



HAMAD UNITED

We are
Creative
HAMAD UNITED
Commercial Activities



HAMAD UNITED

About us:



Hamad United is a premier supplier dedicated to serving the Oil, Gas, Water & Power industries with high-quality original equipment, spare parts, and a comprehensive range of services. Established back in 2001 with a vision to become a trusted partner in these critical sectors, we pride ourselves on our commitment to excellence, integrity, and customer satisfaction.

Mission:



"At Hamad United, our mission is to deliver high-quality original equipment, parts and services to our clients. We are committed to providing competitive pricing and exceptional pre-and post-sales services that exceed our clients' standards and requirements. Our focus is on building lasting relationships with our clients by ensuring their operational efficiency and success."

Vision:



"Our vision is to be the leading supplier in the Oil, Gas, Water & Power industries recognized for our unwavering commitment to quality, innovation, and customer satisfaction. We aspire to set industry standards through our reliable products and unparalleled service, contributing to the growth and sustainability of our clients' operations worldwide."

Values:



At the core of our operations are our values of quality, customer-centricity, integrity, innovation, collaboration, and sustainability. We believe in building lasting relationships with our clients, based on trust and mutual success. By aligning our goals with the needs of our clients, we strive to contribute positively to their growth and the industries we serve.

Technical Support Services Overview

1. Commitment to Customer Satisfaction:

At Hamad United, we understand that our clients' success relies heavily on the performance and reliability of the equipment and parts we supply. Our dedicated technical support services are designed to ensure that our customers receive prompt and effective assistance, enabling them to operate at peak efficiency.

2. Expert Team:

Our technical support team is composed of highly trained and experienced professionals with extensive knowledge of the Oil, Power, and Cement industries. They are equipped to provide comprehensive support tailored to the specific needs of our clients, ensuring that they receive the most accurate and effective solutions.

3. Range of Services:

We offer a wide array of technical support services, including but not limited to:

- **Installation Assistance:** Our team provides on-site support for the installation of equipment and parts, ensuring that everything is set up correctly and safely.
- **Troubleshooting and Diagnostics:** We offer timely troubleshooting and diagnostic services to identify and resolve any issues that may arise, minimizing downtime and maintaining productivity.
- **Maintenance and Repair Services:** Our technical support includes scheduled maintenance and repair services to ensure that equipment remains in optimal working condition, extending its lifespan and reducing the risk of unexpected failures.

4. Availability 7/24:

Understanding that our clients may operate around the clock, our technical support services are available 24/7 to provide assistance whenever it is needed. This ensures that help is always just a call away, no matter the time of day.

5. Customer Feedback and Continuous Improvement:

We value customer feedback and use it to continuously improve our technical support services. By actively listening to our clients' needs and experiences, we strive to enhance our offerings and provide the best possible support.

6. Commitment to Safety and Compliance:

Our technical support services adhere to all relevant industry standards and safety regulations. We prioritize the safety of our clients and their operations, ensuring that all solutions provided meet the necessary codes and standards.



CLIENTS



الهيئة السعودية للمياه
Saudi Water Authority



شركة هجر لإنتاج الكهرباء
HAJAR ELECTRICITY PRODUCTION COMPANY



الشركة السعودية للكهرباء
Saudi Electricity company

أرامكو السعودية
saudi aramco



المشاورات المشتركة
AL KHAFJ JOINT OPERATIONS



وزارة الدفاع
MINISTRY OF DEFENSE

وزارة الإعلام
Ministry of Media



مرافق
MARAFIQ



NOMAC



شركة نقل المياه
WATER TRANSMISSION CO.



اسمنت الشرقية
Eastern Cement



ALG
ADVANCED LINES GROUP

الإسمنت السعودية
SAUDI CEMENT



Doosan Power Systems

Lines of Business

WITH OUR PARTNERS



At Hamad United, we proudly represent Taprogge, a pioneering company dedicated to optimizing cooling water circuits across diverse applications, including power stations, desalination plants, and various industrial sectors. Each year, fouling issues cost plant operators worldwide an alarming \$50 billion. Taprogge stands at the forefront of combating these challenges, leveraging our unique advancements in pre-screening, filtration, and on-line tube cleaning technologies for condensers and heat exchanger tubes.

