



# SPARTAN INTERNATIONAL



## KINGSPAN RHINO WATER TANKS





Spartan International is a privately owned and operated Thai business. We manufacture and install Kingspan Rhino Water Tanks® under licence from Kingspan Water and Energy Pty., Ltd. We draw upon the 90 years of water tank experience from Kingspan Water and Energy Pty., Ltd. to produce our exceptional quality lined steel water tanks in Thailand for domestic, commercial and industrial use with sizes ranging from 15,000 Litres to 3.4 million Litres.

We manufacture our tanks and tank liners in our dedicated ISO certified factory which means we can control the quality of every aspect of the tank from manufacturing through to installation. We produce the tank wall and roof sheets either from BlueScope® Zinalume® or BlueScope® ColorBond® high tensile steel. The food grade Infinity liners are fabricated in-house using a specialized reinforced metallocene coated LLDPE material which is suitable for a wide range of liquids including various standards of water.

Kingspan Rhino Water Tanks® are designed to have a 60 year service life and with a network of Rhino Water Tank Agents and tank installers nationally and internationally we are never far away.



# Kingspan Rhino Water Tanks®

## Water tank wall profiles

Our corrugated wall sheets are cold-rolled high tensile steel sheets manufactured from genuine BlueScope® ColorBond® or Zinalume® steel. The structure is composed of corrugated sheeting that is rolled and curved by our custom made roll forming machinery. The corrugated profile provides increased wall strength and durability.



## Water tank roofing

The roof structures of our Kingspan Rhino Water Tanks® are designed to carry dead and live loads in accordance with AS/NZS 1170.

We produce our high tensile corrugated roof sheets from genuine BlueScope® ColorBond® or Zinalume® steel in a similar process to the wall sheet.

The roof trusses are fabricated from standard steel sections in accordance with AS/NZS 4100 and AS/NZS 4600. All roof trusses are hot dipped galvanized after fabrication in accordance with AS/NZS 4680





## Water tank base

The water tank must be installed on a properly designed concrete floor or concrete ring beam. The ring beam design is dependent on the tank size and location. Appropriate design specification drawings and guidance can be provided to our customers.

## Transportation

Kingspan Rhino Water Tanks® are delivered to to site in flat pack form and then assembled on site. This knockdown format allows us to deliver and assemble tanks in areas with restricted access where conventional tank designs or preformed tanks are not viable.



## Installation

We have a network of specially trained tank installers. The method of installation will depend on the size of the tank and the specific location; however, our installers always focus on quality and excellent service to ensure the job is manufactured, supplied and installed to the customer's specific requirements.



## Corrosion Protection

All of the steel elements on our Kingspan Rhino Water Tanks are protected against corrosion either by hot dip galvanizing or by the BlueScope coatings. These coatings provide cathodic protection against corrosion; however, this protection is limited. The use of sacrificial anodes becomes the first defence against corrosion and the galvanizing and BlueScope coatings become the secondary line of defence. These sacrificial anodes allow us to provide an incomparable level of additional protection against corrosion.

