



FLOWING TOWARDS A BETTER TOMORROW

Delivering reliable and
energy-efficient water solution



Pump water
Solution Provider

wilo

SVEP
A DOVER COMPANY

Danfoss

SFA INDIA
Shaking up water

WHO WE ARE

Khanak Engineers was founded in 2022, channelling over **14+ years of experience** into a focused, engineering-led water solutions practice. Operating as a solutions promoter for world-class brands - Wilo, SWEP, Danfoss, and SFA India - we bring globally certified products directly into commercial, industrial, and infrastructure projects across India.

Our goal is to make our clients' lives easier through products and services that stand for maximum quality of life.

Mission and Vision

Our Mission

Continuous growth through superior quality products, solutions, and services - building lasting relationships through trust, technical excellence, and unwavering commitment to customer satisfaction.

Our Vision

To be the most trusted water engineering partner - delivering Reasonable, Qualitative, and Outstanding service across every project, making advanced water infrastructure accessible to all sectors.

14+
Years Expertise

2022
Founded

6
Solution Domains

4
Global Alliances

*Flowing towards a better
tomorrow - delivering reliable,
energy-efficient water solutions,
built to last.*



Industries We Serve

- ✦ Commercial Buildings & High-Rise
- ✦ Hotels & Resorts
- ✦ Hospitals & Healthcare
- ✦ Industrial & Manufacturing
- ✦ Infrastructure & Government
- ✦ Schools & Universities
- ✦ Airports & Gymnasium
- ✦ Pharmaceutical Industry
- ✦ Food & Textile Processing

As a regional promoter of the complete Wilo pump portfolio, Khanak Engineers supplies precision-engineered systems — from residential pressure boosters to industrial hydro-pneumatic arrays, each system sized, designed, and commissioned for energy efficiency and long service life.

Single Pressure Booster Pump

Technical Data

Flow :	Up to 215 LPM
Head :	Up to 67 m
Voltage :	1Ph · 230V · 50Hz
Application :	Bungalows, Apartments

Key Features

- ✦ Stainless steel impeller & wetted parts
- ✦ Hydro-pneumatic / electronic control option
- ✦ Silent operation · wide voltage tolerance



Multistage Pressure Booster System

Technical Data

Flow :	Up to 450 LPM
Head :	Up to 65 m
Voltage :	1Ph / 3Ph · 50Hz
Application :	Hotels, Schools, Industry

Key Features

- ✦ Factory-fitted with full control panel
- ✦ Automatic cascading & pump alternation
- ✦ Dry run, short-circuit & OVP protection





Hydro Pneumatic System - High Rise & Commercial

Technical Data

Flow :	Up to 400 m ³ /hr
Head :	Up to 200 m
Temperature :	Up to 70°C
Speed / IP :	2850 RPM · IP 155

Key Features

- ✦ Stainless steel impeller & wetted parts
- ✦ Hydro-pneumatic / electronic control option
- ✦ Silent operation · wide voltage tolerance

Wilo - Specialised Systems

Fire Fighting · HVAC · Drainage



End Suction Pumps

Technical Data

Flow :	Up to 750 m ³ /hr
Head :	Up to 170 m
Temp.:	Up to 120°C
Size :	DN 32–DN 200

Key Features

- ✦ Radial flow impellers with vane diffusers
- ✦ Mechanical seal / gland packing
- ✦ Grease lubricated anti-friction bearings

Multistage Centrifugal Pumps

Technical Data

Flow :	Up to 1000 m ³ /hr
Head :	Up to 1500 m
Stages :	3 to 15
Size :	DN 32–DIN 250

Key Features

- ✦ Multi-stage multi-outlet design
- ✦ Multiple pressure connections from single pump
- ✦ Grease lubricated anti-friction bearings



Heating • Air Conditioning • Cooling (HVAC Pumps)

Technical Data

Flow :	Up to 750 m ³ /hr
Head :	Up to 170 m
Temperature :	Up to 120°C
Size :	DN 32–DN 200

