

WATER SYSTEMS CO., LTD.

شركة الأنظمة المائية المحدودة



OUR GROUP COMPANIES



Our company is proud of its network of specialized branches that provide comprehensive solutions to meet the needs of our customers in various fields:

DFS: The branch specialized in fire pump systems, where we provide integrated and safe solutions for fire fighting while adhering to the highest international standards to ensure safety and effectiveness.

Waisco: We are the authorized distributors of the famous Calpeda pumps, known for their high quality and superior efficiency in transporting and distributing water for various purposes, whether for homes or industrial projects.

WAIS: Our branch specialized in water desalination plants and sewage systems, where we provide advanced solutions that contribute to providing clean water and effective treatment of used water according to the latest international technologies.

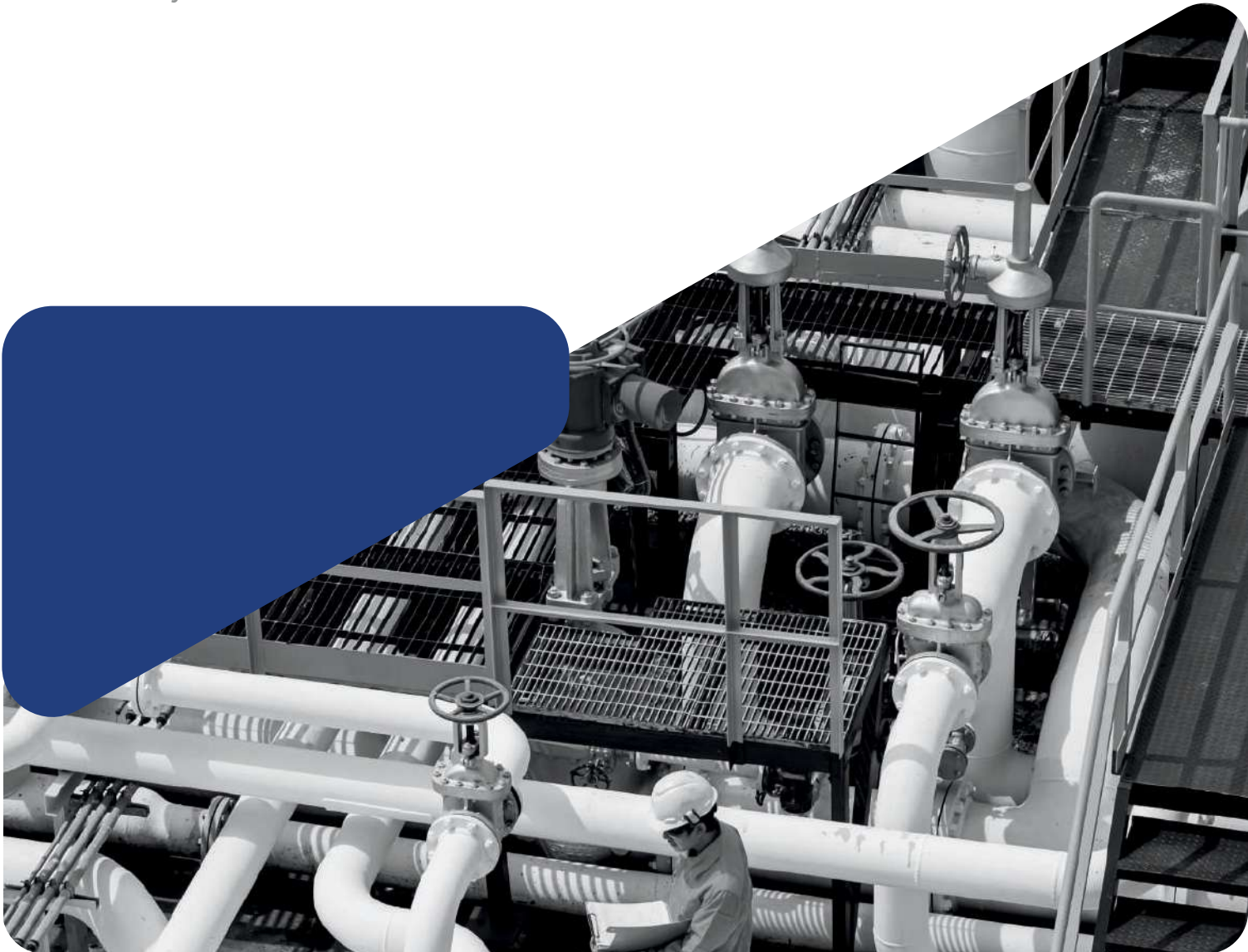
OUR PARTNERS



ABOUT US

We are a company that relies in its work on the expertise of its engineering and technical cadres specialized in all fields, especially in the field of implementing water purification station projects, sewage pumping stations, feed water pumping stations, and fire fighting water pumping stations.

Our company has the ability to meet the needs of various customers and implement mechanical and electrical contracting works, protection, monitoring, communications and control systems



MISSION AND VISION

Our Mission: We are committed to enhancing mutual trust with our clients by building long-term partnerships and providing innovative solutions that contribute to their success. We are always keen to provide the best services that meet our clients' needs and achieve their aspirations, through a deep understanding of their requirements and providing the best solutions that suit them.

Our Vision: We aspire to achieve excellence and continuous innovation in providing services and products that meet the highest quality standards and contribute to building a sustainable and advanced future for our customers and partners. Our vision is based on excellence in performance and dedication to customer service