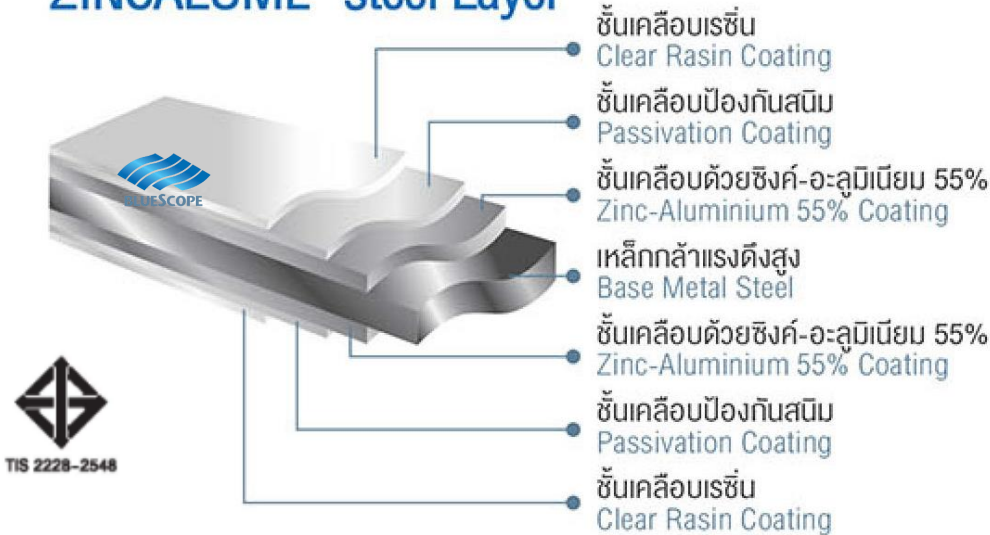


# Wall and roof sheet materials

Zincalume®

clean Colorbond®

## ชั้นเคลือบเหล็กเคลือบโลหะซิงคาลูม ZINCALUME® steel Layer



## ชั้นเคลือบเหล็กเคลือบสีคัลเลอร์บอนด์ COLORBOND® steel Layer









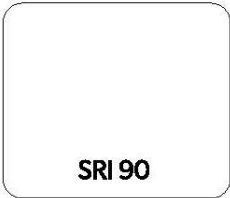
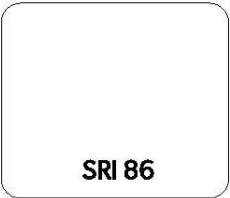












# NS Bluescope® Thailand colour range

All Kingspan Rhino Water Tanks® manufactured exclusively from genuine BlueScope® Zinalume® or BlueScope® ColorBond® products.



## STANDARD COLOR RANGES

 SRI 34 Bangkok Red	 SRI 36 International Brown	 SRI 55 Jade Green	 SRI 63 Desert Wind	 SRI 69 Burnt Almond
 SRI 26 Ocean Blue	 SRI 53 Alloy Grey	 SRI 84 Off White	 SRI 90 Thredbo White	 SRI 86 Aiyara White
 SRI 70 In Light Grey	 SRI N/A Valiant Grey	 SRI 24 Carbonic Grey	 SRI 24 Army Green	 SRI 19 UK Blue
 SRI 23 Earth Brown	 SRI 46 Custard Orange	 SRI 23 Posh Grey	 SRI N/A Night Sky	 SRI 24 Tobac Brown



# Reinforced Food Grade Tank Liners

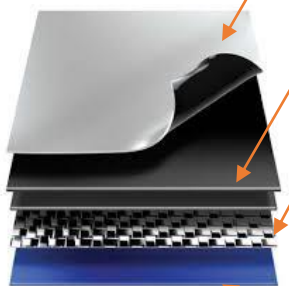
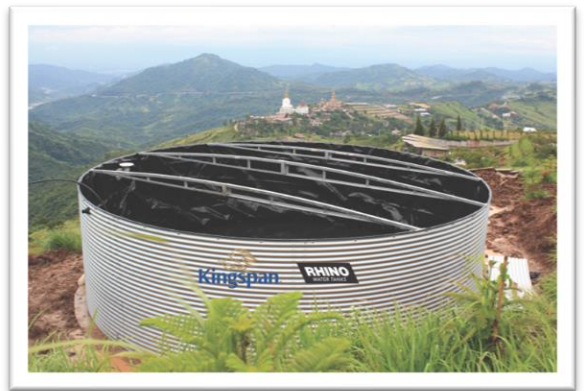
At Spartan International we fabricate our Kingspan Rhino Water Tanks® specifically designed Infinity Liners. Our qualified liner fabricators use the latest welding techniques and state of the art machinery to produce liners of the highest quality.

The Infinity #7100 uses the latest technological advancement in liner fabrics on the world market. The Infinity Liner material is made up of five laminated layers. The first four layers make a reinforced low density polyethylene base but the fifth layer is a state of the art Food Grade, UV treated metallocene film which provides additional strength and durability. The unique design of the Infinity Liner material gives a design service life for our liners in excess of 60 years.

Our Infinity Liners have passed potable water testing at the Australian Water Quality Centre and are NSF approved.

