



**SINGTECH
(M) SDN BHD**

(1113607-X)



PRESSED STEEL & HOT DIPPED GALVANIZED SECTIONAL PANEL TANK

Economical, flexible, reusable and recyclable containment system for fire protection, industrial & commercial water storage system, food & factory production and waste water management and industries.

PROJECT REFERENCE



HIGH RISE / COMMERCIAL

- JKG Tower, Kuala Lumpur
- SKY Residence, Kuala Lumpur
- Lakeville, Kuala Lumpur
- Paradigma, Kuala Lumpur
- Southville, Bangi
- Mid Valley, Kuala Lumpur
- Legoland, IUOYUAN Iskandar, Johor
- Spritzer, Kuala Lumpur
- Icon City, Kuala Lumpur
- M-City, Ampang, Selangor
- MK 20, Mont Kiara, Kuala Lumpur
- Glomac Reflection, Mutiara Damansara, Selangor
- Lush Hotel, Kuala Lumpur
- Medong Serai, Bangsar, Kuala Lumpur
- Ceria Sunshine , Club House, Cyberjaya
- Senior Golfers Project, TTDI, Kuala Lumpur
- Foresta, Sri Damansara, Selangor
- MKN Embassy, Cyberjaya, Selangor
- 988 Suez Domain, Kuala Lumpur
- The Ruma, Kuala Lumpur
- Ken Rimba, Shah Alam, Selangor
- Tropicana Danga Bay, Johor
- Perbadanan PPAIM, Presint 6, Putrajaya
- Zhouyan Iskandar, Johor
- P981 Imperio, Melaka
- Natural Domain, Sungai Besi, Kuala Lumpur
- I-City, Shah Alam, Selangor
- P976 Suez Domain, Kuala Lumpur
- M.K.20, Damansara, Selangor
- Bersama Melesatri, Sungai Besi, Kuala Lumpur
- M.K.30, Mont Kiara, Kuala Lumpur