Key Features

- ✦ Heating water pumping
- ✦ Cold water & water-glycol cooling systems
- ✦ Cataphoretic coating - high corrosion resistance
- ✦ Variable speed pump control unit available





Variable Speed Pump Control - HVAC

Technical Data

Pumps :	Up to 8 pumps · single/multi DPTS
Display :	5.6" Multi-colour HMI · 24VDC
BMS :	Modbus RTU · RS485/232/USB

Key Features

- ✦ Microprocessor PID · prevents pump hunting
- ✦ Multi-level password · alarm & fault logging



Sewage & Drainage Pump

Technical Data

Flow :	Up to 2000 LPM
Head :	Up to 65 m
Solid Passage :	Up to 100 mm

Key Features

- ✦ IP 68 · Moisture Sensor, AC thermal protection
- ✦ Integrated current overload – easy carry

Smart Water Management Solutions

Innovation at the Service of Your Projects

At Khanak Engineering, in partnership with SFA Group, we deliver advanced pumping and wastewater solutions designed for modern residential, commercial, and industrial applications.

Macerators & Sanitary Pumps

- ✦ Ideal for bathrooms, kitchens & renovations
- ✦ Compact, efficient, and easy to install
- ✦ Enables flexible plumbing without major construction



Wastewater Lifting Stations

- ✦ Designed for below-ground and remote drainage
- ✦ Suitable for homes, offices, hotels & industries
- ✦ Reliable and high-performance systems



Pumping Stations

- ✦ Handles soil & non-soil wastewater
- ✦ Perfect for basements, courtyards & large surfaces
- ✦ Durable, low-maintenance, and efficient



Condensate Pumps

- ✦ Ideal for AC systems, boilers & HVAC units
- ✦ Compact design with silent operation
- ✦ Ensures smooth condensate discharge

Why Choose SFA Solutions

- ✦ Innovative and space-saving designs
- ✦ Easy installation & minimal maintenance
- ✦ Quiet and energy-efficient performance
- ✦ Engineered for durability & reliability
- ✦ Suitable for both new and retrofit projects

Applications

- ✦ Residential homes & apartments
- ✦ Commercial buildings & offices
- ✦ Hotels & hospitality
- ✦ Industrial facilities
- ✦ Renovation & retrofit projects



Condensate pump for air conditioners and boilers

	 GAS boiler	 OIL boiler	 Air conditioner	 Refrigerated display	 Dehumidifier	 Air conditioning box
 Sanicondens Clim mini S design for Extremely compact comalately discreet inutalisticion			●			
 Sanicondens Clim Pack S Aesthetic metalation Eazy Wstallation Reveralule plate			●			
 Sanicondens Cilm Deco Camuset salutation Eary installation			●			
 Sanicondens Pro All accessories as standard an alarm pre-connection	Maximum 50kW	Maximum 30kW	●	●	●	●

• DISCREET INSTALLATION THANKS TO ITS COMPACT SIZE • A SILENT RANGE FOR QUIET OPERATION • PUMPING PERFORMANCE: UP TO 8 M • EASY ASSEMBLY THANKS TO THE FIXING KIT SUPPLIED • SEVERAL INLETS AVAILABLE FOR GREATER FLEXIBILITY OF INSTALLATION (Sanicondens Pro) • CONDENSATE PUMPS

Innovation at The Service of Your Projects

Advanced Grease Separator & Wastewater Solutions

At Khanak Engineering, in partnership with SFA Group, we bring world-class grease separation and wastewater management solutions engineered for performance, hygiene, and compliance.

Why Grease Separation Matters

Every kitchen generates wastewater loaded with fats, oils, and food residues. Without proper treatment, these lead to:

- ✦ Pipe blockages & system failures
- ✦ Unpleasant odors
- ✦ High maintenance costs
- ✦ Risk of regulatory non-compliance

Installing a grease separator ensures efficient waste capture at source, protecting both infrastructure and the environment.