Our liners have been tested for compliance with AS/NZS 4020 and ANSI/NSF 61 against the following criteria:

- Taste of water extract
- Appearance of water extract
- Growth of aquatic organisms
- Cytotoxic activity water extract
- Mutagenic activity water extract



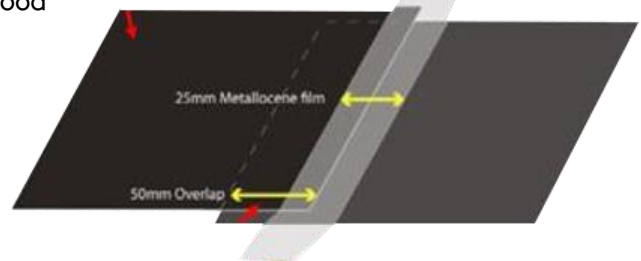
The innermost layer is a clear food-grade metallocene film providing additional strength and longevity.

The second and third layers are food grade polyethylene

The fourth layer is a reinforced woven scrim which provides the core strength to the liner.

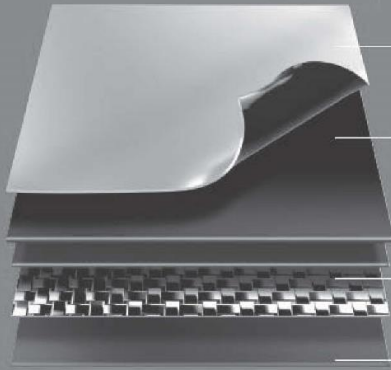
The outside fifth layer is an extra layer of polyethylene to enclose the scrim.

The sections of liner material are joined using a specialized heat welding process with a 50mm overlap.



A food grade metallocene film is welded to the liner seam to seal the joint and prevent bacterial growth under the lap joint or along the cut edge of the scrim.





**Innermost layer**  
It is a flexible food grade metallocene polyethylene film.

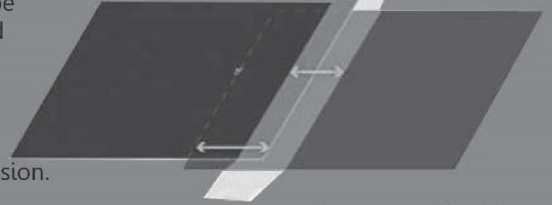
**2,3**  
Polyethylene, a polymer type that is resistant to acids and alkalis.

**4**  
Woven fibers reinforce the material to absorb compression.

**5**  
Extra thick polyethylene



Metallocene polyethylene tape for Food grade, specially formulated for  
Prevents bacteria from growing under the seams



Overlap section 50 mm.  
With a special welding process

## Infinity Liner Technical Specifications

<b>Tensile Strength</b>	<b>Warp 374lbs/50mm (ASTM D751)</b>	<b>Weft 384lbs/50mm</b>
<b>Elongation</b>	<b>Warp 24% (ASTM D751)</b>	<b>Weft 25% (ASTM D751)</b>
<b>Tear Strength</b>	<b>Warp 45lbs (ASTM D4533)</b>	<b>Weft 51lbs (ASTM D4533)</b>
<b>Weight</b>	<b>457g/m<sup>2</sup></b>	
<b>Colour</b>	<b>Black / Dark Silver</b>	
<b>Total Thickness</b>	<b>650µm (0.65mm)</b>	
<b>Film Thickness</b>	<b>80µm</b>	
<b>Heat Sealing Strength</b>	<b>2056N/50mm</b>	
<b>Peeling Strength</b>	<b>96N/30mm</b>	
<b>Puncture Strength</b>	<b>988 or 200lbs (ASTM D4833)</b>	
<b>Water Temperature</b>	<b>-30°C to +70°C</b>	
<b>Usable pH Range</b>	<b>3 to 9</b>	
<b>Potable Water</b>	<b>YES AS/NZS 4020 &amp; ANSI/NSF-61</b>	
<b>Chlorination Limit</b>	<b>5ppm</b>	
<b>Waterhead Testing</b>	<b>250kPa (25m) Liner</b>	
<b>Result Fabric</b>	<b>#7100</b>	

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The above results are typical averages from quality assurance testing and are not to be taken as a minimum specification nor as forming any contract between Kingspan Rhino and another party. Due to continuous product improvement, Product Profiles are subject to alteration without notice. As the use and disposal of this product is beyond Kingspan Rhino's control, Kingspan Rhino assumes no obligation or liability for the suitability of the products in any specific end use application. It is the customer's responsibility to determine whether the product is appropriate for the specific application and complies with any legal & patent regulations.

