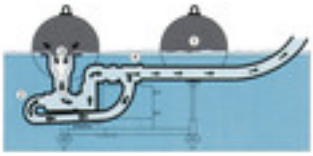
TSURUMI PUMP

# FSP

3-phase
50Hz

Scum skimmer

A bypass attached to the discharge opening recycles part of pumped water to the intake to generate a jet flow. An ejector effect produced by the jet flow, generates suction power in the collection cup (Intake). This guarantees a stable sucking process even if water, air, and suspended matter are drawn in from water surface simultaneously.



## Virtues

A set of three floats connected by a frame carries the pump. Simple adjustment of the float rods ensures a stable position of the pump inlet cone in relation to the surface of the liquid, in spite of the liquid levels changing (1). A powerful jet injector helps the pump suck up water, air, or scum at a constang rate (2). These pumps efficiently collect more scum and less supernatant liquid than conventional equivalents (3). Use of a flexible hose simplifies installation (4).

## Application

- Collection and return of floating scum at sewage treatment plants
- Collection of suspended solids on water surface
- Collection of supernatant liquid near water surface

## Specifications:

| Model | Bore mm | Power output kW | Phases | r.p.m. | Head max. m | Capacity max. l/min | Starting method | Dry weight kg without cable | Impeller passage mm |
|---|---|---|---|---|---|---|---|---|---|
| 4-FSP | 50 | 0,4 | 3 | 2850 | 4,9 | 180 | direct | 36,0 | 16 |
| 8-FSP | 50 | 0,75 | 3 | 2850 | 5,3 | 255 | direct | 38,0 | 22 |

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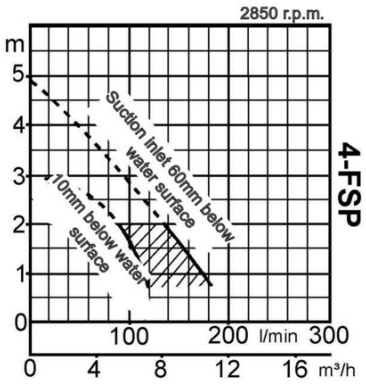
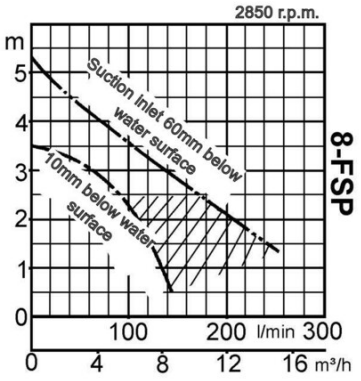
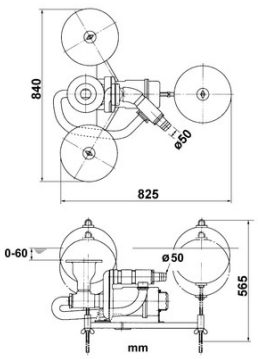
|---|---|---|---|
| ø Discharge bore mm | | | 50mm |
| Pumping Fluid | Temperature | | 0-40°C |
| | Type of Fluid | | Treated sewage |
| Pump | Compo-nents | Impeller | Non-clog impeller |
| | | Shaft Seal | Double mechanical seal |
| | | Bearings | Shielded ball bearings |
| | Material | Impeller | Grey iron casting EN-GJL-200 |
| | | Upper casing | Grey iron casting EN-GJL-200 |
| | | Lower casing | Grey iron casting EN-GJL-200 |
| | | Shaft Seal | Silicon carbide in oil bath |
| | | Float | Plastic |
| Motor | Type, Poles | | Induction motor, 2 poles, IP68 |
| | Lubrication | | Turbine oil (ISO VG32) |
| | Motor Protector (built-in) | | Circle thermal cut-out |
| | Insulation | | Insulation class E |
| | Phase / Voltage | | 3-phase / 400V / 50Hz / d.o.l. |
| | Material | Casing | Grey iron casting EN-GJL-150 |
| | | Shaft | Stainless steel EN-X6Cr13 |
| | | Cable | Rubber, NSSHÖU |
| Discharge Connection | | | Hose coupling |






Please mind: discharge bend, duck foot bend and stand set are accessories and must be ordered separately

TSURUMI PUMP

## Contributing to World-wide Prosperity and Understanding through Worker- and Environment-friendly Production.

Designed for increased productivity through fully integrated streamlined production systems, Tsurumi ´s factory in Kyoto (Japan) features a production capacity of a full 1 million pumps per year. Large-scale modern R&D facilities offer optimum conditions for experimenting and testing of even super-large pumps and for developing new products to expand the possibilites and applications of pumps. To provide optimum conditions for our main asset, our workers, as well as for the environment, special emphasis is placed on optimized working conditions with airconditioning, minimized dust and exhaust gas emission, comprehensive recycling and waste recovery.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