

# Pan World Magnetic Drive Pumps

The Ultimate Sealless Solution for Safe, Efficient Fluid Transfer

Introduction: Why Choose Pan World?



For over **30 years**, **Pan World** (a flagship brand of **Pan World Co., Ltd., Japan**) has led the world in **magnetic drive pump technology**—delivering **zero-leak, sealless performance** in the most demanding chemical, pharmaceutical, and industrial applications.

With **ISO 9001 & CE certification**, **100% leak-proof design**, and **corrosion-resistant materials**, Pan World pumps are the **gold standard** for handling **aggressive, toxic, or high-purity fluids**—where **safety, reliability, and uptime** are non-negotiable.

At **Pump Down Solutions LLP**, we bring you **Pan World’s full range**—from compact lab pumps to high-flow industrial models—**ready to transform your process**.

<b>Feature</b>	<b>Pan World Edge</b>	<b>Your Gain</b>
<b>100% Sealless Design</b>	No mechanical seals or packing	<b>Zero leakage</b> of hazardous fluids
<b>Magnetic Coupling</b>	Power transferred via rare-earth magnets	<b>Safe, maintenance-free operation</b>
<b>Run-Dry Protection (Select Models)</b>	Advanced bearing materials	<b>Prevents damage during upset conditions</b>
<b>High-Efficiency Impeller</b>	Precision-molded, balanced	<b>Up to 30% energy savings</b>

## **Engineered for Extreme Conditions**

Pan World pumps are built to thrive where others fail:

### **Materials That Last**

- **ETFE (Teflon® equivalent)** – Best-in-class chemical resistance
- **PP (Polypropylene)** – Cost-effective for mild corrosives

- **PVDF (Kynar®)** – High-temp, ultra-pure applications
- **316L Stainless Steel** – For food, pharma, and sanitary use

### Temperature & Pressure Ratings

Model Series	Max Temp	Max Pressure	Ideal For
<b>PX Series</b>	80°C	3 bar	Lab, plating, water treatment
<b>NH Series</b>	90°C	5 bar	Chemical transfer, scrubbers
<b>MX-F Series</b>	105°C	8 bar	High-temp acids, solvents
<b>SH Series (SS)</b>	120°C	10 bar	Pharma, food, CIP systems

### Applications: Where Pan World Shines

#### Chemical Processing

Transfer **acids (HCl, H<sub>2</sub>SO<sub>4</sub>), alkalis, solvents, and plating solutions** with **absolute containment**.

#### Pharmaceutical & Biotech

**USP Class VI-compliant models** for **WFI, buffers, and API transfer**—sterile, Sealless, and traceable.

#### Electronics & Semiconductor

Ultra-pure pumping of **DI water, etchants, and CMP slurries**—no metallic contamination.

#### Water Treatment

**Ozone, chlorine, and sodium hypochlorite** dosing with **corrosion-proof reliability**.

#### Food & Dairy

**316L stainless models** for **juices, syrups, and CIP chemicals**—FDA & 3A compliant.

### Star Models: Power Meets Precision

Model	Flow (LPM)	Head (m)	Best For
<b>PX-30</b>	30	5	Lab, small recirculation
<b>NH-100PX</b>	100	12	Chemical dosing, scrubbers
<b>MX-150F</b>	250	20	High-flow acid transfer
<b>SH-400SS</b>	400	25	Food, pharma, large systems

**All models available in 1-phase or 3-phase, 50/60 Hz—plug-and-play worldwide.**

**Why Pump Down Solutions LLP + Pan World = Your Perfect Partner**

- **Authorized Pan World Distributor** in India
- **Largest inventory – PX, NH, MX, SH series in stock**
- **Same-day dispatch** on standard models
- **Free pump sizing & selection support**
- **On-site installation & commissioning**
- **Genuine spares & 12-month warranty**