FACTORY / INDUSTRIAL

- TC , Telok Gong
- AK, PKFZ, Klang
- ACS, Kota Damansara
- Rewa Industries Sdn Bhd, Port Klang
- A-Famosa, Melaka
- Nice Frontier Sdn Bhd, Kulai Industrial Park, Johor
- Sunmaju Sdn Bhd, Sungai Buloh, Selangor
- Yun Jin Bao Sdn Bhd, Melaka
- Alternatif Bina Sdn Bhd, Selangor
- Holiday Villa Hotel, Subang Jaya, Selangor
- Ellipse Industry Sdn Bhd, Rawang, Selangor
- Yoong Onn, Nilai, Negeri Sembilan
- Airport Batu Berendam, Melaka
- Timber Tone Industries Sdn Bhd
- MAOHS, Melaka
- Fortson Sdn Bhd, Kuala Lumpur
- SYF Hardware Sdn Bhd, Balakong, Selangor
- Shui Xing Ventures, Port Klang
- Seng Yip Furniture Sdn Bhd, Simpang Petang, Negeri Sembilan
- Tohoku Auto Parts Sdn Bhd, Kapar, Klang
- Lih Hing Trading & Transport Sdn Bhd, Perai, Penang
- Supreme Power Marketing, Mukim Cheng, Melaka
- CPI Sdn Bhd, Teluk Panglima Garang, Klang, Selangor
- Edmark Industries Sdn Bhd
- TT YEO Holding Sdn Bhd, Johor
- Hing Yip Tin Mining Sdn Bhd, Subang Jaya, Selangor
- Fuyuu Hotel, Double Tree, Melaka
- Leonmil Trading Sdn Bhd
- Polymax Sdn Bhd, Olak Lempit, Sepang
- Willy Motor Works Sdn Bhd, Segambut, Kuala Lumpur
- APS Alternator Sdn Bhd, Segambut, Kuala Lumpur
- Hatten City, Melaka
- Porsche, Chan Sow Lin, Kuala Lumpur
- Rozel Corporation Sdn Bhd, Old Klang Road, Kuala Lumpur
- Sasa Office & Warehouse, Shamelin, Kuala Lumpur
- SY.Logistik Peti Emas Sdn Bhd, PKFZ, Klang
- Maxter Glove Manufacturing Sdn Bhd, Meru, Klang
- Mah Sing, Sungai Buloh, Selangor
- Ecohill Clubhouse, Semenyih, Selangor
- U M City, Seremban, Negeri Sembilan
- Thermofoam Marketing Sdn Bhd, B.Beruntung, Selangor
- SH Cogent Logistic Sdn Bhd, Pulau Indah, Klang
- Greatplatform Sdn Bhd, Semenyih, Selangor
- S-Form, Sendayan, Negeri Sembilan
- Hi-Tech 7, Semenyih, Selangor
- Maxter Glove Manufacturing Sdn Bhd, Alor Gajah, Melaka
- HCK Venture Holdings Sdn Bhd, Kuala Lumpur
- Vedro Mall, Melaka
- Kim Teck Lee Timber Trading Sdn Bhd, Olak Lempit, Sepang
- Grolier Malaysia Sdn Bhd, Balakong, Selangor
- TM4, PKFZ, Klang
- Saujana Resort, Shah Alam, Selangor
- GM Klang, Selangor
- IMS Metal Processing Sdn Bhd
- Xin Feng International Trading Sdn Bhd
- Loyal Landmark Sdn Bhd
- Scientex, Shah Alam , Selangor
- Yee Hup Construction Co, Semenyih, Selangor
- SJK (C) KHE Beng, Kemuning, Selangor
- Yumei Technology Sdn Bhd, Melaka
- PMT- Dong Yuan Industries Sdn Bhd
- Foraypack Industries Sdn Bhd, B.Beruntung, Selangor
- LTS 001, Senawang, Selangor
- MYDIN, Senawang, Negeri Sembilan
- Acacia Fabrics Sdn Bhd, Kuala Lumpur
- Stoneace Industries Sdn Bhd, Selangor
- Scientex, Pulau Indah, Klang
- Climax, PKFZ, Klang

Capacity Table: 1.22 Meter x 1.22 Meter Panel

Table of sizes, approximate weights and nominal capacity of tanks with external flanges-B.S. 1564:1975 (revised)

| Height of Tank 1220mm (4 feet) | | | | | |
|--------------------------------|---------|--------------------|----------------|-----------|---------------------------------|
| Length x Breath | | Nominal Capacity** | | | |
| mm | Feet | Plates* 5mm | M ³ | Gallons** | Approx. empty tank Wt. Mt |
| 1220 x 1220 | 4 x 4 | 5 | 1.82 | 400 | 0.40 |
| 2440 x 1220 | 8 x 4 | 8 | 3.64 | 800 | 0.65 |
| 3660 x 1220 | 12 x 4 | 11 | 5.45 | 1200 | 0.85 |
| 2440 x 2440 | 8 x 8 | 12 | 7.27 | 1600 | 0.95 |
| 3660 x 2440 | 12 x 8 | 16 | 10.91 | 2400 | 1.25 |
| 4880 x 2440 | 16 x 8 | 20 | 14.55 | 3200 | 1.55 |
| 6660 x 3660 | 12 x 12 | 21 | 16.36 | 3600 | 1.65 |
| 6100 x 3440 | 20 x 8 | 24 | 18.18 | 4000 | 1.90 |
| 4880 x 3660 | 16 x 12 | 26 | 21.82 | 4800 | 2.05 |
| 6100 x 3660 | 20 x 12 | 31 | 27.27 | 6000 | 2.45 |
| 4880 x 4880 | 16 x 16 | 32 | 29.09 | 6400 | 2.55 |
| 7320 x 3660 | 24 x 12 | 36 | 32.73 | 7200 | 2.85 |
| 6100 x 4880 | 20 x 16 | 38 | 36.36 | 800 | 3.00 |
| 8540 x 3660 | 28 x 12 | 41 | 38.18 | 8400 | 3.30 |
| 7320 x 4880 | 24 x 16 | 44 | 43.64 | 9600 | 3.45 |
| 6100 x 6100 | 20 x 20 | 45 | 45.45 | 10000 | 3.55 |
| 8540 x 4880 | 28 x 16 | 50 | 50.91 | 11200 | 4.00 |
| 7320 x 6100 | 24 x 20 | 52 | 54.55 | 12000 | 4.10 |
| 9760 x 4880 | 32 x 16 | 56 | 58.18 | 12800 | 4.60 |
| 7320 x 7320 | 24 x 24 | 60 | 65.45 | 14400 | 4.65 |
| 8540 x 8540 | 28 x 28 | 77 | 89.09 | 19600 | 6.05 |

