



SPARK
FIBER GLASS
شركة شرارة الألياف الصناعية

Company Profile

BUILT TO LAST

WHAT WE REPRESENT

Spark Fiberglass is a leading manufacturer and supplier of high-performance Fiberglass-Reinforced Plastic (FRP) products in Saudi Arabia. With a strong commitment to innovation, we specialize in providing durable, lightweight, and corrosion-resistant solutions for various industries.

Our products are meticulously engineered to meet the highest standards of quality, sustainability, and safety, making them the preferred choice for clients across the Middle East. Whether for water storage, industrial use, or infrastructure projects, Spark Fiberglass ensures that every product is built for longevity and efficiency.

At Spark Fiberglass, we believe in precision, reliability, and performance. Our mission is to provide top-tier fiberglass solutions that contribute to the success of industries worldwide.



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OUR VALUES

VISION

Our vision is to establish ourselves as the premier manufacturer of composite products in Saudi Arabia. We are dedicated to surpassing our clients' expectations by prioritizing safety, security, and delivering products of the highest quality.

MISSION

Our mission is to be a key contributor to the world of composite products, committed to offering our customers high-quality, cost-effective, and eco-friendly solutions.



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SPARK FRP tanks are manufactured using the Filament Winding process, which ensures strength distribution in desired directions, optimizing the orthotropic properties of composite materials.

Our highly qualified team designs products tailored to customer specifications, and we implement multiple measures to guarantee exceptional accuracy and precision in product quality, including:

- Validation of design calculations and drawings to ensure a minimum service life of 25 years
- Finite Element (FE) analysis of storage tanks under various loading conditions to evaluate stress performance
- Extensive physical testing and correlation of results with design calculations and FEM analysis
- Testing and validation in compliance with UL 1316 standards, along with additional customer-specific requirements
- Accelerated material testing to verify a minimum lifespan of 25 years



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SPARK FRP tanks are manufactured using the Filament Winding process, which ensures strength distribution in desired directions, optimizing the orthotropic properties of composite materials.

Our range of Storage Tanks comprise of FRP Water Tanks, FRP Fire Water Tanks, FRP Septic Tanks, FRP Chemical Tanks with Polypropylene/ Polyvinylidene Fluoride/ Perfluoroalkoxy linings, FRP Fuel Tanks and GRP Sectional Tanks.

SPARK
GRP TANKS

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Aboveground & Underground applications



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Capacity (liters)	Diameter (mm)	Cylinder Length (mm)	Thickness (mm)
1000	1000	1300	3mm - 5mm
2000	1000	2600	3mm - 5mm
3000	1200	2700	4mm - 6mm
4000	1200	3500	4mm - 6mm
5000	1500	3400	5mm - 7mm
10000	2000	3200	6mm - 8mm
20000	2500	4100	7mm - 9mm
30000	2500	6200	8mm - 10mm
40000	3000	5700	12mm - 14mm
50000	3200	6100	15mm - 17mm
60000	3200	7500	16mm - 18mm
70000	3500	7300	17mm - 19mm
80000	3500	8300	17mm - 19mm
90000	3500	9400	19mm - 21mm
100000	3500	10400	21mm - 23mm
110000	3500	12000	21mm - 23mm
120000	3800	10600	22mm - 25mm

"Durable, Lightweight, and Corrosion-Resistant Solutions"

