

# Process Solutions International: Leading Global Provider of Fluid Handling Equipment Since 1991

*Process Solutions International delivers advanced fluid handling equipment and waste reclamation solutions for the global oil and gas industry since 1991.*

HOUSTON, TX, UNITED STATES,

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[SOLUTIONS INTERNATIONAL](#): LEADING

PROVIDER OF FLUID HANDLING

EQUIPMENT FOR THE GLOBAL OIL &

GAS INDUSTRY



PROCESS SOLUTIONS INTERNATIONAL (PSI) stands at the forefront of the global oil and gas industry as a premier supplier of high-performance fluid handling equipment and innovative

waste reclamation systems. Established in 1991 and headquartered in Houston, Texas, PSI has built a legacy of excellence, working with some of the world's largest energy companies.

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PSI's fluid handling solutions are designed to maximize operational efficiency, ensuring durability and reliability in even the harshest oil and gas environments.”

*Kye Keliehor*

With over 30 years of experience, PSI has become a trusted partner to global giants in the oil and gas industry, including SLB, Halliburton, Nabors Drilling, Patterson Drilling, Helmrich and Payne Drilling, Arabian Drilling, and Egyptian Drilling. These companies rely on PSI to deliver dependable equipment solutions, ensuring that their

operations run efficiently in the most challenging environments.

## INDUSTRY-LEADING FLUID HANDLING SOLUTIONS FOR OIL & GAS

PSI's core business is centered on designing and manufacturing high-quality fluid handling equipment, particularly tailored for the demanding oil and gas industry. From high-performance pumps to material handling systems and waste reclamation technologies, PSI provides

comprehensive solutions that support energy companies in optimizing production, reducing costs, and improving overall operational efficiency.

The company's product range has been specifically engineered to withstand harsh operational conditions. PSI's equipment is used extensively in upstream, midstream, and downstream applications, playing a vital role in oilfield operations across North America, Latin America, and the Middle East.

#### CENTRIFUGAL AND PROGRESSIVE CAVITY PUMPS:

Including the MAX2000® series, are renowned for their ability to handle high-viscosity fluids such as drilling muds, slurries, and other industrial liquids. These pumps are integral to processes like mud circulation and waste fluid management, ensuring smooth and uninterrupted operations at drilling sites.

MAX2000® MUD AGITATORS: PSI's MAX2000® Mud Agitators provide reliable and efficient agitation for drilling mud, preventing solid build-up and ensuring consistent particle suspension. This equipment helps maintain the integrity of drilling operations, reducing downtime and enhancing overall productivity.

#### MATERIAL HANDLING EQUIPMENT:

PSI's material handling equipment, including screw conveyors and high-shear hoppers, ensures that semi-solid bulk materials, such as drill cuttings, are transported and processed efficiently. These systems are designed to handle the rigors of oilfield environments, ensuring long-term durability and low maintenance requirements.



Process Solutions International Agitators



Process Solutions International Centrifugal Pumps

## GAS MANAGEMENT SYSTEMS

PSI's gas management systems are designed to handle the safe and efficient removal of harmful gases, such as methane and CO<sub>2</sub>, from drilling fluids. These systems, including vacuum degassers and atmospheric degassers, help energy companies maintain operational safety and comply with environmental regulations.

## WASTE RECLAMATION AND DEWATERING SYSTEMS:

PSI's dewatering and waste reclamation systems provide a critical solution for the oil and gas industry's growing focus on sustainability and environmental responsibility. By separating valuable fluids from drilling waste, these systems allow companies to reduce their environmental footprint and reclaim resources that would otherwise be lost.

## TRUSTED BY INDUSTRY LEADERS:

PSI's reputation as a trusted provider of fluid handling equipment in the oil and gas sector is a direct result of its long-standing partnerships with some of the largest and most well-known companies in the industry. Over the years, the company has worked closely with clients such as SLB, Halliburton, and Nabors Drilling, all of whom depend on PSI's expertise and reliable products to ensure their operations run smoothly.

In the Middle East, PSI has formed key relationships with regional leaders like Arabian Drilling and Egyptian Drilling, providing them with high-performance fluid-handling solutions that meet the unique challenges of the region's oilfields. Additionally, PSI's collaboration with NHPS (Saudi Arabia Distributor) and DNOW (UAE Distributor) has expanded the company's reach, allowing it to deliver its products and services to a broader network of clients across the Gulf region.

In the North American and Latin American

**PSI** Process Solutions International The global leader in fluid handling equipment!  

### MAKDADDY 3" SUPER MAK Self-Priming Pump

**Key benefits:**  
Fresh Water - Sea Water - Drilling Mud  
Delivers improved performance, better longevity, and cost savings compared to other centrifugal pumps.  
Parts are completely interchangeable with other pumps currently on the market.  
Open vane impellers designed to reduce turbulence, eliminate recirculation, lower radial and thrust load while providing a smoother flow of fluid throughout the pump.  
Recessed impeller for reduced shearing in comparison to a 250 series pump.  
Guaranteed performance from a global company.

