

# Specifications FSP-Series

## FEATURES

1. Utilization of submersible pump with non-clogging impeller and a venturi type inductor provides for constant scum intake.
2. Double inside mechanical seals with silicon carbide faces, running in an oil filled chamber and further protected by a lip seal, provides for the most durable seal design available.
3. Highly efficient, continuous duty, air filled, copper wound motor with insulation class E minimizes the cost of operation.
4. Built in thermal and amperage sensing protector prevents motor failure due to overloading, single phasing or accidental run-dry conditions.
5. Double shielded, permanently lubricated, high temperature C3 ball bearings rated for a B-10 life of 60.000 hours provide for extended operational life.
6. Adjustable floats allow for exact adjustment of suction bell depth.
7. Light weight portable design
8. Floating design with flexible discharge hose allows the unit to rise and fall with the liquid level

## APPLICATIONS

1. Collection and return of loading scum in sewage treatment plants.
2. Collection of suspended solids on water surface.
3. Collection of supernatant liquid near water surface.



## SPECIFICATIONS

|                                 |  |
|---------------------------------|--|
| Discharge Size.....             | 50mm   |
| Power output range.....         | 0,4kW - 0,75kW   |
| Performance range.....          | 0,09m <sup>3</sup> /min - 0,25m <sup>3</sup> /min<br>0,5m - 2,5m   |
| Maximum water temperature...    | 40°C   |
| Materials of construction       |  |
| Float.....                      | Plastic  |
| Impeller.....                   | Grey iron casting  |
| Casing.....                     | Grey iron casting  |
| Motor Frame.....                | Grey iron casting  |
| Shaft.....                      | Stainless steel SUS403 (EN-X6Cr13)                                 |
| Fasteners.....                  | Stainless steel SUS304 (EN-X5CrNi18-10)                            |
| Elastomers.....                 | NBR (Nitril Buna Rubber)   |
| Mechanical Seal                 |  |
| Primary Seal.....               | Silicon carbide on silicon carbide                                 |
| Secondary Seal.....             | Ceramic on carbon  |
| Impeller Type.....              | non-clogging   |
| Solids handling capability..... | 16mm - 22mm  |
| Bearings.....                   | Pre-lubricated, double shielded ball bearings                      |
| Motor.....                      | Air filled, 2850 rpm,<br>400V, 50Hz, 3-phase<br>Insulation class E |