

# Newsletter

APRIL 2021, 2<sup>nd</sup> EDITION

[www.pump-tec.net](http://www.pump-tec.net)



**PUMP•TEC**

We Help You Make A **Difference**

OUR OFFICIAL NEWSLETTER  
HAPPY TO SERVE YOU!





We Help You Make A **Difference**

# WELCOME

OFFICIAL NEWSLETTER

## HELLO!!

We welcome you to the second edition of our newsletter! You'll find that it is filled with useful information, helpful tips, fun activities, and more. We want this newsletter to be valuable for you so please, do share your feedback and suggestions in the below email to help us improve.

E-mail to help us improve:  
[public.relations@pump-tec.net](mailto:public.relations@pump-tec.net)



## THIS IS A NEW YEAR. A NEW BEGINNING. AND A NEW SUCCESS STORY

HAPPY TO SERVE YOU!

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# WATER

## How Should We Manage The Water Crisis?

**Due** to global warming, increasing world population, technologies that mismanage water resources, and unconscious use of water, 40 percent of the world population is faced with the danger of drought. In the fight against the water crisis, the correct selection and use of pump technologies that bring water to life are of vital importance.

Vahdettin YIRTMAÇ, General Manager of Masdaf, the leading brand of the pump industry; made explanations about methods and “smart water solutions” that will ensure the effective and efficient use of water resources in every field from buildings to industries, from local governments to the agricultural sector.

40 percent of the world’s population is faced with the danger of drought due to climate change. “World Institute of Natural Resources” (WRI) According to a report prepared by Turkey, ranks 32 among the countries suffering water shortages. We are considered to be a country with a “water shortage” with 1.519 m3 of water per capita. Turkey Statistical Institute (TUIK), Turkey predicts that the population reached 100 million in 2030. In this case, the amount of water per capita is expected to be 1,120 m3 / year. In short, we are on the way to becoming a “water-poor” country with our increasing population and decreasing water reserves.

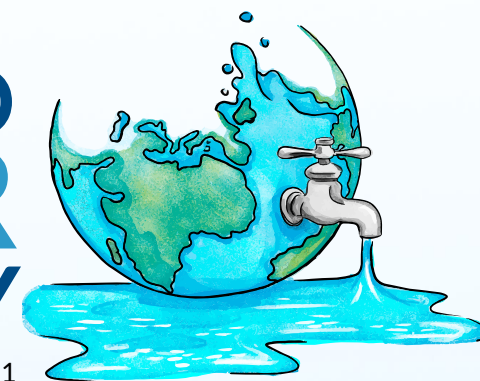
**MASDAF** General Manager Vahdettin YIRTMAÇ, who pointed out the importance of pump technologies in combating the climate crisis, stated that the waste of energy and water in buildings and businesses can be prevented with smart pump technologies for sustainable living. SLASH, He continued as follows: “The transfer and distribution of raw water with pump technologies, effective and efficient management of post-use wastewater are vital for the ecosystem and therefore our future. Because we know that 22 percent of the energy consumed by electric motors in the world is consumed by pumps. For this reason, in order to save energy consumed in buildings and industrial facilities, it is necessary to make the right pump selection and to ensure that the system operates at high efficiency by making periodic maintenance of the existing pumps.





# How Should We Manage The Water Crisis?

## WORLD WATER DAY

22<sup>th</sup> MARCH 2021

Pressure losses occur in the pumps due to the fact that the pumps used in heating and cooling systems, domestic water, and treatment processes are not selected according to the needs or selected at high capacities. This situation causes more energy consumption than necessary in the system. For this reason, it is necessary to determine the nominal load value of the pump correctly and to make the choices accordingly.

**“We prevent water losses and leaks”**

As Masdaf, we play an active role in combating the water crisis that threatens our lives with our smart pump technologies that manage water. In particular, we take steps to prevent the global water crisis with the “smart water conditioning systems” we have developed for residences, industries, hospitals, and schools. We prevent water loss and leakage with our energy-efficient smart pump technologies. We recommend that pumps with a service life of more than 10 years are renewed. Because it is possible to save both water and energy in residences and businesses after renovation. In particular, we measure that the energy consumption of pump technologies has been reduced by up to 80 percent.

It is important to pressurize the water

correctly

We can say that another parameter that is very important in ensuring system efficiency as much as “smart pump technologies” is the “pipes” used in the city network. If these pipes are old and worn, problems such as bursting or puncture may occur. Another reason for the explosion or rupture in the pipes is that the pressures in the pumps placed at the outlet points of the network are kept high in order to compensate for the losses in the long pipelines. The important thing here is the control and renovation of the infrastructure systems and the correct pressurization with smart pump technologies. Because the system is exposed to too much pressure, increasing the amount of water loss in the slightest leak.