OUR SERVICES

WATER PUMPS, SEWAGE PUMPS AND SUBMERSIBLE PUMPS FOR ALL FIELDS.

Our services include providing water pumps, sewage pumps, and submersible pumps for various applications. We provide integrated solutions including installation and maintenance to ensure high performance and long-term efficiency.

DESALINATION PLANTS FOR WELLS AND SEAS.

Our services include providing water desalination plants for wells and seas. We provide integrated solutions including design, installation, and maintenance, to ensure pure and usable water using the latest technologies to achieve high efficiency.

FIRE PUMPS AND FIRE EXTINGUISHING NETWORKS.

We supply, install, and maintain fire pumps and integrated firefighting systems, ensuring reliable performance and safety for all types of buildings.

WASTEWATER TREATMENT PLANTS.

We design and build efficient wastewater treatment plants for industrial and municipal use, supporting treatment, recycling, and safe disposal in line with environmental standards.

INTEGRATED SERVICES FOR DRILLING VARIOUS TYPES OF WELLS

We provide well drilling services for drinking water, agriculture, and industry, covering planning, drilling, and maintenance with a focus on precision and quality.

AGRICULTURE, LANDSCAPING, ROADS AND IRRIGATION NETWORKS.

We design and install efficient irrigation networks for agriculture, landscaping, and road infrastructure, ensuring effective water distribution across each project.

REVERSE OSMOSIS PLANTS

WATER DESALINATION

with the RO reverse osmosis system is one of the best desalination systems in terms of energy efficiency and the quality of the water produced.

The system consists of a primary treatment to remove solid plankton and an RO unit, to remove salts in an appropriate amount to make the water suitable for drinking and sterilize the water with chlorine or ultraviolet radiation, to get rid of From germs and microbe



OUR COMPREHENSIVE SOLUTIONS

Design

The company provides consulting services for designing stations to obtain the best quality and lowest energy consumption.

Supply

The company provides all supplies for water desalination plants, including pumps, filters, and chemicals.