# TANK SIZES

Kingspan Rhino Water Tanks® are available in a variety of standard sizes or can be custom designed to meet specific customer or project requirements.

Model Tank	Diameter (m)	2.2	2.9	3.6	4.3	5.0	5.7	6.4
		Height (m)						
		2.234	2.920	3.606	4.292	4.978	5.664	6.350
SPT-15	2.995	15,745	20,580	25,415	30,249	35,084	39,919	N/A
SPT-25	3.884	26,479	34,610	42,741	50,872	59,004	67,135	N/A
SPT-40	4.855	41,374	54,079	66,783	79,488	92,193	104,898	117,603
SPT-60	5.826	59,578	77,873	96,168	114,463	132,758	151,053	169,348
SPT-80	6.797	81,093	105,994	130,896	155,797	180,698	205,600	230,501
SPT-100	7.768	105,917	138,441	170,966	203,490	236,014	268,538	301,063
SPT-130	8.739	134,051	175,215	216,378	257,542	298,705	339,869	381,032
SPT-160	9.710	165,496	216,315	267,134	317,953	368,772	419,591	470,410
SPT-200	10.681	200,250	261,741	323,232	384,723	446,214	507,705	569,196
SPT-230	11.652	238,314	311,493	384,673	457,852	531,032	604,211	677,391
SPT-275	12.623	279,687	365,572	451,456	537,340	623,225	709,109	794,993
SPT-320	13.594	324,371	423,977	523,582	623,188	722,793	822,399	922,004
SPT-360	14.565	372,365	486,708	601,051	715,394	829,737	944,080	1,058,423
SPT-420	15.536	423,669	553,766	683,863	813,959	944,056	1,074,153	1,204,250
SPT-470	16.507	478,282	625,149	772,017	918,884	1,065,751	1,212,619	1,359,486
SPT-530	17.479	536,267	700,940	865,613	1,030,285	1,194,958	1,359,631	1,524,304
SPT-590	18.450	597,504	780,981	964,458	1,147,934	1,331,411	1,514,888	1,698,365
SPT-650	19.421	662,050	865,348	1,068,645	1,271,943	1,475,240	1,678,538	1,881,835
SPT-720	20.392	729,907	954,041	1,178,176	1,402,310	1,626,444	1,850,579	2,074,713
SPT-790	21.363	801,073	1,047,061	1,293,049	1,539,036	1,785,024	2,031,011	2,276,999
SPT-860	22.334	875,550	1,144,407	1,413,264	1,682,122	1,950,979	2,219,836	2,488,693
SPT-940	23.305	953,336	1,246,079	1,538,823	1,831,566	2,124,309	2,417,053	2,709,796
SPT-1010	24.276	1,034,432	1,352,078	1,669,724	1,987,369	2,305,015	2,622,661	2,940,307
SPT-1180	26.213	1,206,094	1,576,453	1,946,811	2,317,170	2,687,528	3,057,886	3,428,245

The standard range of commercial tanks are available in 7 height specifications as shown above. NOTE: Effective capacities vary depending on tank dimensions & quantity, size & position of fittings.