| Height of Tank 2440mm (8 feet) | | | | | |
|--------------------------------|---------|--------------------|----------------|-----------|---------------------------------|
| Length x Breath | | Nominal Capacity** | | | |
| mm | Feet | Plates* 5mm | M ³ | Gallons** | Approx. empty tank Wt. Mt |
| 2440 x 1220 | 8 x 4 | 14 | 7.27 | 1600 | 1.15 |
| 3680 x 1220 | 12 x 4 | 19 | 10.91 | 2400 | 1.60 |
| 4880 x 1220 | 16 x 4 | 24 | 14.55 | 3200 | 2.05 |
| 2440 x 2440 | 8 x 8 | 20 | 14.55 | 3200 | 1.65 |
| 3660 x 2440 | 12 x 8 | 26 | 21.82 | 4800 | 2.15 |
| 4880 x 2440 | 16 x 8 | 32 | 29.09 | 6400 | 2.65 |
| 3660 x 3660 | 12 x 12 | 33 | 32.73 | 7200 | 2.70 |
| 6100 x 2440 | 20 x 8 | 38 | 36.36 | 8000 | 3.10 |
| 4880 x 3660 | 16 x 12 | 40 | 43.64 | 9600 | 3.25 |
| 6100 x 3660 | 20 x 12 | 47 | 54.55 | 12000 | 3.85 |
| 4880 x 4880 | 16 x 16 | 48 | 58.18 | 12800 | 3.95 |
| 7320 x 3660 | 24 x 12 | 54 | 65.45 | 14400 | 4.40 |
| 6100 x 4880 | 20 x 16 | 56 | 72.73 | 16000 | 4.60 |
| 8540 x 3660 | 28 x 12 | 61 | 76.36 | 16800 | 5.00 |
| 7320 x 4880 | 24 x 16 | 64 | 87.27 | 19200 | 5.30 |
| 6100 x 6100 | 20 x 20 | 65 | 90.91 | 20000 | 5.45 |
| 8540 x 4880 | 28 x 16 | 72 | 101.82 | 22400 | 6.00 |
| 7320 x 6100 | 24 x 20 | 74 | 109.09 | 24000 | 6.05 |
| 9760 x 4880 | 32 x 16 | 80 | 116.36 | 25600 | 6.70 |
| 7320 x 7320 | 24 x 24 | 84 | 130.91 | 28800 | 6.95 |
| 8540 x 8540 | 28 x 28 | 105 | 178.18 | 39200 | 8.60 |