Installation & Maintenance

We have a technically distinguished team of workers to install and maintain all desalination plants

After Sale Service

The company provides after-sales service, with periodic visits to stations



WASTE WATER TREATMENT

FEATURES OF SEWAGE WATER TREATMENT PLANTS

- Uses of treated water:
- Irrigation of green spaces and agriculture.
- Exploration and extraction activities in the oil and gas sectors.
- Mining activities.
- Power generation activities



OUR COMPREHENSIVE SOLUTIONS

Efficient Wastewater Management

Our sewage stations are designed for reliable, high-performance wastewater management across residential, commercial, and industrial settings

Advanced Treatment Systems

Our systems efficiently treat various types of wastewater, including grey water and sewage, using advanced technology.

Tailored Capacity and Flexibility

From compact units for small applications to large-scale systems for industrial needs, our solutions are customized for optimal capacity and flexibility

Environmentally Compliant and Sustainable

Our sewage stations prioritize sustainability and environmental compliance, supporting resource conservation and eco-friendly operations.

GRAY WATER STATIONS

ADVANTAGES OF GREY WATER TREATMENT PLANTS

- Reduced price
- Low maintenance and operating costs
- Benefits of treated water from grey water:
 - Agricultural irrigation for agricultural crops.
 - Irrigation of residential and public green spaces.
 - Firefighting.
 - Industrial treatment water that may come into contact with workers.
 - Industrial or commercial cooling or air conditioning.
 - Making artificial snow



OUR COMPREHENSIVE SOLUTIONS

Eco-Friendly Wastewater Management

Our greywater treatment systems enable efficient water reuse and help reduce environmental impact.

Versatile Applications

Designed for residential, commercial, and industrial settings, our systems handle gray water from showers, sinks, and similar sources with ease

Advanced Recycling Technology

Featuring innovative technologies, our stations ensure optimal water treatment and recycling, delivering clean water for non-potable uses.

Customizable and Reliable Solutions

We offer flexible designs tailored to various needs, ensuring consistent performance and durability in every application.

LANDSCAPE DESIGN

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OUR COMPREHENSIVE SOLUTIONS

Creative and Functional Designs

We design beautiful, practical outdoor spaces that combine creativity and functionality.

Sustainable and Eco-Friendly Solutions

Our designs focus on sustainability, incorporating eco-friendly materials and practices to preserve the environment while enhancing outdoor aesthetics.

Tailored to Every Project

We tailor our solutions to residential gardens, commercial properties, and urban developments.

Comprehensive Execution and Maintenance

We manage landscape projects from design to completion, with ongoing maintenance for lasting beauty and function.

e-idos®



END-SUCTION CENTRIFUGAL



MULTI-STAGE



SELF-PRIMING



PERIPHERAL

DRAINAGE AND SUBMERSIBLE



END-SUCTION CENTRIFUGAL



Industry

Domestic

Building
services

Agriculture
and
Irrigation

Drainage
And
Sewage

Ground Water
Swimming
Pools

And
Whirlpool
Supply

Heating
And Air
Conditioning





OUR COMPREHENSIVE SOLUTIONS

MÈTA Self-Priming Pump

MÈTA is a plug-and-play self-priming pump with a built-in frequency converter, pressure transducer, check valve, and pressure vessel. It ensures constant pressure through VSD control. Features include boosting sets with 2 pumps, stainless steel manifolds (AISI 304), and connections for a G 1" pressure vessel.

Why is MÈTA Revolutionary?

- Energy Efficient: Reduces energy consumption by 60% with integrated motor and control systems.
- Material Savings: Uses 45% less raw materials through optimized design and smaller components.

Key Features

- Integrated frequency converter
- built-in pressure vessel
- high-efficiency asynchronous motor
- *EASY TO INSTALL Plug and Play solution
- motor power control
- programmable re-start pressure
- *no hydraulic losses due to the measuring devices
- voltage and current control
- monitoring of maximum starting current

Applications

- Ideal for reliable water supply in various settings.
- Perfect for domestic use, including homes, apartments, and small complexes.
- Suitable for garden watering, landscaping, and light irrigation systems.
- Designed to support small-scale agricultural irrigation and similar applications



OUR COMPREHENSIVE SOLUTIONS

Efficient Vertical Multi-Stage In-Line

Designed for performance and durability, these pumps feature corrosion-resistant components, in-line connections, and easy maintenance. Compatible with standard IM V1 motors, with optional frequency converter integration for enhanced control. Perfect for high-demand applications

Why MXV Pumps?