ใบรับรองฉบับนี้ให้ไว้กับ  
บริษัท สปร้าตัน อินเตอร์เนชันแนล จำกัด

ที่ตั้งสถานประกอบการ : เลขที่ 99/9 หมู่ที่ 2 ตำบลลำไทร อำเภอวังน้อย  
จังหวัดพระนครศรีอยุธยา 13170

เพื่อรับรองว่าเป็น

อุตสาหกรรมมี

ระบบสีเขียว (G

การบริหารจัดการสิ่งแวดล้อมอย่าง

และทบทวนเพื่อค

ลงชื่อ.....  
(นายจุล

อธิบดีกรมโรงง

ออกให้ ณ วันที่ : 15 มิถุนายน 2566  
มีผลถึง วันที่ : 14 มิถุนายน 2569  
เลขประจำตัวผู้เสียภาษี : 0135560021929  
เลขทะเบียนโรงงาน : 20140062825658



### Certificate of Registration (Quality Management System)

**QFS MANAGEMENT SYSTEMS LLP**

This is to Certify that the Quality Management System of  
**SPARTAN INTERNATIONAL CO., LTD**

OFFICE: 88/107 MOO 9, T. KLONGHA, A. KLONGLUANG, PATHUMTHANI, 12120, THAILAND  
FACTORY: 99/9 MOO 2, T. LAMSAL, A. WANGNOI, PRANAKHONSRIAYUTTHAYA, 13170, THAILAND

Has been found to be of the Quality Management System Standard

ISO 9001

This certificate is valid for the following product or service range  
**MANUFACTURER AND INSTALLER OF WATER TANKS AND ACCESSORIES**

IAF

Certificate Number: SCC/INT/2406SN/6222

Initial Date of Certification: 24.06.2024

Date of Certificate: 18.06.2025

Date of Expiry: 23.06.2026

Director:

Date: 18.06.2025

The validity of certificate is subject to regular surveillance after successful surveillance with continuation letter issued access at any time and without notice to the above named organization's premises for the purpose of assessment and surveillance regarding the standard named above and QFS terms and conditions.



### Certificate of Registration (Environmental Management System)

**QFS MANAGEMENT SYSTEMS LLP**

This is to Certify that the Environmental Management System of  
**SPARTAN INTERNATIONAL CO., LTD**

OFFICE: 88/107 MOO 9, T. KLONGHA, A. KLONGLUANG, PATHUMTHANI, 12120, THAILAND  
FACTORY: 99/9 MOO 2, T. LAMSAL, A. WANGNOI, PRANAKHONSRIAYUTTHAYA, 13170, THAILAND

is in accordance with the requirement of the Management System Standard detailed below

ISO 14001:2015

This certificate is valid for the following product or service range  
**MANUFACTURER AND INSTALLER OF WATER TANKS AND ACCESSORIES**

IAF

Certificate Number: SCC/INT/2406SN/6222

Initial Date of Certification: 24.06.2024

Date of Certificate: 18.06.2025

Date of Expiry: 23.06.2026

Director:

Date: 18.06.2025

The validity of certificate is subject to regular surveillance after successful surveillance with continuation letter issued access at any time and without notice to the above named organization's premises for the purpose of assessment and surveillance regarding the standard named above and QFS terms and conditions.



### Certificate of Registration (Occupational Health & Safety Management System)

**QFS MANAGEMENT SYSTEMS LLP**

This is to Certify that the Occupational Health & Safety Management System of  
**SPARTAN INTERNATIONAL CO., LTD**

OFFICE: 88/107 MOO 9, T. KLONGHA, A. KLONGLUANG, PATHUMTHANI, 12120, THAILAND  
FACTORY: 99/9 MOO 2, T. LAMSAL, A. WANGNOI, PRANAKHONSRIAYUTTHAYA, 13170, THAILAND

is in accordance with the requirement of the Occupational Management System Standard detailed below

ISO 45001:2018

This certificate is valid for the following product or service range  
**MANUFACTURER AND INSTALLER OF WATER TANK, TANK LINERS AND ASSOCIATE ACCESSORIES AND SPARE PARTS.**

IAF Code: IS

Certificate Number: SCC/INT/2406SN/6222

Surv. Audit on or Before: 23.05.2026

Initial Date of Certification: 24.06.2024

Re-certification Due on: 23.06.2027

Date of Certificate: 18.06.2025

Date of Expiry: 23.06.2026

Director:

Date: 18.06.2025

The validity of certificate is subject to regular surveillance audit on or before above mentioned dates and its only valid after successful surveillance with continuation letter issued by QFS. It is issued subject to the continued availability of access at any time and without notice to the above named organization's premises for the purpose of assessment and surveillance regarding the standard named above and QFS terms and conditions.



