

Beyond Tomorrow

4TH QUARTER – 2020
WILO LEVANT NEWSLETTER
-Issue #3



CLIMATE PROTECTION LEADER AND PIONEER

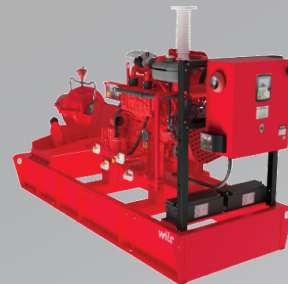
Wilo Wins the German Sustainability Award 2020



BANKMED HEADQUARTERS 20 Stories of High Efficiency

Our solution for supplying the 3 interconnected office tower buildings of BANKMED Headquarters with clean water and cooling systems.

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Wilo FireSet UL/FM Pressure Boosting Systems for Fire Protection

Diesel v/s Electric Motor fire pumps for automatic sprinkler systems in line with NFPA standards.



BECOME PUMP-SMARTER

EDUCATE AND ENTERTAIN YOURSELF WITH OUR TIPS AND TRICKS SECTION
Are You Up For a Challenge? How much do you know about circulating pumps?

Take the Quiz and Submit your answers by mail to: perla.awad@wilo.com

Hurry Up... The Competition Ends on February 28!

YOU CAN BE THE WINNER!





WILO WINS GERMAN SUSTAINABILITY AWARD 2020

An Award for companies that drive change despite times of crisis

The committee of the German Sustainability Award sees 2020 as a year of change. More than ever before, entrepreneurial role models who can drive change forward and use the crisis as an opportunity for real transformation are needed.

Selected as one of the worldwide “50 Sustainability & Climate Leaders” in August 2020, the Dortmund-based technology specialist WILO SE has been awarded the renowned German Sustainability Award in the “Climate” transformation field.

“*The world climate needs pioneers. At Wilo, we claim to not only promote the topic of energy efficiency, but also to be a climate protection and digital pioneer. We do this in the firm belief that the most digital, smart and energy-efficient products are always the most intelligent choice. This means that digital transformation, energy efficiency and climate protection are firmly correlated.*”

- Oliver Hermes - President & CEO, Wilo SE

CHANGZHOU:

OUR NEW MILESTONE



The Wilo Group will invest in a new high-tech factory in Changzhou, China. The hybrid signature Ceremony on 15th December marked the official start of this important milestone in Wilo history.

The Corona pandemic has recently boosted protectionist tendencies and a stronger regionalization, which are factors to be considered by companies for their internationalization strategy. The Wilo Group is well prepared for the so-called ‘Globalization 2.0.’ with its region-for-region approach.

“*The new project will enlarge Changzhou's influence in the field of intelligent manufacturing and build into a high-quality industrial city.*”

- Mr. Zhou Bin - Secretary of the New North District Party Committee.



ENDING THE YEAR WITH A PROMISE

Towards a Healthier Lebanon

As climate change accelerates, wastewater reuse is becoming more necessary.

Suffering from chronic under-investment and an insufficient pricing strategy, the core problem of the Lebanese water sector is incomplete wastewater collection and insufficient wastewater treatment.

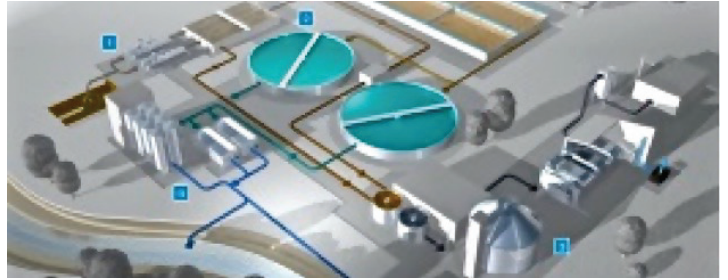
While recent studies estimate that only a minority of the population is served with treated wastewater, around 60% remains connected to a sewage collection network.

Saving 3,600 m³ of water discharged daily in the valley, Khenchara WWTP is a municipal wastewater treatment plant for the Matn District, Mount Lebanon, serving a population of 31,000 capita.

The process comprises a pretreatment stage, followed by a secondary treatment for Carbon, Nitrogen and Phosphorus removal.

The water treatment line comprises a final UV disinfection stage.

The sludge line treatment is composed of thickening, aerobic digestion and mechanical dewatering.