- Reliable, durable, and efficient pumps with compact design, easy maintenance, and versatility for water supply, irrigation, and industrial applications. Customizable to meet specific needs.

Key Features

- In-Line Design: Suction and delivery connections aligned for compact installation.
- Durable Construction: Corrosion-resistant components ensure longevity.
- Easy Maintenance: Mechanical seal removal without motor dismantling for motors >4 kW.
- Universal Compatibility: Supports standard IM V1 motors with optional frequency converter integration.
- Versatile Application: Suitable for diverse civil, industrial, and agricultural needs.

Applications

- Suitable for clean, non-explosive liquids.
- Versatile for civil, industrial, and agricultural use.
- Ideal for pressure boosting, high-pressure washing, and irrigation.
- Supports water systems in sports facilities.

**Different needs,
a unique range**



OUR COMPREHENSIVE SOLUTIONS

Surface Pumps

Surface pumps from Ebara, crafted from durable cast iron or AISI 304/316 stainless steel, deliver reliable performance for surface liquid transfer. Available in single or multistage configurations with closed or open impellers, they cater to residential, commercial, and industrial needs.

Why Ebara?

- Ebara surface pumps combine advanced technology with versatile designs, ensuring efficient and sustainable operation across all applications.

Key Features

- **Robust Materials:** Built for durability and resistance to corrosion.
- **Flexible Designs:** Single-stage for simple tasks; multistage for high-pressure applications.
- **Energy Efficiency:** Precision engineering ensures low energy consumption

Applications

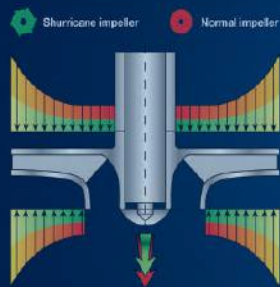
- **Residential Water Supply**
Reliable for boosting water pressure and ensuring a steady flow for daily household needs.
- **Industrial Processes**
Efficient for liquid transfer in manufacturing, cooling, and circulation systems.
- **Agricultural and Municipal Use**
Ideal for irrigation and urban water management, supporting sustainability and efficient resource use.

EVMS Solve axial thrust load

The pump axial thrust load is caused by the unbalance of the static pressure between a front shroud and a back shroud of an impeller. That always causes **the reduction of the bearing life of the motor**.

General methods to work with the axial thrust load are as below.

- Increasing the size of motor bearing or using enhanced motor bearings.
 - Mounting additional ball bearings on the pump bracket.
- These measurements are historically known to cause complicated mechanical structures.



EBARA new designed impeller "Shurricane" can reduce the pump axial thrust load with high pump efficiency by means of the innovative hydraulic design method. EVMS can accept the commercial motors without any modifications and improve the maintenance cycles of motor bearing.

Any motor, anywhere.



OUR COMPREHENSIVE SOLUTIONS

Multistage Pumps

Multistage pumps from Ebara are compact, silent, and highly efficient, designed for both residential and industrial applications. With their innovative multi-stage design, they provide superior liquid pressure performance, making them a reliable choice for a variety of needs

Why Choose Ebara Multistage Pumps?

- Ebara's multistage pumps combine advanced technology, durable construction, and efficient performance. Whether for boosting water pressure or handling industrial processes, they are the go-to solution for consistent and reliable operation

Key Features

- Compact Design: Fits easily into small spaces.
- Quiet Operation: Minimal noise for residential and commercial comfort.
- High Efficiency: Multi-stage design ensures optimal pressure with low energy use.
- Durable Materials: Built to last with corrosion resistant construction.