Our Product Range Sanigrease Series

Compact Grease Traps (Under Sink)

- ✦ Ideal for small kitchens, cafés & food trucks
- ✦ Space-saving and easy to install
- ✦ Perfect for low-volume applications

Floor / Underground Grease Separators

- ✦ Designed for restaurants & commercial kitchens
- ✦ Available in multiple sizes (NS1 to Ns15)
- ✦ Suitable for indoor & basement installation

Advanced Automatic Systems

- ✦ Semi & fully automatic models (PM / PA series)
- ✦ Integrated pump, mixer & control panel
- ✦ Odour-free, hygienic, and low-maintenance

How It Works

- ✦ A simple yet effective process:
- ✦ Wastewater enters the separator tank
- ✦ Solid particles settle at the bottom
- ✦ Grease & oil float to the top
- ✦ Clean water is safely discharged
- ✦ No chemicals
- ✦ No energy required (basic systems)
- ✦ Fully mechanical & reliable

Key Benefits

- ✦ Efficient grease & solid separation
- ✦ Durable polyethylene construction
- ✦ Odour-proof and leak-proof design
- ✦ Easy maintenance & cleaning
- ✦ Customizable for every project
- ✦ Compliant with international standards (EN norms)

Smart Engineering Advantage

- ✦ Modular design for flexible installation
- ✦ Automated cleaning & discharge options
- ✦ Integrated grease level alarms
- ✦ Designed for long-term operational efficiency

Applications



Heat Transfer Solutions

PRODUCT HIGHLIGHT

Brazed Plate Heat Exchanger (BPHE)



A **DOVER** COMPANY

High-performance,
compact heat exchanger
designed for district heating
& cooling applications.



KEY ADVANTAGES

- ✦ High thermal efficiency with optimized plate design
- ✦ Compact size – saves installation space
- ✦ Lightweight – easy to transport & install
- ✦ No gaskets – 100% metal construction
- ✦ Low maintenance & long lifecycle
- ✦ Easy scalability for future capacity

PERFORMANCE HIGHLIGHTS

- ✦ Up to 8 MW Heating Capacity
- ✦ Up to 1.5 MW Cooling Capacity
- ✦ Handles high pressure & close temperature approaches
- ✦ Proven in millions of installations worldwide

APPLICATION AREASDISTRICT HEATING SYSTEMS

- ✦ District Cooling Systems
- ✦ Industrial Heat Transfer
- ✦ HVAC Systems
- ✦ Residential & Commercial Substations

Water & Effluent Management Solutions

WTP · ETP · STP

Khanak Engineers designs and supplies complete **Water Treatment Plants (WTP)**, **Effluent Treatment Plants (ETP)**, and **Sewage Treatment Plants (STP)** – engineered to meet Gujarat Pollution Control Board (GPCB) norms, BIS standards, and project-specific discharge requirements. Our solutions integrate precision pumping (Wilo), advanced filtration, chemical dosing, and instrumentation into turnkey, compliant systems.