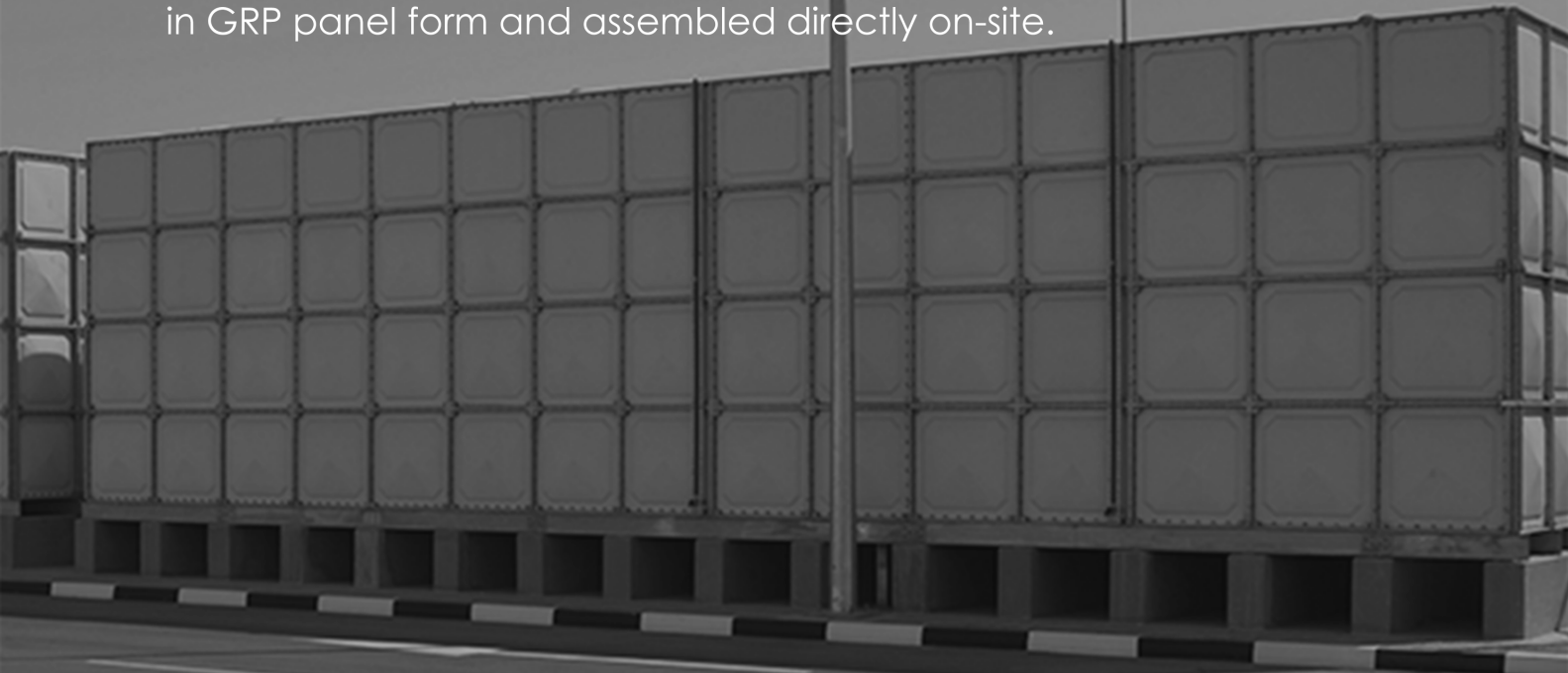


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SPARK SECTIONAL TANK

SPARK industrial or sectional water tanks offer a reliable solution for storing large volumes of cold water—whether for potable or non-potable use—particularly in locations with limited access. Made from Glass Reinforced Plastic (GRP), a durable and dependable composite material, these tanks are built for strength and longevity. Their versatility makes them ideal for a wide range of applications, including process cooling, rainwater harvesting, and other water containment systems. Designed to meet specific requirements, the tanks are supplied in GRP panel form and assembled directly on-site.



We offer not only high-quality sectional water tanks but also expert assembly services, carried out by our team of trained professionals.

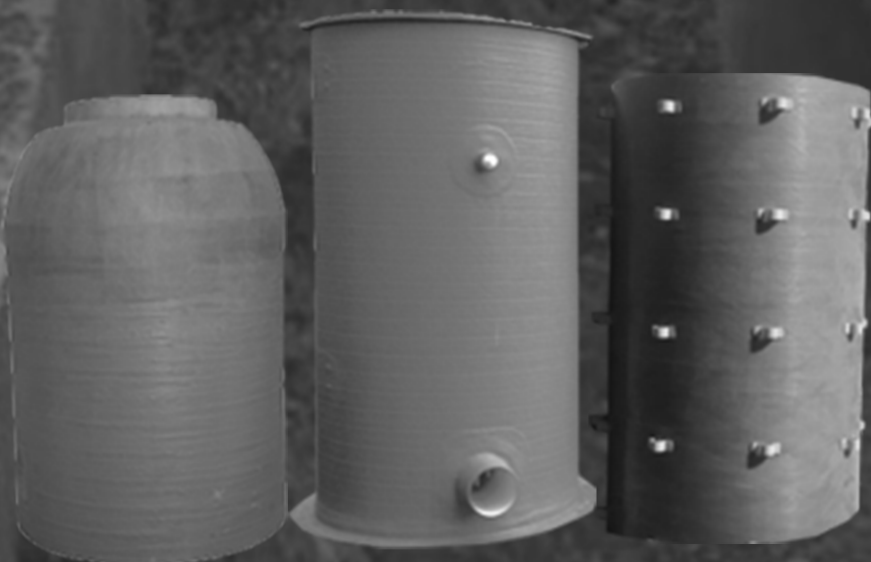


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SPARK MANHOLES & INSERTS

Fiberglass manholes are increasingly preferred over concrete in new installations. The highly corrosive environment of sanitary sewer lines often leads to leaks in concrete manholes and, more critically, infiltration. Infiltration allows groundwater to enter the sewer system, placing additional strain on the infrastructure and driving up operational costs. Spark Manholes and Liners offers the optimal solution for structural infrastructure manholes and a variety of related accessories and applications.