Applications

- Water Supply Systems: Reliable performance for municipal and industrial water distribution.
- Building Services: Ideal for boosting water pressure in high-rise buildings and HVAC systems.
- Irrigation and Industrial Use: Efficient for agricultural irrigation and high-pressure industrial processes.



OUR COMPREHENSIVE SOLUTIONS

Submersible Drainage Pumps

Ebara's submersible drainage pumps are built for durability and efficiency, crafted from high-quality cast iron or AISI 304/316 stainless steel. Designed for various applications, they handle water and soiled liquids with ease, making them ideal for residential, commercial, and industrial use.

Why Choose Ebara?

- Ebara's submersible drainage pumps combine robust construction with innovative technology, delivering reliable and long lasting performance for all your drainage needs

Key Features

- **Durable Materials:** Corrosion-resistant construction ensures longevity in demanding environments.
- **Efficient Performance:** Handles clean and soiled liquids effectively, even in tough conditions.
- **Compact and Submersible:** Suitable for confined spaces and sub-level operations

Applications

- **Residential Use:** Drains water from basements, garages, and cellars efficiently.
- **Industrial Settings:** Handles wastewater and soiled liquids with ease.
- **Wells and Sub-Level Areas:** Effective for managing water in wells, construction sites, and sub-level spaces



OUR COMPREHENSIVE SOLUTIONS

Wastewater Lift Pumps

Ebara's wastewater lift pumps are designed to efficiently manage sewage and wastewater containing solids or filamentary substances. Equipped with advanced hydraulics, these pumps ensure reliable and effective performance in both residential and industrial applications

Why Choose Ebara?

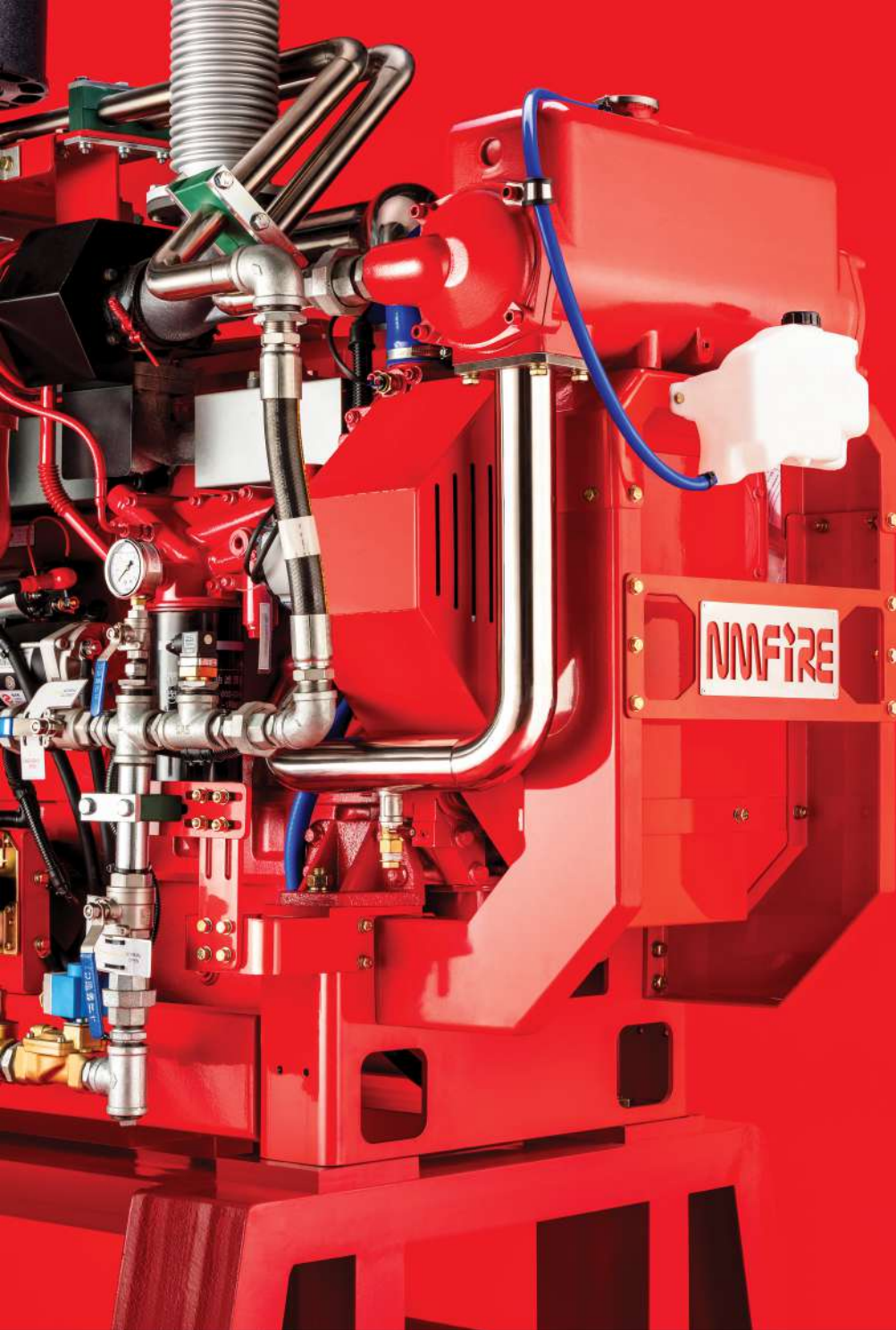
- Ebara's wastewater lift pumps offer cutting edge technology and robust performance, ensuring dependable operation in challenging conditions. Designed for longevity, they provide an effective solution for all wastewater management needs.