In addition to supplying these high-quality products, Hamad United is committed to providing exceptional installation and maintenance services. Our experienced technicians ensure that all installations are conducted efficiently and in accordance with industry standards, minimizing disruption to your operations. Furthermore, we offer ongoing maintenance services to keep your systems running smoothly, helping you avoid costly repairs and unexpected downtime.

By choosing Hamad United as your partner for Taprogge products, you benefit from our expertise and commitment to quality. We understand the critical role that efficient equipment plays in your operations, and we are dedicated to delivering solutions that enhance your productivity and success.



HAMAD UNITED

Innovative Filtration Solutions:

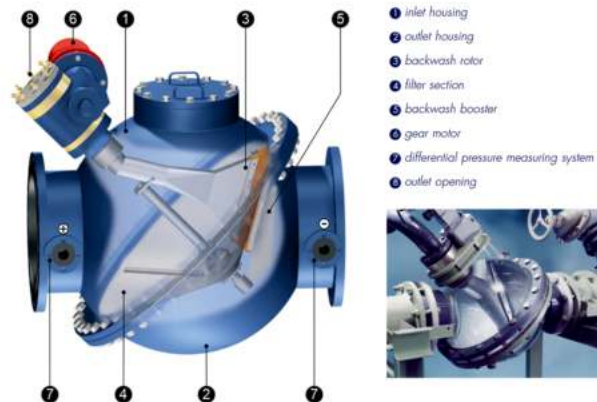
1- Our PR-BW 100 Automatic Backwash Filter is engineered for seamless separation of macro fouling and other particles from liquids without interrupting flow. This robust system accommodates volume flows ranging from 64 to 5,000 m³/h, with connecting diameters from DN150 to DN750.

Filter type PR-BW 100 in a power plant



Filtration

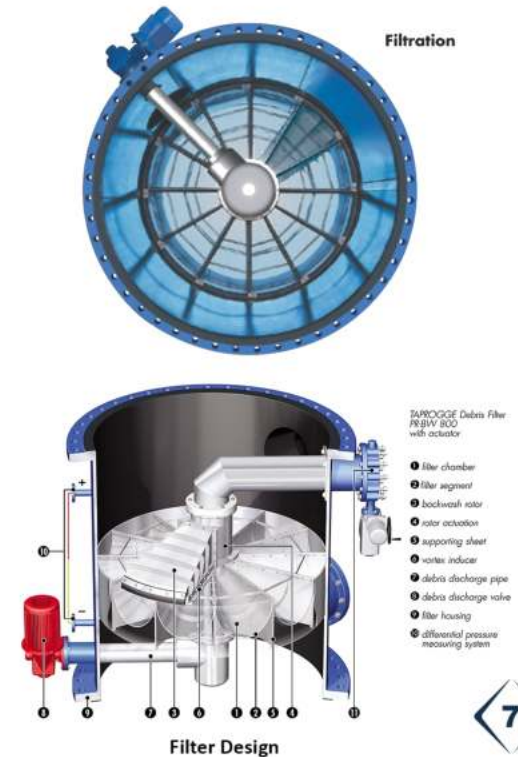
All functions necessary for automatic filter operation, such as, for control, protection, and signalling, are contained in the control panel.



2- For larger applications, the **PR-BW 800 High-Performance Automatic Backwash Filter** excels in filtering cooling water in power stations and extensive industrial water systems. Capable of handling massive volume flows exceeding 100,000 m³/h, this filter effectively safeguards turbine condensers and heat exchangers from macro fouling, ensuring optimal performance. Connecting diameters range from DN800 to DN3600.



Filter type PR-BW 800 in a power station



3- On-Line Tube Cleaning Systems

The TAPROGGE on-line tube cleaning system has become the global standard, recognized as a technical benchmark for the continuous cleaning of cooling tubes in heat exchangers and condensers. By implementing TAPROGGE systems, you can achieve:

- Enhanced Efficiency and Availability: Ensuring consistent heat transfer in your heat exchangers and condensers.
- Reduced Energy Costs and Increased Turbine Output: Maximizing operational efficiency while minimizing expenses.
- Environmental Benefits: Lower fuel consumption leading to a reduced ecological footprint.
- Extended Equipment Lifespan: Promoting longevity and reliability of your thermal equipment.
- Minimized Corrosion: Protecting your heat exchangers from deterioration.
- Avoidance of Unscheduled Downtime: Preventing costly interruptions due to tube leakage.