SPARK supplies both Flat top and Cone top Manholes. The selection of the structural manhole type is based on the shell height. For cone top type Manholes, the required shell height is measured from the cone shoulder down to the bottom.

Type A	H = 1000mm - 1900mm
Type B	H = 2000mm - 3600mm
Type C	H = 3700mm - 7600mm



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SPARK produces high-strength, high load-bearing composite manhole covers, which can be customized to meet specific customer requirements, including low or zero shrinkage, electrical conductivity, fire retardancy, enhanced chemical resistance, and tailored surface finishes.

SPARK MANHOLE COVERS



DESCRIPTION	RCC	CI	FRP
Life Span	Low	Moderate	High
Strength / Weight Ratio	Very Low	Moderate	Very High
Cost	Low	Moderate	Comparable to CI
Handling	Very Difficult	Difficult	Easy
Thermal Expansion	Slight	High	Almost Nil
Corrosion Resistance	Low	Medium	High
Abrasion Resistance	None	None	Yes
Model Types: 30 x 30, 40 x 40, 50 x 50, 60 x 60, 70 x 70			



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SPARK GRATINGS & PULTRUSION PRODUCTS

SPARK Fiberglass sets the benchmark for fiberglass-reinforced plastic (FRP) molded products by combining exceptional corrosion resistance with strength, durability, and safety. Featuring a range of custom resin options, SPARK products are engineered to provide long-lasting, reliable performance—even in the harshest corrosive environments where traditional metal and wood materials quickly degrade.

TOPICS	ADVANTAGES
Corrosion resistance	Offers excellent resistance to a wide range of chemicals and harsh environments.
Aesthetics and usage	Available in a range of colors with an anti-skid surface that helps prevent tripping
Electric conductivity	Non-conductive
Weight	Has a density that is one-fourth that of steel and two-thirds that of aluminum.
Thermal insulation	Suitable for high-temperature
UV Resistant	SPARK gratings are resistant to prolonged exposure to sunlight
Surface	Resistant to Microbial growth
Strength	Tough and built to withstand wear



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SPARK products are lightweight and easy to work with, simplifying fabrication and installation. The reduced need for labor and equipment often brings the total installed cost in line with that of steel. When combined with minimal maintenance, extended service life, and enhanced worker safety, SPARK products deliver a significantly lower life cycle cost compared to traditional metallic alternatives.

SPARK GRATINGS & PULTRUSION PRODUCTS

Pultrusion is a cost-efficient manufacturing method used to produce continuous lengths of fiber-reinforced polymer (FRP) components. It involves pulling reinforced fibers impregnated with liquid resin through a heated die, resulting in products with a uniform cross-section—such as rods, beams, pipes, and other structural elements.



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SPARK PORTABLE TOILETS

SPARK Portable Toilets are mobile restroom units primarily made from Glass Reinforced Plastic (GRP), a material known for its lightweight durability and excellent strength-to-weight ratio. Designed for use in locations where permanent facilities are unavailable—such as construction sites, outdoor events, festivals, and campsites—these units provide fully functional restroom solutions. Each GRP toilet is equipped with essential features, including integrated toilet and sink units, ensuring convenience and hygiene for users.

	EXECUTIVE PORTABLE TOILET	REGULAR PORTABLE TOILET
Cabinet Size:	120cm x 120cm x 230cm	110cm x 110cm x 220cm
Water Tank:	500 Ltrs	200 Ltrs
Septic Tank:	850 Ltrs	425 Ltrs
Flush Tank:	Available	Available
Mixer Tap:	Available	Available
Dress Hook:	Available	Available
Hand Shower:	Available	Available
Wash Basin:	Available	Available
Stairs:	Available	Not Available

Available in European and Indian/Saudi Type Closets - for both Models



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8164 Bqaiq 240, 3558 3rd Industrial City, 34857,
Dammam, KSA
+966 55 890 0952

info@sparkfiberglass.com
www.sparkfiberglass.com