**QFS MANAGEMENT SYSTEMS LLP**  
A-27/4, Sector-16, Noida-201301, I.P.  
www.qfsmst.com  
email: admin@qfsmst.com

Accredited by Standards Council of Canada

Kingspan Rhino Water Tanks® is a quality endorsed company. Our products are manufactured in Thailand factory under a quality management system certified to ISO 9001 ISO14001 ISO45001

Our quality management system aims to benchmark ourselves against the best in the world and we continually strive to provide cost effective, quality products and services that meet the customer's individual needs and expectations.



Charoen Pokphand Foods PCL RCT160-15 (106,500 liters) Samut Songkhram  
Aquaculture with the main ingredient in the water is sodium, which is highly corrosive. This tank has been specially designed to suit the nature of the work, and has designed a larger water outlet pipe to speed up water transfer and allow aquatic animals to come out through the water outlet pipe. This reduces working time more.



Customs Department RCT-25-50 (59,233 liters)  
Betong District, Yala Province  
Diameter: 3.884 m H: 5 m Installed at Customs  
Department, Betong District, Yala Province.  
Installed on a high mountain. Thailand-  
Malaysia border, which has difficult access. This  
makes it suitable for our flat pack tank delivery  
because it is easy to transport.





Wat Pa Charoenrat RCT15-57 (40,173 liters) Khlong 11 Pathum Thani

This tank is installed on top of a 4 metre high concrete structure. The water supply from the tank is a gravity feed system. Kingspan Rhino Water Tanks® can be used in a variety of ways.



Lotus RCT-100-22 (104,250 liters) Cha-am Phetchaburi

Diameter 7.768 m H: 2.2m. Cha-am Phetchaburi. The tank is dual purpose as it supplies clean drinking water and water for the fire protection system.



WHA ASIA RCT100-50 (236,931L) Rayong

Diameter 7.768m H: 5.0m x 2 pcs for Raw & Deionized Water storage & RCT160-43 (318,376 L) diameter 9.710m H: 4.3m and RCT230-50 (533,095 L) for UV Filter water storage



DIC RCT-420-64 (1,213,733 liters), Amata Nakorn Industrial Estate, Chonburi

Diameter: 15.536 m H: 6.4 m Fire water storage for fire hydrant and fire sprinkler systems.



WHA-E1 RCT-470-50 (1,069,891 liters) Eastern Seaboard Pluak Daeng District, Rayong Province  
Diameter: 16.507 m H: 5 m For RO water and raw water storage in the water treatment centers installed on the industrial estate.



Pino Latte RCT100-22 (104,305 L) Khao Kho, Phetchabun  
Diameter: 7.768 m H: 2.20 m Clean water storage for the client's coffee shop business. The daily usage can be up to 40,000 liters of water per day and the supply can be intermittent. The tank provides approximately 3 days of water storage.



Dr.Boo RCT-790-29 (1,039,238 L) Chonburi

Diameter 21.363 m H: 2.90 m Installed during the Covid 19 pandemic in the eastern part of Thailand this tank is for process water storage. The water is used in the manufacturing of medical gloves.



JW Marriott Khao Lak Resort & Spa RCT275-36 (450,705 L) Phang Nga

Diameter 12.623 H: 3.6 m The tank on this high end resort was installed as part of the resort expansion which required the installation of a world class fire protection system.



Pairoj Poultry Food RCT320-64 (929,264 L) Ban Krang Phitsanulok

Diameter: 13.594 m H: 6.40 m This Installation at Pairoj Farm food processing plant is used for clean drinking water. This was achieved as our Infinity Liners comply with Australian AS/NZS4020 and ANSI / NSF61.



TCD Region 6 RCT-15-57 (40,173 liters) Cha-am Phetchaburi

Diameter 2.995 H: 5.7 m Clean water storage for 80 rooms in the Royal Thai Police Personnel Development and Welfare Training Center Cha-am, Phetchaburi



Water tank with solar cell RCT-15-57 (40,136 liters), Mahasarakham

Diameter: 3.995 m H: 5.7 m A total of 66 of these tanks were installed for agricultural use in Mahasarakham province in order to ease the problems with drought. Solar panels were installed on sites where a power supply was not available to pump the ground water to the tank. The supply from the tanks was a gravity feed system.



