



Flygt F3171 Industrial

DESIGNED FOR PROCESSING INDUSTRIAL FISH WASTE & MANURE

Not all wastewater is created equal. And not every pump can rise to the occasion of complicated wastewater challenges – like processing fish waste, silage or liquid manure. That's where Flygt F3171 comes in. It's a pump that enables key industrial activities to continue without being derailed by wastewater issues. With special features like the cooling jacket, optional cutting knife and an upgraded design, it's reliable and has an increased lifespan even in the harshest of conditions.

F3171 is a consolidation of two similar products from Flygt that have been successful in the market, which have sold more than 10k units in the past seven years in the manure and fish waste handling industries.

Applications

Flygt F3171 is specifically designed to handle wastewater that contains high levels of dry, solid content and long, fibrous materials, such as stringy fabric, feathers and fish residue, in the following applications: waste product from fishing industry, poultry industry, food waste, heavy and light manure, biogas production and paper industry.



How Does it Work?

What differentiates Flygt F3171 from other products is its shaft protection and hydraulic components, the efficient combination of the S-shaped impeller, pump housing cover with back vane pattern and the inlet suction cover. An optional cutting knife is also offered, which is mainly used in the fishing industry.

To further increase reliability, F3171 also includes Flygt's closed-loop cooling system, which allows the pump to operate for extended cycles and also ensures the coolant is never contaminated. The product also features clutch coupling to prevent the pump shaft from becoming damaged in the case of serious clogging.

Flygt F3171 is offered in the following installations:

P (semipermanent), S (portable semipermanent) and X (optional installation).

Rated power 3-Phased

| | 50 hz (Kw) | 60Hz (Hp) |
|----------------|--------------|-----------|
| 4 Poles | 7.5 | 15 |
| 4 Poles | 9 | 20 |
| 4 Poles | 13.5 | |
| 6 Poles | 8.8 | 14.1 |

Additional options include:

- Sensors: Thermistor, FLS, Pt100, Mechanical seal, O-rings
- Aqua cutting knife
- Surface treatment (Epoxy)
- Closed-loop cooling
- Zinc anodes



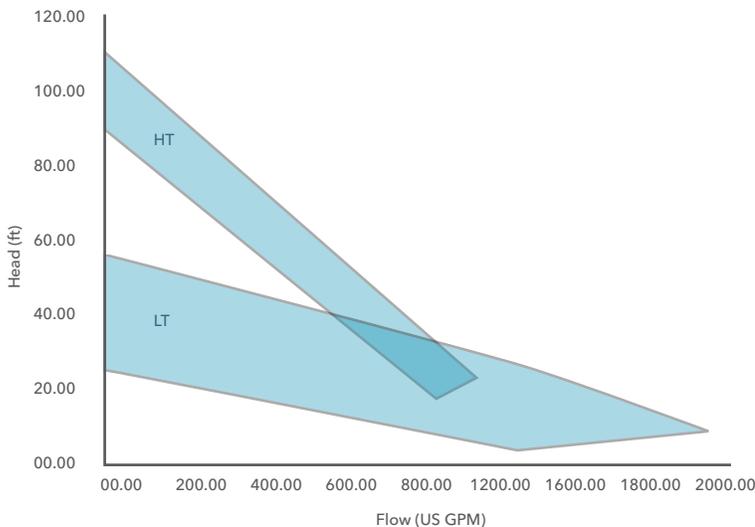
Application Limits

| | |
|-------------------------|--------------------------------|
| Liquid temperature | Maximum 40° C (104° F) |
| Depth of immersion | Maximum 20 m (65 ft) |
| pH of the pumped liquid | 5.5 - 14 |
| Liquid density | Maximum 1100 kg/m ³ |

Materials

| | |
|-----------------|----------------------|
| Major castings | Cast iron, gray |
| Pump housing | Cast iron, gray |
| Impeller | Cast iron, nodular |
| Suction cover | Cast iron, hard-iron |
| Shaft | Stainless steel |
| Screws and nuts | Stainless steel, A4 |

F3171.360 60Hz



F3171.360 50Hz

