MEKANIK EQUIPO SISTEM PVT. LTD.

Engg Equipment & Systems

YOUR TRUSTED SOURCE OF

PUMPS, VALVES & SPARES

OUR MOTTO
CUSTOMER FIRST

About Us

MESPL is reliable, efficient and transparent pump company that offer its customer wide choice of positive displacement pump systems and customized solutions. We are committed to excellence in customer satisfaction with our range of solutions and customer support.

In MESPL, we combine our technical knowledge, application expertise and product experience to help our customers find optimum solution for given parameters and budget. We let our customers take informed decision by supporting them with requisite information about potential pumping solutions.

MESPL not only help customer chose the right pumping solution but also ensure that it is installed as per requirement and maintain the pump for its life time. MESPL emphasis on long term business relations.

MESPL offers vast range of pumping solutions for different industries.
Our range of Food/Hygienic Pumps are:

Hygienic Progressive Cavity Pump:

The most versatile pump with multiple variation to address easy and challenging applications e.g. from butter milk to butter. Products with almost all viscosities are being handled by PC Pumps. PC Pumps are good value for money solutions.

Technical:

Special design with CIP option is available

Pressure: up to 24 bar
Capacity: up to 200 m3/hr
Speed: up to 500 rpm
Viscosity: up to 1 million cst.

Standard Hygienic PC Pump:

- Different food connections are possible.
- Option of pump with and without CIP Port.
- Fixed base plate and trolley mounted options

Hopper Hygienic PC Pump:

- Wide hopper inlet as standard and different food connections in discharge.
- Fixed base plate and trolley mounted options

Barrel PC Pump

- Standard vertical design for minimum opening size of 58 mm.
- Special design available with hoist arrangement.

Hygienic Twin Screw Pump

EHEDG and 3A compliant design available.

Pressure: up to 16 bar **Capacity**: up to 180 m3/hr

Speed: up to 3000 rpm **Viscosity**: up to 1 million cst.

2 in 1 Pump principle:
With wide range of speed possibility, product pumping and CIP is achieved with only 1 pump.

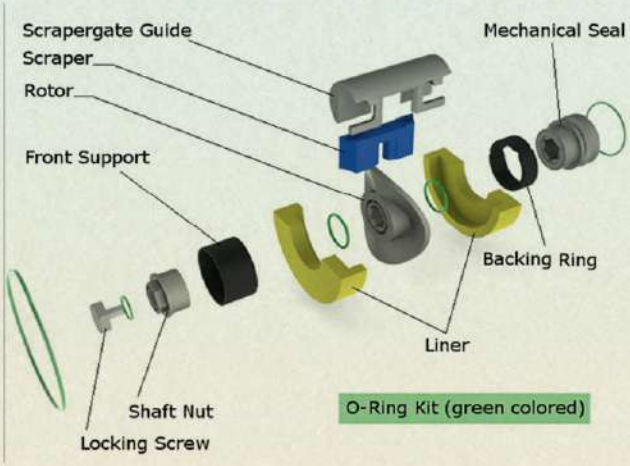
Very low NPSHR:
Can suction down to 0.1 bar (absolute) hence good against vacuum conditions.

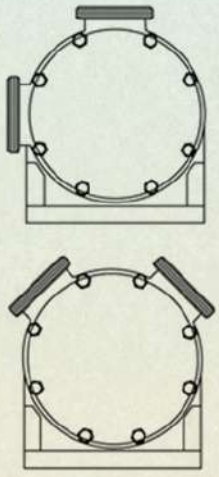
Low shear:
Very low internal velocity of product inside pump result in gentle handling of product.

All contact parts in metal –
Temperature & other process limitations due to chemicals are very few.

Compact design and almost maintenance free:
Screw moves inside in casing without being in contact resulting in virtually no wear.

Sine Wave Pump





Technical:

Pressure: up to 12 bar **Capacity**: up to 80 m3/hr

Speed: up to 1000 rpm **Viscosity**: up to 1 million cst.

Virtually Pulsation Free:
Continuous passage of fluids through sine wave cavities lead to gentle pumping.

Maintenance Friendly with Low Maintenance:
Maintenance can be done in place, got 1 shaft seal and Rotor is not among main wear parts resulting in low maintenance cost.

Low NPSHR: Can lift water from 30 feet thus excel in vacuum condition at pump inlet.

Gentle Solids handling: Sinusoidal profile of Rotor ensure that solids are passed out without damage to their shape.

Energy Efficient: No gears, single seal and unique design results in low power consumption.

Cleaning in Place: Unique pump design ensure CIP is faster and efficient especially with self-draining orientation of ports.

Hygienic CF Pump

- Sanitary design
- 1 HP to 3 HP in single phase/ 3 phase option

Stainless Steel AODD Pump

Air Operated hence can be installed in Ex zones for flammable chemicals too.
Size up to 3 inch and flow up to 900 LPM.

Accessories:
We do supply accessories e.g. filters, valves, fittings etc.
as per sanitary designs.

MESPL Promise

- **Will help customers take informed decision**
- **Will offer best value for money**
- **Will offer best possible technical support/ guidance.**
- **Willingness to offer customized solutions as per customer requirement.**

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