| Height of Tank 3660mm (12 feet) | | | | | |
|---------------------------------|---------|--------------------|----------------|-----------|---------------------------------|
| Length x Breath | | Nominal Capacity** | | | |
| mm | Feet | Plates* 5mm | M ³ | Gallons** | Approx. empty tank Wt. Mt |
| 3660 x 3660 | 14 x 12 | 45 | 49.09 | 10800 | 4.50 |
| 4800 x 3660 | 16 x 12 | 54 | 65.45 | 14400 | 5.45 |
| 4800 x 4800 | 16 x 16 | 64 | 87.27 | 19200 | 6.45 |
| 6100 x 4880 | 20 x 16 | 74 | 109.09 | 24000 | 7.50 |
| 6100 x 6100 | 20 x 20 | 85 | 136.36 | 30000 | 8.55 |
| 7320 x 6100 | 24 x 20 | 96 | 163.64 | 36000 | 9.80 |
| 7320 x 7320 | 24 x 24 | 108 | 196.36 | 43200 | 10.95 |
| 8540 x 7320 | 28 x 24 | 120 | 229.09 | 50400 | 12.30 |
| 8540 x 8540 | 28 x 28 | 133 | 267.27 | 58800 | 13.65 |
| 9760 x 8540 | 32 x 28 | 146 | 305.45 | 67200 | 15.00 |
| 10980 x 8540 | 36 x 28 | 159 | 343.64 | 75600 | 16.35 |
| 9760 x 9760 | 32 x 32 | 160 | 349.09 | 76800 | 16.45 |
| 10980 x 9760 | 36 x 32 | 174 | 392.73 | 86400 | 17.95 |
| 12200 x 9760 | 40 x 32 | 188 | 436.36 | 96000 | 19.40 |
| 10980 x 10980 | 36 x 36 | 189 | 441.82 | 97200 | 19.50 |
| 12200 x 10980 | 40 x 36 | 204 | 490.91 | 108000 | 21.05 |
| 12200 x 12200 | 40 x 40 | 220 | 545.45 | 120000 | 22.80 |
| 13420 x 12200 | 44 x 40 | 236 | 600.00 | 132000 | 24.45 |
| 13420 x 13420 | 44 x 44 | 253 | 660.00 | 145200 | 26.35 |
| 14640 x 13420 | 48 x 44 | 270 | 718.18 | 158400 | 28.10 |
| 14640 x 14640 | 48 x 48 | 288 | 785.45 | 172800 | 30.05 |
| 15860 x 14640 | 52 x 48 | 306 | 850.91 | 187200 | 31.90 |
| 15860 x 15860 | 52 x 52 | 325 | 921.82 | 202800 | 33.95 |