WHA RCT-100-50 (236,931 L) Rayong

Diameter: 7.768 m H: 5 m For containing distilled water to generate electricity in Map Ta Phut Industrial Estate, due to site constraints, this project required two smaller tanks as opposed to one large tank.



STS RCT420-57 (1,080,981 liters) Kanchanaburi

Diameter 15.536m H: 5.7m Installed for irrigation purposes in Kanchanaburi this tank was a replacement for 200 damaged 5,000-liter plastic drums.



Khun Angkana House RCT60-22 (58,640 liters) Koh Samui Suratthani

Diameter: 5.826 m H: 2.2 m This installation demonstrates how Kingspan Rhino Water Tanks® can be installed in remote locations. This tank with very limited access high on a mountain only took 1 day to install.



Goodnerd RCT-80-43 (156,004 L) Khao Yai, Nakhon Ratchasima

Diameter: 6.797 m H: 4.3 m Installed at Ganchong Farm Used for potable water storage.



Provincial Waterworks Authority RCT-470-50 (1,069,891 liters), Ranong

Diameter: 16.507 m H: 5 m For drinking water, Ranong is a green tank to blend in with the natural environment. The Bluescope® Colorbond® also provides additional protection against the salty air blown in from the sea.



WHA RCT940-64 (2,731,133 L) Pluak Daeng, Rayong

Diameter 12.623m H: 5.7m for UF water and RCT940-64 (2,731,133 L) Dia: 23.305m H: 6.4m At the time of installation this was the largest Kingspan Rhino Water Tank® in the world.



Reaxo Pharma RCT-160-57 (152,013L) Rayong

Diameter 5.826 m, Height 5.7 m, Pharmaceutical Factory required potable water storage that complied with Australian standard AS/NZS4020 and ANSI/NSF61



INVE Model RCT-160-43 (318,376 L) Phichit

Diameter 9.710 m, height 4.30 m, 2 tanks to provide fire fighting water storage for the site fire protection system.



Phi Phi Island Model RCT-275-36 (450,366 L) Krabi

Diameter 12.623 m, Height 3.6 m clean water storage for a high-end resort in a remote part of Phi Phi Island.



Mae Ai Plumbing Model RCT-275-43 (538,055 L) Mae Ai, Chiang Mai

Diameter 12.623 m. Height 4.30 m. Water distribution tank for local water authority in Chiang Mai region.



Wat Pa Wang Kao Meditation Center Model RCT-15-57 (40,136 L) Denchai District, Phrae Province

Diameter 3.995 m, height 5.70 m, Elevated fresh water tank with a gravity feed system at the Meditation Centre.



Rajabhat Rajanagarindra University RCT-130-43 (258,022 liters) Bangkla Chachoengsao

Diameter: 8.739 m H: 4.3 m Installed at Rajabhat Rajanagarindra University On-campus clean water supply for students.



Pairoj Farm RCT-160-57 (422,257 L) Phitsanulok

Diameter 9.710m H: 5.7m for process water system installed at Pairoj Poultry Farm



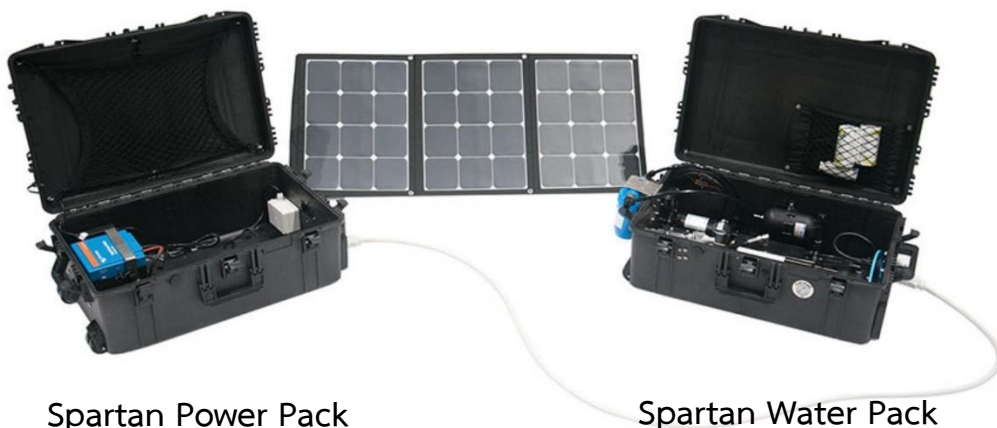
## Spartan Power Pack & Spartan Water Pack