AREA: Matn District, Mount Lebanon

PROJECT: Khenchara WWTP

SECTOR: Water Management

CONTRACTOR: Veolia

PRODUCTS: Wilo-FA and Wilo-Rexa FIT Sewage Pumps, Wilo RZP Recirculation Pumps, Wilo Mixers, Wilo Aeration Systems

“ Wilo has positioned itself as a solution provider in the water management sector and as digital pioneer of the pump industry.

Getting the right intelligent solutions from water sector leaders is critical. We have to convert challenges to opportunities and offer the right solutions in line with sustainability and energy saving goals.

Our aim is to optimize synergy and energy efficiency through competent measures, evaluate energy consumption, and introduce abatement technologies. ”

– Ayman Nassar – Managing Director, Wilo Levant Platform.

DEEP IN THE BLUE, A TRIBUTE



10:10 AM - 10-10-20 Tribute honoring Beirut Fire Brigade's Martyrs after Beirut Blast

After the blast of August 4, a tribute was organized by Octopus Diving Team and Beirut governor Mr. Marwan Abboud in honor of the 10 Martyrs of Beirut Fire Brigade.

Wilo Levant Platform is proud to be part of this memorial, in which Octopus' divers fixed 2 artworks 38m in the deep, in memory of our heroes.



RESILIENCE TO CLIMATE CHANGE

JORDAN LEADS ACTIONS SAVE WATER

STRIKING AMERICAN-MARSH VERTICAL TURBINE PUMPS

The effects of climate change and rapid population growth in the catchment area of the Jordan River caused a rapid decline of available water for the agriculture in the Jordan Valley, thus increasing the importance of using reclaimed water for irrigation which is now the main source of water for more than two third of Jordan Valley’s cultivated surface.

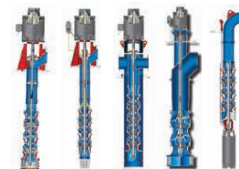
Wilo Jordan have supplied 9 high efficiency American-Marsh vertical turbine pumps with reliable semi open impellers and vertical hollow shaft design for the rehabilitation of irrigation networks at Ghor Alkabed. Consequently, this project is a step forward in achieving food security and strengthening climate change adaptation capabilities by implementing sustainable and resilient agricultural practices that increase productivity and preserve water resources.

In addition to the above and in partnership with “Arar & Abdullah Trading Co.”, Wilo Jordan awarded the tender of supply for 6 vertical turbines (250*4hp + 60*2hp) to Aqaba Water Company for the wastewater treatment plant at Al Aqaba, that will be supplied by the 1st quarter of 2021.

Following the first cooperation with Aqaba Water Co., a visit was conducted by Wilo Jordan country manager Muhammad Abushanab to the company, discussing major topics and solutions in water supply and wastewater utilities.



Jordan Valley

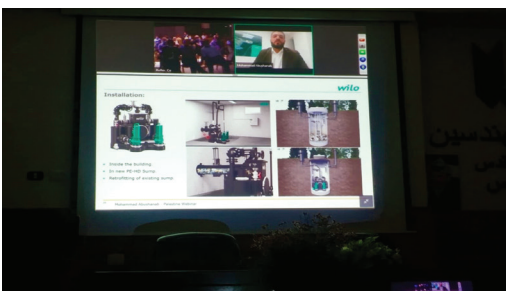


Muhammad Abushanab's visit to Aqaba Water Co.

WEBINAR ON WATER PALESTINE

UPSCALING WATER MANAGEMENT EXPERTISE

A lot of data exists about climate change and water scarcity, but it’s not always transmitted into knowledge and solutions. In collaboration with Reflex Electro-Mechanical and Trade Co, Wilo Jordan and Palestine country manager Muhammad Abushanab hosted a webinar at the Engineers Association in Nablus, Palestine, covering Wilo’s newest pump techs and solutions for the water management sector on November 03, 2020. The engaging virtual session built a better understanding of the environmental challenges and innovative solutions for water sustainability.





BANKMED HEADQUARTERS

CASE STUDY

20 stories of high efficiency

Located at the center of the Mina El Hosn district and near to central Beirut, Lebanon, the 16,400m2 headquarters for BANKMED provides an innovative, stimulating and practical environment for employees, executives and the bank’s customers. The headquarters building is seen from the north, south and east of the city and includes three interconnected office tower buildings, which step up in height from 9 to 19 stories. Our challenge towards a bank designed to make a real contribution to the regeneration of the urban fabric of Beirut was to provide the customers, employees and visitors with all necessities from cooling and air conditioning to efficient water boosting and treatment at the highest levels of comfort and energy efficiency.