Key Features

- Versatile Hydraulics: Includes vortex, single channel, dual-channel, or channel hydraulics for various sewage types.
- Hydraulic Grinder: Efficiently processes sewage with solids or fibrous materials.
- Durable Construction: Built to handle demanding wastewater environments with ease

Applications

- Residential Sewage Management: Ideal for lifting and processing domestic wastewater.
- Industrial Wastewater Systems: Suitable for factories and facilities handling large volumes of sewage.
- Public Infrastructure: Used in municipal systems to ensure efficient sewage flow.



TRUST THE LEADER

**NMFIRE HAS THE LARGEST UL & FM HYDRAULIC OFFERING AND
YOUR ONLY SOURCE FOR ALL DIFFERENT FIRE PROTECTION NEEDS.**





OUR COMPREHENSIVE SOLUTIONS

Split Case Pump

The Split Case Pump is a high-performance fire pump designed to handle large water flows and high pressures efficiently. Its double-suction design ensures stable performance and minimizes maintenance, making it a trusted choice for various fire protection systems and water applications.

Why Choose NMFIRE?

- Certified by global safety standards (UL/FM).
- Proven reliability in demanding environments.
- Backed by expert technical support and service

Key Features

- Flow rate: 300–8000 GPM
- Pressure range: 40–616 PSI
- Robust double-suction design for efficient performance.
- Durable construction with corrosion-resistant materials.

Applications

- Firefighting systems in industrial and commercial buildings.
- Municipal water supply networks.
- High-rise buildings and large facilities requiring reliable water distribution.



OUR COMPREHENSIVE SOLUTIONS

Horizontal End Suction

The Horizontal End Suction Fire Pump is specifically engineered to meet the demanding requirements of fire protection systems. Known for its compact design and reliable performance, this pump delivers exceptional flow and pressure capabilities, ensuring safety and efficiency in critical situations

Why Choose NMFIRE?

