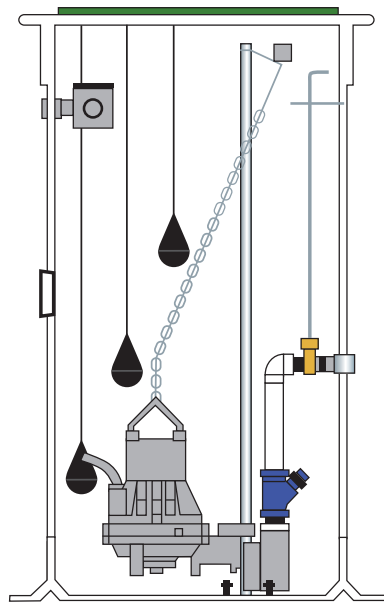




ITT

WATER & WASTEWATER

Flygt Pressure Sewer Packaged Pump Station for Residential Applications



Flygt Pressure Sewer System Grinder Pump Models MP3068 & MP3085 are ideal for reliably pumping residential waste water in an energy efficient and cost effective manner.

BENEFITS

Flygt residential grinder pumps are constructed of high grade cast iron with robust features. Volutes (wet ends), incorporate replaceable hardened cutting rings at the inlet. Flygt grinder pumps have an impeller unit designed specially for handling the rigors of pressurized sewage systems. With components of chromium-alloy and stainless steel, a cutting devise grinds up particles until they measure no more than $1/3" \times 5/8"$, thus eliminating the risk of clogging and enabling the fine slurry to be pumped through the system's small diameter pipes.

The Flygt turnkey package pump station is equipped with the MP3068 or MP3085 grinder pump, 2 HP, 1 or 3 phase, 230 volts, with control panel, liquid level control, basin assembly, lift-out rail assembly; internal piping, gate and ball check valves. Together these components make up the Flygt product concept for pressurized sewage systems, a combination that is not only cost-effective but also highly energy efficient.

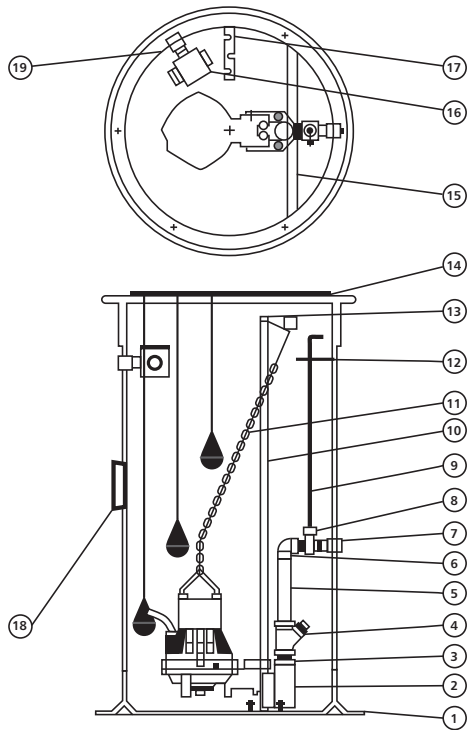


*Flygt Grinder Pump
Models MP3068 and MP3085*

KEY PUMP SPECIFICATIONS

- Lifting bail:** Large lifting handle with precise geometry for secure and safe handling (316L SS – ASTM A320-1982)
- Cable entry:** Designed with separate sealing and strain relief functions to reduce the risk of damage
- Power cable:** Heavy duty abrasion resistant chloroprene jacketed
- Junction chamber:** Completely sealed off from the motor, cable/voltage
 - Motor:** Squirrel cage, air-filled, induction motors, designed and manufactured by ITT Water & Wastewater specifically for use in Flygt Submersible Pumps. The stator insulation system is Class H (rated 354 F, 180 C) and is capable of up to 15 starts per hour. The stator is heat shrink fitted to prevent rotation and to ensure perfect alignment with the rotor.
- Mechanical Shaft Seals:** Two sets of mechanical shaft seals work independently for double security against water intrusion. The seals are balanced. When external pressure increases the surface pressure on the seal ring also increases.

The Flygt Pressure Sewer System Package - from the people who invented submersible pumps



Flygt Pressure Sewer System Package Detail

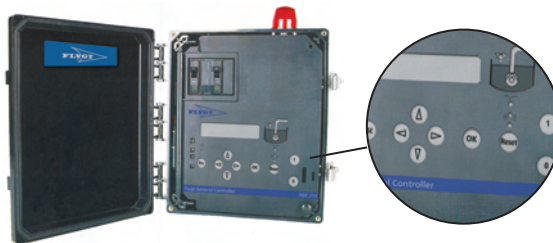
Item	Description
1	A 30x72 FWBAF, STUD PLATE, WHITE RESIN
1	B 30x84 FWBAF, STUD PLATE, WHITE RESIN
1	C 30x96 FWBAF, STUD PLATE, WHITE RESIN
2	2" NPT FLYGT BASE ELBOW
3	2"x1 1/4" SCH80 PVC REDUCER BUSHING
4	1 1/4" NPT CAST IRON BALL CHECK VALVE
5	1 1/4" SCH80 PVC PIPE, VARIOUS LENGTHS W/THREADS
6	1 1/4" SCH80 PVC 90DEG EL
7	1 1/4" NPT SS COUPLING FLANGE
8	1 1/4" NPT BRASS GATE VALVE
9	SS EXTENSION HANDLE
10	3/4" SS304 PIPE (GUIDE RAILS)
11	3/16" 304SS CHAIN
12	SS EXTENSION HANDLE SUPPORT
13	SS GUIDE RAIL BRACKET
14	GREEN FIBERGLASS COVER
15	1"x1"x1/8" 304SS ANGLE GUIDE BRACKET SUPPORT
16	4"x4"x4 1/2" NEMA 4X/12/13 PVC JUNCTION BOX
17	SS FLOAT BRACKET
18	4" PVC SLIP-FIT INLET HUB
19	1 1/4" ABS CONDUIT FLANGE

FLYGT PRESSURE SEWER SYSTEM CONTROLS



Flygt LTU301

Pneumatic pressure sensor with open bell. This measuring probe is connected by an air tube to a pressure sensor, which generates an analog signal that is transmitted to a Flygt FGC or similar pump controller.



Flygt FGC 211

Controllers providing comprehensive functionality, flexible sensor handling and critical operational data such as:

- Level Information
- Alarm Log
- Pump Current
- Running Hours
- Number of Starts



Flygt Liquid Level Sensor

Enjoy control at its simplest. Freely suspend this mechanical switch in its plastic casing at the desired height with its cable. When the casing tilts, the mechanical switch will close or break (open) the circuit. This starts or stops a pump or activates an alarm device.

CCPB77 3/2009

To find ITT Water & Wastewater products near you please visit: www.us.ittwww.com



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