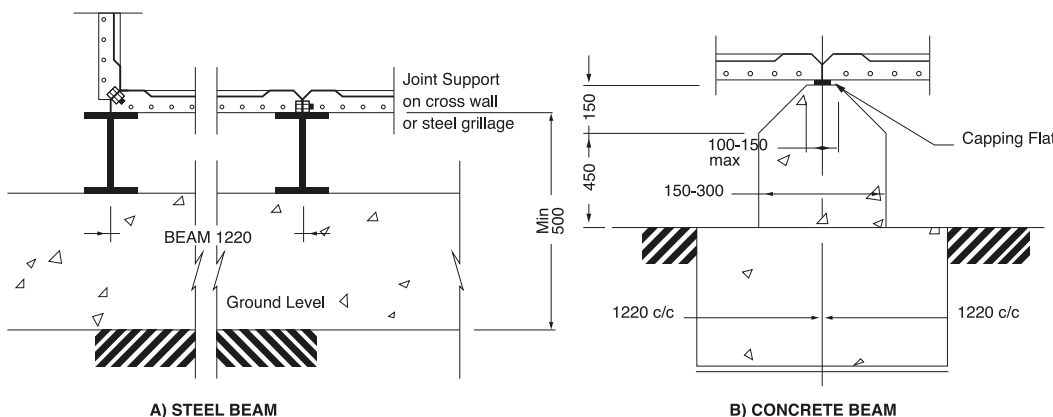
| Height of Tank 4880mm (16 feet) | | | | | | |
|---------------------------------|---------|---------|-----|--------------------|-----------|---------------------------------|
| Length x Breath | | Plates* | | Nominal Capacity** | | Approx. empty tank Wt. Mt |
| mm | Feet | 5mm | 6mm | M ³ | Gallons** | |
| 3660 x 3660 | 12 x 12 | 36 | 21 | 65.45 | 14400 | 6.25 |
| 4800 x 3660 | 16 x 12 | 42 | 26 | 87.27 | 19200 | 7.60 |
| 4800 x 4800 | 16 x 16 | 48 | 32 | 116.36 | 25600 | 8.75 |
| 6100 x 4800 | 20 x 16 | 54 | 38 | 145.45 | 32000 | 10.05 |
| 6100 x 6100 | 20 x 20 | 60 | 45 | 181.82 | 40000 | 11.50 |
| 7320 x 6100 | 24 x 24 | 66 | 52 | 218.18 | 48000 | 13.00 |
| 7320 x 7320 | 24 x 24 | 72 | 60 | 261.82 | 57600 | 14.60 |
| 8540 x 7320 | 28 x 24 | 78 | 68 | 305.45 | 67200 | 16.10 |
| 8540 x 8540 | 28 x 28 | 84 | 77 | 356.36 | 78400 | 17.75 |
| 9760 x 8540 | 32 x 28 | 90 | 86 | 407.27 | 89600 | 19.50 |
| 10980 x 8540 | 36 x 28 | 96 | 95 | 458.18 | 100800 | 21.10 |
| 9760 x 9760 | 32 x 32 | 96 | 96 | 465.45 | 102400 | 21.30 |
| 10980 x 9760 | 36 x 32 | 102 | 106 | 523.64 | 115200 | 23.30 |
| 12200 x 9760 | 40 x 32 | 108 | 116 | 581.82 | 128000 | 24.90 |
| 10980 x 10980 | 36 x 36 | 108 | 117 | 589.09 | 129600 | 25.30 |
| 12200 x 10980 | 40 x 36 | 114 | 128 | 654.55 | 144000 | 26.95 |
| 12200 x 12200 | 40 x 40 | 120 | 140 | 727.27 | 160000 | 29.00 |
| 13420 x 12200 | 44 x 40 | 126 | 152 | 800.00 | 176000 | 31.00 |
| 13420 x 13420 | 44 x 44 | 132 | 165 | 880.00 | 193600 | 33.25 |
| 14640 x 13420 | 48 x 44 | 138 | 178 | 960.00 | 211200 | 35.35 |
| 14640 x 14640 | 48 x 48 | 144 | 192 | 1047.27 | 230400 | 37.60 |
| 15860 x 14640 | 52 x 48 | 150 | 206 | 1134.55 | 249600 | 39.90 |
| 15860 x 15860 | 52 x 52 | 156 | 221 | 1229.09 | 270400 | 42.30 |

Note: *Number of plates does not include partition plates and tank covers.

**a) Nominal capacity are without allowance for freeboard. (Basing on 6.25imp. gallon per cu.ft.)

**b) To estimate net capacity a reduction from 12.5% on smaller tanks to 2.5% on larger tank should be allowed.

TYPICAL TANK SUPPORT 1.22M x 1.22M



- All measurement in mm.
- Tank above 3660mmHt, steel capping flats shall be provided by purchaser on top of tank concrete support to ensure proper leveling and uniform distribution load.
- Support shall be effectively supported continuously under each bottom plate's flange in one direction @ 1220mm centres exceeding 150mm the length or breath of tank. Tolerance of ± 6.0 mm for level and diagonals between each row of support.
- Min. clearance of 500mm shall be provided all around the outside or underneath of tank for erection and maintenance purpose. Min 750mm clearance at roof top for ease access via 600mm manhole hatch.