Recirculating Unit (incl. Control System)



Type: C3
Application: for small heat exchangers / ball charges



Type: C13
Application: for medium-size heat exchangers / ball charges



Type: C40
Application: for large heat exchangers / ball charges



Type: C55
Application: for large heat exchangers / ball charges

Features:

- TAPROGGE Recirculating Units include:
 - ball recirculating pump
 - ball collector
 - control panel
 - ball monitors BRM and BEM (optional)
- TAPROGGE Recirculating Units are Functional units in Plug & Work standard, i.e. mounted and cabled ready for work. The operator is thus saved costly installation work on site.
- Designed as single-line system (1 recirculating unit per strainer section) or combined system (1 recirculating unit per 2 strainer sections).

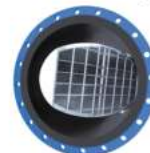
Ball Injection



Features:

- Place of installation can flexibly be adapted to space conditions
- Multiple ball injection with larger cooling water pipes

Strainer Section



Type: E1
Nominal diameter: DN 150 - DN 750
Screens: 1 elliptical screen



Type: D2
Nominal diameter: DN 800 and bigger
Screens: 2 semi-elliptical screens in "roof shape"

Features:

- patented vortex vane, thereby:
 - lowest pressure losses by avoidance of outdated suction points located in the flow centre
 - induction of a secondary flow in parallel to the screen surface by which a self-cleaning effect of the screens is reached; the screens remain free from macro fouling in the main areas
- screens without welding as bracing construction to avoid crevice corrosion
- screen design with edgewise bars to avoid matting caused by fibrous debris

The basic Construction Kit. In the basic Version, the TAPROGGE System comprises 3 Components

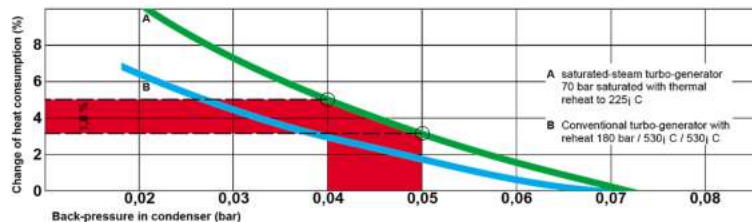
By TAPROGGE Systems you obtain:

- efficiency and availability by permanently constant heat transfer of your heat exchangers and condensers
- reduction of your primary energy cost, increase of your turbine output
- relief of environmental burden by saved fuel (reduction of SO_2 , NO_x , CO_2)
- longer lifetime of your thermal equipment
- reduced corrosion in heat exchangers
- avoidance of unscheduled shutdowns due to tube leakage

TAPROGGE - the cost effective investment

- By TAPROGGE Systems the heat consumption of a turbine unit is reduced by 1 - 2 % or more
- The thermal capacity gains alone, TAPROGGE Systems give payback times of 0.5 - 2 years
- Additional financial benefit is created by reduced emission (reduction of SO_2 , NO_x , CO_2) due to fuel saving

Relation between heat consumption and condenser back-pressure for a 600 MW turbo-generator



And TAPROGGE provides even more:

- Support in application technology at the planning stage.
Prior to investment, tube examinations can provide valuable knowledge in view of the feasibility and the extent of the future cleaning success. This assists the operator to make his investment decision wisely.
- Access to the most comprehensive ball assortment the world over. With the system the operator is provided only with a mechanism for the transport of the cleaning balls in the cooling water circuit. This alone does not yield a benefit. Benefit is created by the application-technological know-how of the relations among cooling water chemistry and biology (micro fouling), tube material and cleaning balls.
The availability and optimal choice of ball type and cleaning mode are the key to effective tube cleaning. That's why TAPROGGE supports its customers with an unparalleled range of special cleaning balls. The quality standard and the variety of ball types are an essential contribution to the success of our aftersales care.
- Expert know-how by IN-TA-S®. More than 50 TAPROGGE Service experts at 10 international service bases provide the operators with maximum availability. More than 10,000 TAPROGGE Systems in over 100 countries of the world are proof of the know-how and experience of our international service team. In fact it can be proven that by making use of IN-TA-S® the yearly benefits exceed the investment value of the TAPROGGE System by far.



2 Logistics and Supply Chain Management:

- **Original Equipment Supply:** Provision of high-quality original equipment for the Oil & Power industries, ensuring reliability and performance.
- **Spare Parts Supply:** Offering a comprehensive range of spare parts compatible with industry standards delivered on timely and reliable manners to ensure a smooth operation of machinery and equipment of our clients.

