fully welded
- G Hot dipped galvanised
- G Tanks bolted together with electro-galvanised high tensile nuts and bolts



### STRENGTH AND DURABILITY...

- G Panel Walls uniquely staggered to maximise & provide superior strength.
- G Panel profile enhances strength and durability of the tank.

### MATERIALS USED

- G 1mm BMT Bluescope -----Steel or Colorbond Sheets.
- G Tank walls are 40% thicker than many other tanks on the markets..

|                  | Concrete Tanks   | Conventional Steel Panel  | Modular tanks  |
|------------------|--|---|--|
| Price            | Most Expensive   | Expensive   | Economical   |
| Erection time    | Extremely long to build -considering the excavation, shuttering, pouring and curing time | long time   | Extremely fast, a 5lac liter tank can be built ! in 4 working days       |
| Leakages         | Plenty of cracks appear over time.   | Highly susceptible to leakages as there is no liner                 | Least prone to leakages. Can only develop a leak if the liner is damaged |
| Corrosion        | YES  | YES   | NO   |
| Quality of water | POOR. Growth of algae, fungus and bacteria in the pores of the concrete surface          | POOR. Rusting of panels a big deterrent. Growth of algae and fungus | NO growth of fungus or algae.  |
| Design life      | Under 50 years   | Under 25 years  | Over 50 years  |
| Storage          | Limited  | Limited   | Unlimited  |
| Maintenance Cost | Mandatory routine maintenance  | Mandatory routine maintenance                                       | Only Cleaning by soft brush  |
| Cleaning         |  | Frequently  | Very Rare  |
| Warranty         |  | -----   | 5 year   |

# FITTINGS



Clint's have unlimited choice of Fittings and Accessories :

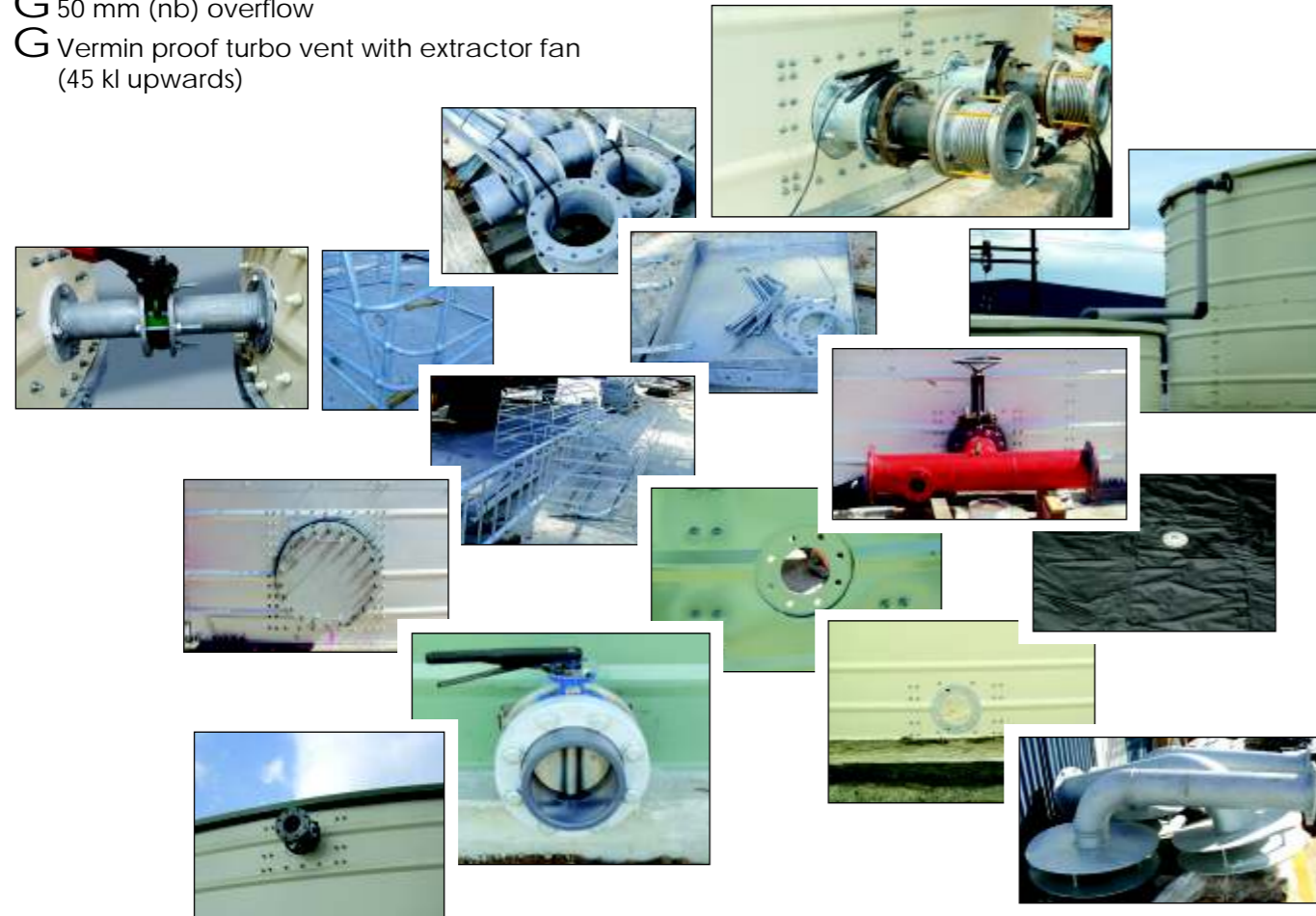
- G Nozzles to all sizes
- G All Flange types
- G Ladders
- G Platforms
- G Specialised Instrument fittings