**SIZE - SPECIFICATIONS - OPTIONS**

**Features:**  
Pump series: 3" SUPER MAK  
Pump sizes: 3" x 3" (76 mm x 76 mm) NPT - Female  
Casing: Gray Iron 30 Max Operating Pressure 86 psi (593 kPa)  
Semi-Open Type, Two Vane Impeller: 3" x 3" (76 mm x 76 mm) NPT - Female  
Impeller Shaft: Alloy Steel  
Shaft Sleeve: Alloy Steel  
Replaceable Wear Plate: Carbon Steel  
Removable Adjustable Cover Plate: Gray Iron 30  
Flap Valve: Neoprene w/Nylon and Steel Reinforcing  
Radial and Thrust Bearings: Open Single Row Ball / Double Row Ball

**PSI** CORPORATE OFFICE 281-893-4774 psimax2000.com

## Process Solutions International Makdaddy Self-Priming Pumps

**PSI** Process Solutions International Over 30 years of oilfield experience!  

**PUMPS**

- BARE SHAFT PUMPS**
  - Pump series: 118 & 250
  - Pump sizes: 3" x 2" x 13 to 8" x 6" x 14
  - Fully open impeller
- CLOSED COUPLING PUMPS**
  - Inline or space saver
  - Diesel or electric
  - Starters available
- SUPER MAK SELF-PRIMING PUMPS**
  - 3" and 4" options available
  - Interchangeable parts
  - Open vane impellers

**PUMP PARTS** Same-day shipping on parts!

- IMPELLER
- SUPREME HARD IMPELLER
- CASING KIT
- POWER END ASSEMBLIES
- MECHANICAL SEAL
- BEARING SEAL
- GLAND
- SHAFT SLEEVE
- STUFFING BOX
- PUMP BEARINGS

**AGITATORS**

- Low profile or Severe duty drop bearing
- Current designs to 75 hp
- Starters available

**AGITATOR PARTS**

- IMPELLER
- CTX AGITATOR CLAMP

**PSI** PROCESS SOLUTIONS INTERNATIONAL 7519 Prairie Oak Drive Houston, TX 77086 281-893-4774 psimax2000.com *Exclusive lines of PSI* **MAX2000** **MAKDADDY** **MAK**

## Process Solutions International Pumps & Agitators Parts

markets, PSI remains a preferred supplier for drilling contractors, energy producers, and rig builders, including Drillmec, a global leader in rig construction. PSI's equipment is trusted by companies operating in some of the most remote and demanding locations, where reliability and durability are critical to success.

#### COMMITMENT TO QUALITY AND INNOVATION:

PSI's success is driven by its commitment to delivering high-quality products that meet the stringent demands of the oil and gas industry. Each piece of equipment is meticulously engineered to ensure optimal performance, even in the most extreme conditions. By partnering with reputable manufacturers and using only the highest quality materials, PSI guarantees that its products can withstand the rigors of the field.

One of the hallmarks of PSI's approach is its dedication to continuous improvement and innovation. The company's team of engineers and technicians works tirelessly to stay at the cutting edge of fluid handling technology. By incorporating the latest advancements in engineering, materials science, and manufacturing processes, PSI is able to offer products that provide enhanced efficiency, longer operational life, and lower maintenance costs.

For instance, PSI's MAX2000® pumps are equipped with industry-leading features such as double-seal pin joints and modular designs, which allow for easy customization and maintenance. This ensures that clients receive equipment that is not only reliable but also adaptable to the specific needs of their operations.

#### GLOBAL REACH AND REGIONAL EXPERTISE:

While PSI's headquarters are located in Houston, Texas, the company has established a truly global footprint, with operations spanning five continents. Its regional expertise in North America, Latin America, and the Middle East enables PSI to offer localized support and solutions to its clients, ensuring that they have access to the equipment and services they need, no matter where they operate.

In Latin America, PSI has become a trusted partner for energy companies operating in the region's complex and often remote oilfields. By offering customized fluid handling solutions that address the specific challenges of these locations, PSI helps its clients maintain efficiency and productivity in even the most demanding environments.

The Middle East has also been a key focus for PSI, with the region's booming energy sector driving demand for advanced fluid handling technology. PSI's partnerships with DNOW and NHPS have enabled the company to supply its products to a wide range of clients in the Gulf, while its work with Arabian Drilling and Egyptian Drilling has further cemented its position as a leading provider of fluid handling solutions in the region.

#### LOOKING TOWARD THE FUTURE:

As the global oil and gas industry continues to evolve, PSI is committed to staying ahead of the

curve by investing in new technologies and expanding its product offerings. The company's forward-thinking APPROACH AND DEDICATION TO SUSTAINABILITY are reflected in its ongoing efforts to reduce environmental impact through innovative waste reclamation and fluid management systems.

PSI's leadership team believes that the future of the industry lies in the development of more efficient, cost-effective, and environmentally responsible solutions. To that end, the company is exploring new ways to improve its equipment and processes, ensuring that it remains at the forefront of the fluid handling sector.

#### ABOUT PROCESS SOLUTIONS INTERNATIONAL

Process Solutions International (PSI) is a leading provider of fluid handling equipment and waste reclamation systems for the global oil and gas industry. Since 1991, the company has been delivering high-quality solutions that enhance efficiency, productivity, and profitability for clients around the world. With operations spanning North America, Latin America, and the Middle East, PSI serves some of the industry's largest energy producers, including SLB, Halliburton, Nabors Drilling, and Arabian Drilling. For more information, visit [www.psimax2000.com](http://www.psimax2000.com).

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