1- Seawater Debris Filter, Heat Exchangers' / Condensers' Ball Cleaning Systems. Condenser Monitoring System using Eddy current techniques, Condenser tube sheet rehabilitation, all Cleaning Systems for cooling waters, Seawater intake systems, etc.

2- Flare systems, Agitators including level control and pressure & temperature control, Static mixers and In-Line mixing systems for liquid and gases, Pinch-Valves pneumatic operated, pipeline equipment, etc.

3- Mak Diesel Engines Spare Parts Caterpillar Engine spares

4- All types of pumps and their spare parts for different plants

5- Gas turbine burners & nozzles spare parts.

6- All kinds of water / steam / chemical Valves

7- All types of Air, Gas and Liquid Filters

8- Gas / Air Compressors Spare Parts

9- Various Chain and Sprocket Drives

10- Gear Drives –as per requirement

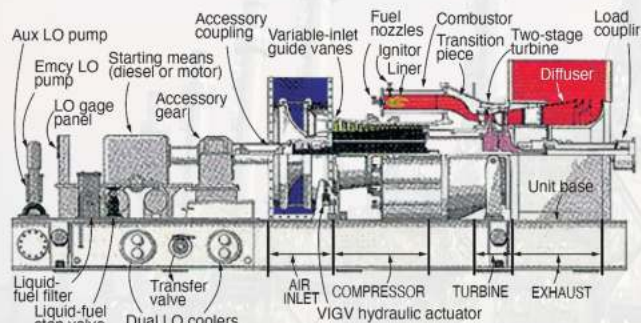
11- All types of Heat Exchangers

12- Gas Cleaning Systems

13- Conveyor systems



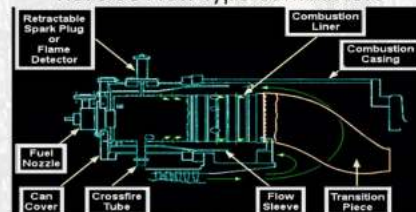
- 1- **Parts Lifecycle Tracking:** Comprehensive tracking of the lifecycle of gas turbine components, ensuring that clients are aware of the status and condition of all parts.
- 2- **Capital Parts Tracking:** Monitoring and managing the inventory of capital components to optimize performance and cost-effectiveness in operations.
- 3- **Firing Hours Tracking:** Utilizing a Microsoft Access database to accurately track firing hours of gas turbines, providing valuable insights into performance and maintenance scheduling.
- 4- **Technical Information Letters (TILs) Implementation:** Following up on the implementation of Technical Information Letters (TILs) and maintaining accurate records to ensure compliance and optimal performance of gas turbine assets.
- 5- **Data Analysis and Reporting:** Analyzing tracked data to generate reports that help clients make informed decisions regarding maintenance, replacements, and operational efficiency.



1. MS5001 gas turbine (right-side view) identifies auxiliaries and their locations on the accessory base and turbine base



Reverse Flow type Combustors



4 Technical Support Services:

- 1- Installation Services: Expert assistance in the installation of equipment and materials, ensuring compliance with industry standards and operational efficiency.
- 2- Maintenance Services: Regular maintenance programs designed to keep equipment in optimal working condition, reducing downtime and enhancing productivity.
- 3- Repair Services: Prompt repair services to address any issues that may arise, minimizing operational disruptions.
- 4- Consultation Services: Providing expert advice and consultation to help clients select the right materials and equipment for their specific needs.

5 Customer Support:

Technical Assistance: Ongoing technical support to address client inquiries and provide solutions in real-time.

6 Quality Assurance:

- 1- Quality Control: Implementing stringent quality control measures to ensure all materials and services meet or exceed industry standards.
- 2- Compliance: Ensuring that all products and services comply with local and international regulations and standards.



Conclusion

Hamad United is committed to being a reliable partner in the Oil, Gas, Water & Power industries by providing high-quality material supply and comprehensive service offerings. Our goal is to support our clients' operational needs and contribute to their success through our diverse range of products and services.



HAMAD UNITED



HAMAD UNITED



**Khaled Bussinss Center - King Khaled St Cross 19
Al-Khobar 31952 - Kingdom of Saudi Arabia**



info@hamadunited.com



**+966 53 910 0001
+966 13 818 6485**