Cooling / Air Conditioning

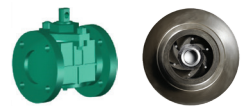


Wilo Star-Z

Hydronic Pumps

Wilo-Suction-Diffusers
-Triple-Duty-Valves
Bronze Impellers

Accessories



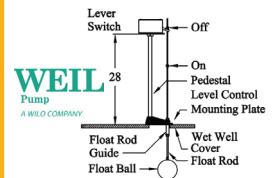
Water Supply / Pressure Boosting



Wilo-Helix V
Wilo-CronoNorm-NL
Wilo-CronoLine-IL

Submersible Sewage Pumps

Pedestal Float Switches from WEIL USA



Wastewater Treatment & Transport



Wilo-Rexa FIT
Wilo-CronoTwin-DL
Wilo-EMU FA
Ceram Coating CO for sea water

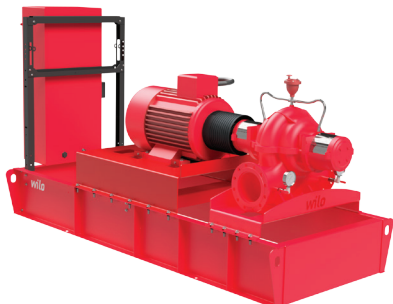
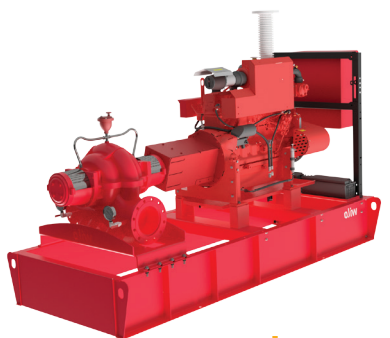
Submersible Pumps

Control Panel for Submersible Pumps:
- TYPE 4 double door dead front enclosure
- Includes high water alarm system
- UL Listed



Wilo-FireSet UL/FM

PRESSURE BOOSTING SYSTEMS FOR FIRE PROTECTION

UL/FM with Electric Motor	Equipment / Performance	UL/FM with Diesel Motor
	1 Main Pump Motor Power P2 (kW)	
30 to 200		37 to 224
1.1 - 1,5 - 0.55 - 0.75	1 Jockey Pump Motor Power P2 (kW)	-
1480 - 2980	Motor Pump Speed (rpm)	1480 - 2980
500 to 2500	Volume Flow Series (gpm)	500 to 2500
260	Max. Head (psi)	260
PN16 / PN25	Max. Nominal Pressure (Bars)	PN16 / PN25
DN80 / DN250	Connections (mm)	DN80 / DN250



Application:

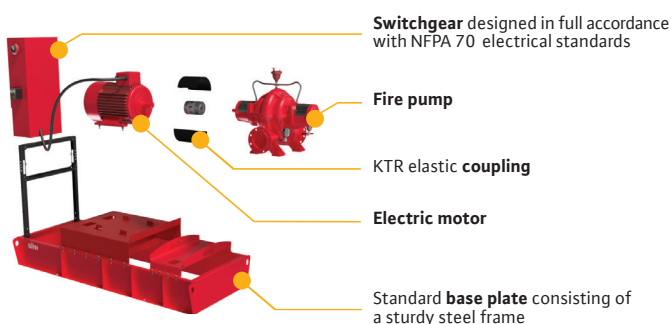
Automatic sprinkler systems in line with NFPA pressure boosting standards for fire protection, used for commercial or industrial buildings.

Benefits:

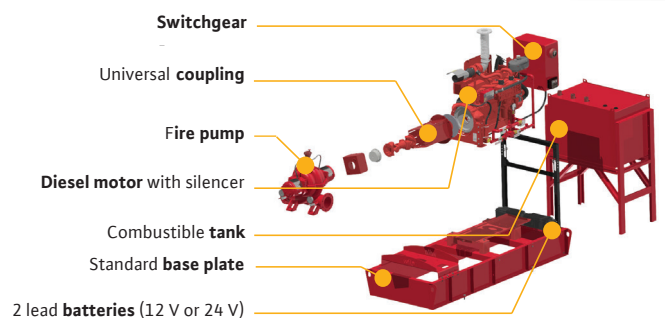
- > **Highest Flexibility in Planning** >> Modular Pump set to NFPA standards
- > **Wide Series of Application and Lifetime** >> Robust Split Case up to 2500 gpm and 260 psi
- > **Easy Transport, Installation and Maintenance** >> Universal Base Plate
- > **High Safety Protection** >> Power Reserve with Strong Safety Buffer
- > **Tailored Configuration** >> Modularity according to individual needs on request