WTP	ETP	STP
Water Treatment Plant Treating raw or municipal water to potable / process quality for commercial and industrial use.	Effluent Treatment Plant Treating industrial wastewater to GPCB-compliant discharge standards before release or reuse.	Sewage Treatment Plant Converting domestic sewage into safely reusable treated water for landscaping, flushing, or discharge.
Treatment Includes • Dual Media / Pressure Sand Filter • Activated Carbon Filter • Softening Plant • RO plant • UF Plant • DM Plant • Disinfection (UV/Chlorination)	Treatment Plant • Screening (Coarse / Fine Screen) • Oil & Grease Trap / API Separator • Equalization Tank (EQ Tank) • pH Correction / Neutralization • Coagulation–Flocculation (Chemical Treatment) • Primary Clarifier • Biological Treatment (Aeration – ASP / MBBR / SBR) • Secondary Clarifier • Sludge Handling System • Tertiary Treatment (PSF + ACF + UF/RO – if required) • Disinfection (UV / Chlorination)	Treatment Plant • Screening (Coarse & Fine Screen) • Grit Chamber / Oil & Grease Trap • Equalization Tank (EQ Tank) • Biological Treatment (Aeration Tank – MBBR / SBR / MBR) • Secondary Clarifier • Sludge Handling System • Disinfection (UV / Chlorination) • Tertiary Treatment (PSF + ACF + UF/RO – if required)
Treatment • Coagulation & Flocculation • Dual Media Sand Filtration • Activated Carbon Filtration • Disinfection (UV / Chlorination)	Treatment Stages • Screening & Equalisation • Primary Settling / Neutralisation • Biological Treatment (ASP / SBR) • Secondary Clarification • Tertiary Polishing / Filter Press • ZLD / Recycling Options Available	Treatment Stages • Bar Screen & Grit Chamber • Primary Treatment (Settling) • MBBR / MBR / SBR Biological • Secondary Clarification • Chlorination & UV Disinfection • Sludge Dewatering (Filter Press)
Applications • Municipal Feed • Industrial Process • Hospitals • Textile & Food	Industries Served • Textile & Dyeing • Pharma • Chemical • Food Processing	Applications • Residential Societies • Hotels • Hospitals • Townships
Compliance • BIS 10500 (Drinking Water) • IS 4251 Industrial Process	Compliance • GPCB / CPCB Discharge Norms • ZLD Ready Configurations	Compliance • GPCB / MoEFCC Norms • Recycled Water (IS 12640)

System Design

AutoCAD P&ID drawings, hydraulic calculations, equipment selection – full design package delivered before project commencement.

Compliance Assurance

Systems designed to GPCB, CPCB, BIS, and IS standards – with commissioning support and operational documentation.

Solutions - Design to Commission

Swimming Pool Filtration System



Complete Pool Engineering

From Auto CAD plumbing drawings to site commissioning - Khanak Engineers delivers end-to-end swimming pool solutions for any scale or complexity.



Self Priming Pool Pump - Wilo



High-Rate Sand Media Filter

Engineering Services

- ✦ AutoCAD plumbing & piping layout drawings
- ✦ Structural lighting design & electrical drawings
- ✦ Hydraulic system sizing & pump selection
- ✦ Site suggestions & on-ground consultation
- ✦ Complete turnkey project management
- ✦ Commissioning & handover documentation

Sanitization & Water Quality

- ✦ UV disinfection systems — chemical-free operation
- ✦ Ozone generation systems for superior sanitization
- ✦ Chlorinator & dosing systems (automatic)
- ✦ pH & ORP monitoring & control instruments
- ✦ Salt chlorination systems for residential pools
- ✦ Backwash automation & programmable controls



Media Filters

High-rate sand filters for particle removal; multi-port valve operation



Self Priming Pumps

Dedicated pool circulation pumps; energy-efficient variable speed



Underwater Lights

LED underwater lighting; colour-changing; IP68 rated for full immersion



Cleaning

Accessories Robotic cleaners, skimmers, grating, inlets, drain sumps & fittings

100%
Custom Design

AutoCAD
Drawings Included

UV+O₃
Sanitization Options

Any Scale
Residential to Resort

Our Commitment to Excellence

Values · Clients

Integrity

Everything we do is driven by honesty. Clients choose us because they can trust us completely.

Customer First

We listen carefully, respond honestly, and meet every individual need - we go the extra mile.

Generosity

By example, we lead - community generosity is built into our culture and daily practice.

Work Ethic

Strong work ethic with positive attitude - we execute effectively at everything we do.

Safety

Positive and innovative contributions to safety advancement in our workplace and industry.

Teamwork

We respect all contributions and work together cohesively to serve every customer need.

Environment

A proud, positive workplace where people are committed to delivering daily excellence.

Employees

We genuinely care for our people, helping them grow in and beyond their roles.





Let's build something
exceptional together.

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