Local governments should pressurize the water enough to bring the water into the building. Local governments need to pressurize the water enough to bring it to the water tanks in the building. Afterward, we recommend that the building management support the efficient use of both water and energy by pressurizing the water as much as the building needs. Although water reserves are mandatory for utility water in new buildings for the last 10 years, we still

have a reservoir and water supply for water supply.

The number of buildings that do not have a booster to pressurize is too many. Those living in such buildings will have the most difficulties in the upcoming water crisis. Waiting for the cold water running from the faucet to flow hot is also a waste.

We are unwittingly misusing energy and water resources due to our habits in our homes and workplaces. While waiting for the cold water flowing from the faucet to flow hot, especially in the winter months, 2 or 3 liters of cold water flow in vain. This problem is also caused by the long pipeline distance or not using the correct circulation pump. It is possible to save energy and avoid wasting water resources by supplying hot water within a few seconds by providing correct pressurization with smart pump technology.

**“We must also be sensitive to individual water consumption”**

In order to use water resources efficiently, we need to be sensitive to individual consumers as well as pump technologies that manage water. For example; We can take simple but important measures by reducing water consumption in the shower, turning off the tap while brushing our teeth or shaving, and

not operating the dishwashers and washing machines before they are fully charged. As a more macro measure, we can evaluate the water we spend in daily consumption by treating them with “gray water recovery systems” and using them again for garden irrigation and toilet bowls.

**“We still do not use professional irrigation systems in agricultural irrigation”**

Another waste of water is in agricultural irrigation because we still do not use professional irrigation systems. The old system of irrigation, called flood irrigation, causes the water that is passed open through the canals to evaporate on the road. In addition, we waste water due to unnecessary, inefficient irrigation. For this reason, professional “drip irrigation” methods in agriculture should be made widespread as soon as possible and incentives on this issue should be increased. These technological irrigation methods will both save energy and water resources and increase agricultural productivity. As Masdaf, we play an active role in the protection of energy and water resources with our efficient pump and booster technologies used in pressurizing water in drip irrigation systems.” said.



# OUR **NEW** WEBSITE

**After** a couple of months of planning, we are delighted to announce the launch of our newly redesigned website. We wanted a new website to better collaborate with our customers, distribution partners, and engineering professionals. We hope you like the fresh new look to the brand website and the improved navigation that will allow you to find our new developments, our complete product assortment, and helps clients to find our technical information quickly and easily.

## We value your opinion

Please contact us to let us know what you think of our new website - all comments and feedback are welcome. Please also let us know if you cannot find something or would like to make any suggestions for new information or topics.

Many thanks for your ongoing support and we look forward to hearing from you.

E-mail to help us improve:  
[public.relations@pump-tec.net](mailto:public.relations@pump-tec.net)



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13<sup>th</sup> APRIL 2021

# Ramadan Muslim Holy Month

RAMADAN KAREEM 1442 H

Ramadan, Arabic Ramadan, in Islam, the ninth month of the Muslim calendar and the holy month of fasting. It begins and ends with the appearance of the crescent moon. Because the Muslim calendar year is shorter than the Gregorian calendar year, Ramadan begins 10–12 days earlier each year, allowing it to fall in every season throughout a 33-year cycle. Ramadan lasts from Tuesday, April 13<sup>th</sup> to Wednesday, May 12<sup>th</sup> in 2021. (Dates are dependent on the appearance of the crescent moon and may vary across countries.)

Islamic tradition states that it was during Ramadan, on the “Night of Power” (Laylat al-Qadr)—commemorated on one of the last 10 nights of Ramadan, usually the 27<sup>th</sup> night—that God revealed to the Prophet Muhammad the Quraan, Islam’s holy book, “as a guide for the people.” For Muslims, Ramadan is a period of introspection, communal prayer (salat) in the mosque, and reading of the Quraan. God forgives the past sins of those who observe the holy month with fasting, prayer, and faithful intention.



“تتمنى شركة بامب-تك وأسرة العاملين بها لكم  
أطيب التمنيات بحلول شهر رمضان المبارك أعادة الله  
عليكم وعلينا بالخير واليمن والبركات

We Extend Our Congratulations  
by Ramadan 2021

”





# team work

MEET THE PUMPTec TEAM

## Meet the Pumptec Team

The driving passion of each Pumptec team member shines through in their eagerness to provide innovative pump technology solutions for their customers.