- Global leader in certified fire systems
- Reliable, efficient, and durable products
- Expert support from installation to maintenance

Key Features

- Flow Rate: 50 to 2500 GPM
- Pressure Range: 69 to 206 PSI
- Compact and space-saving design
- UL and FM certified for global compliance
- Durable and energy-efficient operation

Applications

- Commercial buildings (hotels, malls)
- Industrial facilities and factories
- High-rise residential complexes
- Warehouses and logistics hubs



OUR COMPREHENSIVE SOLUTIONS

In-Line

The In-Line Fire Pump is a versatile and efficient solution for fire protection systems. Its vertical, compact design makes it easy to install in tight spaces, while delivering reliable performance with optimal flow and pressure

Why Choose NMFIRE?

- Global leader in certified fire systems
- Reliable, efficient, and durable products
- Expert support from installation to maintenance

Key Features

- low Rate: 50 to 1500 GPM
- Pressure Range: 40 to 201 PSI
- Vertical, space-saving design ideal for tight installations.
- UL and FM certifications ensure compliance with international safety standards.
- Low-maintenance design with durable construction for long-term reliability.
- High operational efficiency reduces energy consumption and operational costs.

Applications

- Commercial spaces (offices, shopping malls)
- Residential complexes and high-rises
- Small to medium industrial facilities
- Parking garages and storage units



OUR COMPREHENSIVE SOLUTIONS

Vertical Shaft Turbine

The Vertical Shaft Turbine Fire Pump is engineered for high-capacity fire protection systems. Its robust design ensures reliable performance in demanding applications, with exceptional flow and pressure ranges to meet diverse needs.

Why Choose NMFIRE?

- Global leader in certified fire systems
- Reliable, efficient, and durable products
- Expert support from installation to maintenance

Key Features

- Flow Rate: 100 to 7500 GPM
- Pressure Range: 40 to 377 PSI
- Designed for high-efficiency and long-term operation.
- UL and FM certified for global compliance.
- Ideal for deep well and high-capacity installations.

Applications

- Fire suppression systems in industrial facilities, including manufacturing plants and refineries.
- Municipal water supplies used for firefighting and irrigation.
- High-capacity installations in commercial complexes and agricultural environments.
- Power plants and utility services requiring robust and dependable fire protection solutions.



OUR COMPREHENSIVE SOLUTIONS

About OME Motors

OME Motors is a leading manufacturer of electric motors, offering a wide range of high-efficiency solutions tailored to meet diverse industrial needs. Renowned for their quality and reliability, OME Motors are ideal for various industrial applications, ensuring optimal performance and energy savings.

Why Choose OME Motors

- 60+ years of expertise.
- ISO 9001 certified.
- Reliable, efficient, and innovative.
- Trusted worldwide.

Key Features

- High Efficiency: Compliant with international efficiency standards for energy-saving performance.
- Robust Design: Built with high-quality materials for durability and long service life.
- Versatility: Available in a wide range of capacities and designs to suit various applications.
- Reliability: Undergoes rigorous testing to ensure stable and consistent performance.
- Easy Maintenance: Engineered for simple maintenance to minimize downtime.

Applications

- Manufacturing Plants: Powering machinery and production lines.
- Power Stations: Supporting electricity generation and process control.
- Water Treatment Systems: Driving pumps and related systems.
- Food Industry: Operating equipment and packaging lines.
- Cement and Steel Industries: Powering heavy equipment and machinery



OUR COMPREHENSIVE SOLUTIONS

Advanced Engineering

Eagle Pressure Vessel specializes in crafting high-quality pressure vessels designed to meet the most demanding industrial standards.

Customized Solutions

We provide tailored pressure vessel designs to fit specific industry requirements, ensuring efficiency and safety.

Durability and Safety

Our products are built with premium materials and rigorous testing to guarantee long-term reliability and safety.

Global Expertise

With a proven track record, Eagle Pressure Vessel is a trusted leader in delivering superior pressure vessel solutions worldwide.



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