GENERAL SPECIFICATION

| | |
|--|--|
| Standard |  pressed steel sectional water tanks constructed with hydraulic pressed external flanged panels at an angle 45 degree and 90 degree to face of panel conforming to BS 1564 :1975. |
| Materials | The steel used in manufacture of the panels, stays, cleats conform to the requirements of BS EN 10025 : 2004 Grade S275 or equivalent. |
| Tank Panel Size | Tank panels of 1220mm x 1220mm (4ft x 4ft) square and other dimension of panels are available upon request. |
| Tank Cover | 1.5mm and 2.0mm thick are hydraulically pressed to 1220mm x 1220mm (4ft x 4 ft) square.Covers are supported by trusses 600mm x 600mm square manhole and 100mm air-vent supplied as standard for each compartment. |
| Stays and Cleats | Tank internal side and ends are supported by angle stays. Angle stays are connected from sides to bottoms, end to bottoms and/ or horizontally sides to sides, sides to ends subject to the tank design and size. |
| Bolts and Nuts and Washer | Bolts, nuts and washers are conforms to BSW 916 or equivalent when necessary determined by Manufacturer. |
| Jointing Materials | Non-toxic sealant and compound or equivalents are supplied for all tank panel joints. |
| Internal & External Cat Ladders | Hot dipped galvanized (HDG), aluminium (conforms with BS EN 131-2 : 1993) or equivalent type are provided for both internal and external of tank. |
| Level Indicator | Standard mechanical mild steel level indicator or equivalent. |
| Finishes | - Hot Dipped Galvanized (HDG) ISO 1461 : 2009 - Black Bituminous Coated |

Notes:

- (1) Manufacturing specification is subject to change without prior notice.
- (2) Manufacturing specification can be customized based on the buyer's requirement and subject to manufacturer's approval and safety compliance.
- (3) It is recommended to be installed by appointed and approved skilled installer ONLY.
- (4) It is recommended to be checked and certified by appointed technician upon complete installation and prior filling of water to ensure performance otherwise the warranty shall be revoke immediately.
- (5) Warranty is issued upon request.



WATER TANK REFURBISHMENT & MAINTENANCE SERVICES

PREVENTION BETTER THAN CURE

Tailor-made and **Cost effective** refurbishment plans subject on customer requirements.

Why should seek for us (Singtech Industries (M) Sdn Bhd) ?

- Free tank inspection, consultation and proposal for all types of water tanks.
- Immediate replacement of all the tank components and parts.
- Tailor-made and cost effective refurbishment plans based on your requirements and budget.
- Provide warranty subject to the case by case from 2 years up to 10 years.

CERTIFICATE



| SPAN | |
|-----------------------------------|---|
| Listing Details | |
| SPAN Listing No. | 3001080000001 |
| Supplier | SINGTECH INDUSTRIES (M) SDN BHD., 11388BT, 8, 11, JALAN HI-TECH 6/1, KAWASAN PERINDUSTRIAN HI-TECH SEMENYIH, 43500 KAJANG SELANGOR DARUL EHSAN. Tel: 6038413933 Fax: 6038424550 |
| Manufacturer | SINGTECH INDUSTRIES (M) SDN BHD., 11, JALAN HI-TECH 6/1, KAWASAN PERINDUSTRIAN HI-TECH SEMENYIH, 43500 KAJANG SELANGOR DARUL EHSAN |
| Principal | SINGTECH INDUSTRIES (M) SDN BHD., 11, JALAN HI-TECH 6/1, KAWASAN PERINDUSTRIAN HI-TECH SEMENYIH, 43500 KAJANG SELANGOR DARUL EHSAN |
| Category | A (WATER) |
| Group | STORAGE OF WATER |
| Product | STORAGE CISTERN / TANK |
| Type | PRESSED STEEL SECTIONAL WATER TANK |
| Sub-type | NA |
| Description | PANEL FINISHING: HOT DIPPED GALVANIZED FLANGE JOINTS: TYPE 1 NOMINAL SIZE: 1220mm x 5mm 1220mm x 1220mm x 5mm |
| Brands | STI |
| Standard | BS 1564: 1975 |
| Certificate No. & Certificate No. | SIRIM PC002772 |
| Certificate Scope | PRESSED STEEL SECTIONAL RECTANGULAR TANK/PANEL |
| Valid Until | 03/02/2018 |

Standard : BS 1564 : 1975
Certificate No : SIRIM PC002772



SINGTECH INDUSTRIES (M) SDN BHD (1113607-X)

FACTORY

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