**Ibrahim Aly**  
Finance Manager



**Ahmed Abd El-Wahab**  
Installations Manager



**Hassan Mostafa**  
Legal Department Manager



**Badr Ibrahim**  
Operation & Maintenance  
Officer





## Our Main Agent

S U C C E S S   P A R T N E R

### MASDAF

Established in 1977 based on the principle for ensuring effective use of water and energy, and thus the protection of vital resources, and founded with 100% domestic capital, Masdaf produces environmentally-friendly and innovative “fluid transfer systems” that provide energy efficiency.

Masdaf, the leading brand of the pump industry, manufactures end-suction pumps, inline pumps, hydrophores, expansion tanks, fire pumps, stage pumps, process pumps, submersible pumps, column pumps, self-priming pumps and gear pumps in the Düzce facilities built on an area of 40,000 m<sup>2</sup>. a

Masdaf produces centrifugal pumps to be used in many fields such as industrial processes, irrigation systems, heating and cooling systems, marine industry, waste water transfer, fire extinguishing processes, petro-chemical industry, agricultural irrigation, etc. Adopting a customer-oriented approach to meet the expectations of their customers at the highest level, Masdaf prioritizes customer satisfaction in all of their processes from R&D

to manufacturing of pump technologies and manufactures their products according to the requirements of the project.

Masdaf has adopted the mission to provide the best service in the field of pumping technology in the shortest time possible with their extensive dealer and authorized service network throughout Turkey.

Exporting high efficiency pump systems developed in accordance with ERP directives to more than 65 countries, Masdaf also aims to be sustainable in these countries with the distributor and authorized service network established in these countries.

Masdaf is awarded with quality certifications such as ISO9001:2015 Quality Management System, ISO14001:2015 Environmental Management System and ISO 45001:2018 Occupational Health and Safety Management System; and also quality certificates of UL, FM, NFPA 20, TSE, CE, ATEX, GOST, UKR Sepro etc.





**Our Main Agent**

SUCCESS PARTNER

# HISTORY

## SUCCESS PARTNER

**1977.** Mas Pumps, established by Mr. Ozer Polatoglu, started pump manufacturing in a small workshop

**1980.** With business progressing, production moved to its first factory in Tasdelen, Istanbul

**1991.** Started the first industrial pressure booster production of Turkey as a pioneer

**1992.** Our Test Station in Duzce factory started operations

**1993.** F Booster Systems "started to be manufactured under the brand name of DAF.

**1996.** "Closed Expansion Tank" started production. Turkey's first "Closed Expansion Tank" MAS was produced by DAF.

**2000.** Started to produce "Fire Extinguishing Systems" in accordance with NEPA Standards.

**2002.** First in Turkey "Self Suction Waste Water Pump" Produced by Masdaf

**2006.** In order to minimize the risk of errors and increase the production capacity with modern pump production technologies, Duzce has been built on 40.000 square meters area with 22.000 square meters closed area. Düzce Factory put into operation.

**2009.** Fire extinguishing systems; UL and FM Approved by.

**2010.** Eco Design products for development Blue Efficiency technology It was used.

**2013.** Atasehir Head Office and Tasdelen Logistics Center, Tuzla Birlik Organized Industrial Zone Moved to our factory where "fire systems production were produced..

**2014.** MAS Circulation Pumps joined the Mas Daf product range in cooperation with Biral & Switzerland.

**2016.** For the first time in Turkey, % Magnetically Coupled Pump with Magnetic Coupling "was produced by a 100% local pump manufacturer.

**2017.** MAS Academy commenced service. For the first time in Turkey, ATEX certification was obtained by a 100% local pump manufacturer.

GENIO, the motor-driven frequency inverter, is now available.

MAS Xpress for the first time in Turkey, circulation pumps, sewage pumps and pump systems began immediately on delivery service.



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PUMPTEC installed a fire extinguishing system room at the MISR Phosphate Company headquarters

قامت بامب تك بتجهيز وتركيب غرفة نظام إطفاء الحريق في المقر الرئيسي لشركة فوسفات مصر



Starting installation of fire extinguishing systems by the PUMPTEC team in the project of establishing a personnel rest house in Saint Catherine city - Ministry of Interior

بدء أعمال تركيب نظم إطفاء الحريق من قبل فريق عمل بامب تك في مشروع إنشاء استراحة الأفراد بمدينة سانت كاترين - وزاره الداخلية

The project of the National Authority for Egyptian Railways for the workshops of Kom Abu Radi in Beni Suef

مشروع الهيئة القومية لسكك حديد مصر لورش كوم ابو راضي بنى سويف



Starting installation of fire extinguishing systems by the PUMPTEC team in the project of establishing an Abu Shaqah Mosque, 6th October city

بدء أعمال تركيب نظم إطفاء الحريق من قبل فريق عمل بامب تك في مشروع إنشاء مسجد أبو شقه في مدينة 6 أكتوبر





# The Happy Cooker

EASY & HEALTHY RECIPES

## Inside-out Chicken Kiev

1. Place the chicken on a baking tray, rub with a little of the butter, season, and cook under the grill for 15 mins, turning once until cooked through.