Technical View

UL/FM With Electric Motor



UL/FM With Diesel Motor





SEBASTIA & QABALAN

Location: Burqa, Palestine
Client: Palestinian Water Authority
Sector: Water Management
Mission: Water Network Rehabilitation & Extension, Water Supply, Pressure Boosting
Main Products: Wilo-COR 2 Helix V, Wilo-COR 2 Helix FIRST V



NATIONAL PAINTS

Location: Nablus, Palestine
Client: National Paints Factories Co. Ltd
Sector: Industry
Mission: Fire Fighting System
Main Products: Wilo-SiFire Easy



SOUQ BAB AL-MADINAH

Location: Al Zarqa, Jordan
Client: The Land
Sector: BS Commercial
Mission: Water Supply, Cooling and Air Conditioning
Main Products: Wilo-CronoLine-IL, Wilo-Comfort CO-/COR-Helix V



MAREA

Location: Batroun, Lebanon
Client: Mechanical Engineering Office SARL
Sector: Water Management
Mission: Water Supply, Pressure Boosting, Wastewater Transport
Main Products: Wilo-Rexa FIT, Wilo-Rexa UNI, Wilo-COR 4 Helix V



HIKMA HEADQUARTERS

Location: Amman, Jordan
Client: Hikma Pharmaceuticals
Sector: BS Commercial
Mission: Water supply, Pressure Boosting, Wastewater
Main Products: Wilo-COR-2 HELIX-V , Wilo-Rexa PRO



BEIRUT DIGITAL DISTRICT

Location: Beirut, Lebanon
Client: Beirut Digital District
Sector: BS Commercial
Mission: Water Supply, Pressure Boosting, Fire Fighting, Wastewater Transport, Cooling and Air Conditioning
Main Products: Wilo-Sibooost-Helix CN, Wilo-CO-2-Helix-V, Wilo-RexaLift FIT L, Wilo-Rexa PRO, Wilo-SiFire Easy

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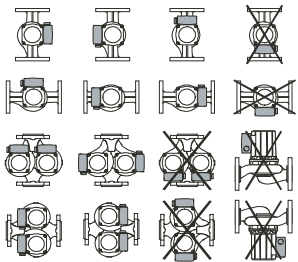


Circulating Pumps

WILO – BRAIN TIPS AND TRICKS

Things You Didn't Know About Circulating Pumps

- > When the fault signal light lights up red, it indicates that the integral motor protection has tripped.
- > When the control lamp goes out, it means that the direction of rotation of the pump is incorrect.
- > If the main voltage is present and the direction of rotation is correct, the rotation indicator light goes green.
- > When installing a circulating pump, assemble it such that the pump shafts are horizontal and not under strain. (See figure below). The motor terminal box must not point downwards. If necessary, slacken the socket-head screws and rotate the motor housing.



Circulating Pump Installation Reference Figure



#BoldbutOld Upgrade Your Circulating Pump

We're launching a new competition through which **We will Upgrade** the **oldest Wilo** circulating pump **YOU find** with our **Smart Wilo-Stratos MAXO**, for FREE.

All you need to do is locate your oldest Wilo Circulating Pump, take a photo of it, send it to us and wait till the competition is over.

Follow us on our social media channels to know more about the competition rules and strategy.

Quick Tip: Circulating Pumps can be found anywhere at home!

GOOD LUCK!



SHAKE
THOSE
BRAIN
CELLS ...

Are YOU
Our Next
WINNER?!

Answer ALL the Questions correctly and get a chance to enter the draw and **Win a Voucher of \$150** to any of our products.

You Can Do It!

1. To which part of the human body can heating circulating pumps be compared?

- The arms
- The heart
- The head

2. A heating circulating pump should be selected according to:

- Capacity data
- Price justifications
- Specified nominal diameter

3. What should one do when in doubt as to which heating pump to select?

- Select the smaller pump
- Select the larger pump
- Select the less expensive pump

4. What is to be considered in designing the delivery head supplied by a heating circulating pump?

- The height of the building
- The pipe network resistance
- Both of the above variables

Submit Your Answers to perla.awad@wilo.com