There has been a lot of talk of water shortages in the world recently when, in fact, there is plenty of water on the planet, it just isn't clean. With the SPARTAN Water Pack just about any water source can become a safe drinking water supply. Our system is designed to transform water from non-drinkable water sources, whether that be lakes, rivers, ponds or the sea, into clean water. The SPARTAN Water Pack is ideal for military use, emergency response to natural disasters and humanitarian crises, remote working environments or even leisure pursuits, such as sailing and camping.

The SPARTAN Water Pack comes in two different versions. The SPARTAN Water Pack 30, which delivers 30 litres per hour (7.9 GPH) with a power consumption of 110 watts, and the SPARTAN Water Pack 50, which delivers 50 litres per hour (13.2 GPH) with a power consumption of 240 watts. All units are supplied with all the hoses, fixtures and fittings required to allow immediate "plug and play" use.

The SPARTAN Water Packs require a 12-volt power supply which can be provided by any available power source of a suitable capacity. Alternatively, the SPARTAN Water Pack can be supplied with a SPARTAN Power Pack which is designed specifically to match the requirements of the SPARTAN Water Pack. The SPARTAN Power Pack comes complete with batteries and solar panels along with all of the necessary leads and cables to enable complete off-grid operation.

These portable SPARTAN Water Packs and the portable Spartan Power Pack are designed to be easily transportable and ready to use whenever and wherever needed. The Water Packs and the Power Pack are all built into military grade enclosures which have wheels and conform to STANAG 4280 and DEF-STAN 81-41 which are the standards required for use by NATO forces.



Spartan Power Pack

Spartan Water Pack



## Spartan Water Pack

TECHNICAL SPECIFICATIONS		
Description	A 30 L/hour model	B 50 L/H
Capacity:	30 lit/h - 7.8 Gal/h	50 lit/h - 13.2Gal/h
Power Supply:	12VDC	12VDC
Consumption:	110W-9A	240W-20A
Weight:	38 Kg 84 lb	48 Kg 84 lb
Membranes:	n.1 2.5"x21"	n.1 22.5"x21"
Filters:	50 mesh strainer	50 mesh strainer
	5 micron melt blown 5"x2½"	5 micron melt blown 5"x2½"
Inlet hose:	i.d. 16 mm length 10 mt	i.d. 16 mm length 10 mt
Discharge hose:	i.d. 16 mm length 5 mt	i.d. 16 mm length 5 mt
3-LA-DWH-KRM-t:	LG 6 PP O-DKW 5 PW	LG 6 PP O-DKW 5 PW
Suction Capacity:	Horizontal 10 mt Vertical 1 mt	Horizontal 10 mt Vertical 1 mt
<p>“The unit is based on 2 parallel pumps. The unit can work in dual pump mode, producing 50 lit/h drawing 240 watt, or single pump mode (30 lit/h - 110 Watt)”</p>		

## Spartan Power Pack

TECHNICAL SPECIFICATIONS	
Battery type:	Battery type Lithium-ion (L)H324
Capacity:	40 Ah
Stored energy:	512Wh
Nominal voltage:	12.8v
Weight:	25Kg
EDHW HDWLHV:	2 YHLDROG
	Short-circuiting
	Temperature
	Excessive discharge
FOLDABLE SOLAR PANEL	
Power	120 Watt
Voltage	12 VDC
Cells	3x12
Dimension unfolded	1280 x 540 mm



**RHINO**  
WATER TANKS



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