Complex Piping Network... NO PROBLEM



## Standard Fittings on each tank

- G Food Grade liner for potable water certified and passed to AS/NZS 4020 :1999 standards
- G 50 mm (nb) overflow
- G Vermin proof turbo vent with extractor fan (45 kl upwards)



**Colorbond®**

### Whirlybird

- G Vermin proof
- G Removes most of the condensation-preventing corrosion to the roof
- G Keeps the water fresher and cooler.



### 50 mm Ball Valve

- G UV stable polypropylene
- G Full flow-not restricted
- G Long Life
- G Hard wearing and durable



# LINERS



We import two different materials for the manufacture liners for tanks. Both the materials are exclusive to MODULAR TANKS Solutions. All liners meet AS4020 Drinking water standard.

## 0.55 Potable Aquatex PVC

The one that we use for potable water is 0.55 min thickness. It is a PVC material that we have especially for Australian conditions. It has a much harder texture that any other PVC on the market, while it will still stretch it is not prone to shrinking as all soft compound ones are. It is also much harder to puncture and it yet still retains the ability to be repaired under water with a simple glue-on-patch..

## 0.8 Duplex UV Stable PVC

This material is used where there is high UV or there it is likely to be a harsher environment. This material is not for potable water as it is UV stable. It is a laminated product so it is very strong and also a hard material for Indian condition.

We have made and installed liners up to 20 mtrs. In a diameter and 6 meter high. we have the ability to go to site to measure, manufacture and install with minimum of down time. Because we use PVC, our weld is the strongest part of our liner, not the weakest like woven materials or HDPE/LDPE materials.



320 kl. + 208 kl. x 2 Ltrs. Baramati, India

## Why PVC?

PVC(Poly vinyl chloride) is 1.8 times the strength of HDPE/LDPE SO OUR 0.55 is equal to 1.0 mm material. Our 0.8 is equal to 1.5 mm but our material is still flexible and will conform to any shape or contour which means no folds or creases to catch on equipment. PVC will take higher and lower temperatures than HDPE/LDPE.

PVC is permanently repairable wet or dry without special tools or training. PVC is the only material that truly welds together. The weld penetrates right through the material, not just the top surfaces as with layered materials.



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