2. Mix together the remaining garlic butter and breadcrumbs. Remove the chicken from the grill and top each breast with a smear of the breadcrumb butter. Return to the grill and cook 3-5 mins until the breadcrumbs are golden and the butter melted. Serve any buttery juices, alongside new potatoes and peas or broad beans.

## A QUICK, EASY LOW FAT RECIPE WITH JUST 3 INGREDIENTS:

- 4 Skinless, Boneless Chicken Breasts
- 25g Garlic Butter, Softened
- 25g Crispy Breadcrumbs

## Italian-Style Beef Stew

In a large saucepan, cook onion and garlic in olive oil for 5 mins until softened and turning golden. Tip in the beef strips, pepper, tomatoes, and rosemary, then bring to the boil.

Simmer for 15 mins until the meat is cooked through, adding some boiling water if needed.

Stir through the olives and serve with mash or polenta.

## AN EASY, SUPERHEALTHY STEW FULL OF VITAMIN C:

- 1 onion, sliced
- 1 garlic clove, sliced
- 2 tbsp olive oil
- 300g pack beef stir-fry strips, or use beef steak, thinly sliced
- 1 yellow pepper, deseeded and thinly sliced
- 400g can chopped tomatoes
- sprig rosemary, chopped
- handful pitted olives

## Superhealthy Salmon Salad

1. Heat water in a tier steamer. Season the couscous, then toss with 1 tsp oil. Pour boiling water over the couscous so it covers it by 1cm, then set aside. When the water in the steamer comes to a boil, tip the broccoli into the water, then lay the salmon in the tier above. Cook for 3 mins until the salmon is cooked and the broccoli tender. Drain the broccoli and run it under cold water to cool.

2. Mix together the remaining oil and lemon juice. Toss the broccoli, pomegranate seeds, and pumpkin seeds through the couscous with the lemon dressing. At the last moment, roughly chop the watercress and toss through the couscous. Serve with the salmon, lemon wedges for squeezing over, and extra olive oil for drizzling, if you like.

## THIS SALAD IS HIGH IN OMEGA-3, IRON AND CALCIUM:

- 100g couscous
- 1 tbsp olive oil
- 2 salmon fillets
- 200g sprouting broccoli, roughly shredded, larger stalks removed
- juice 1 lemon
- seeds from half a pomegranate
- small handful pumpkin seeds
- 2 handfuls watercress
- olive oil and extra lemon wedges, to serve



**BREAKING**

**NEWS**

LIVE



A handout satellite image shows a view of the Grand Ethiopian Renaissance Dam (GERD) in Ethiopia on July 20, 2020. (AFP)

## Egypt Renews Warning to Ethiopia on **GERD**

Egypt renewed on Monday warnings against Ethiopia's unilateral filling and operation of the mega-dam it has been constructing on the Blue Nile.

Cairo stressed it will not accept the "grave negative impacts" of Ethiopia's actions.

In remarks marking World Water Day on Monday, Abdel Aty stressed that the dam and its impact on the Nile River represent one of the greatest challenges to Egypt.

Cairo has recently intensified its diplomatic efforts to prevent Addis Ababa from proceeding with the second filling of the dam reservoir and pressured it to reach a binding legal agreement.

Ethiopia began constructing the 1.8-kilometer-long GERD in 2011 to generate power.

However, Cairo and Khartoum fear the potential negative impact of the dam on the flow of their annual share of the Nile's 55.5 billion cubic meters of water.

They continue to stress the need to reach a binding and comprehensive agreement that guarantees the rights and interests of the three countries.

For nearly a decade, the AU-sponsored talks between Cairo, Addis Ababa, and Khartoum over the operation and filling of the mega-dam have faltered.

Last month, Khartoum proposed forming a quartet committee that includes the European Union, the United Nations, the United States, and the African Union to mediate the GERD talks, a proposal rejected by Addis Ababa and welcomed by Cairo.

# Newsletter GAMING

PLAYZONE

HOW MANY?



how many eggs do you see?

SHAM EL-NESSIM

**Egypt's oldest celebration**

CAIRO – 3<sup>rd</sup> May 2021: **Sham El-Nessim** is an old spring festival celebrated by the Egyptians since 2,700 BC (the third dynasty of the Old Kingdom). This festival doesn't have any religious background. Sham El-Nessim is usually a national holiday, marking the beginning of spring.

SOLVE THE PUZZLE IN THE NEXT ISSUE



THE SOLVE THE PUZZLE OF THE PREVIOUS ISSUE





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NEW  
SUCCESS  
STORY

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