**Installation**

The Upgrade is engineered to fit into virtually any other grinder pump wet well. Universal design allows easy drop-in changeover.

**Features and Benefits**

- The 1 ¼-inch slide face discharge connection can be adapted to any existing discharge piping without changing piping on the outside of the basin.
- Grinder is designed to eliminate jamming and for minimum wear to grinder mechanism.
- The Upgrade’s self-contained level control system eliminates troublesome float switches. E/One’s pressure switch level control system is the most effective in the industry.
- The internal check valve assembly is designed for non-clog, trouble-free operation.

**Operational Information**

**MOTOR**

1 hp, 1,725 rpm, high torque, capacitor start, thermally protected 240 volt, 60 Hz, 1 phase; 120 volt motors are also available

**ALARM PANEL**

For new installations, a NEMA 4X, UL-listed or CSA-approved alarm panel includes power and signal circuit breakers, audible and visual alarms, push-to-silence button, push-to-run button, and terminal strips. For centrifugal replacements, an Upgrade power board is available that consists of DIN RAIL mountable components designed to be installed inside the existing panel.

**DISCHARGE**

15 gpm at 0 psig / 11 gpm at 40 psig / 9 gpm at 60 psig / 8 gpm at 80 psig

*If you’re tired of constant service calls resulting from grease-fouled floats, jammed grinders, burned-out motors, and other grinder pump problems, it’s time to call E/One.*

When you’re having too many problems with your system’s centrifugal grinder pumps, it can wear you down. And wear out your budgets. Those inferior grinder pumps aren’t worth fixing. And fixing. And fixing. The solution is to upgrade. To Environment One’s Upgrade, the aftermarket grinder pump that works and goes on working without any preventive maintenance. It’s the original grinder pump design, the one others have tried to copy but they just haven’t gotten it right. We have it down to a science. A simple science – design a pump for the application. So replace that troublesome pump. With E/One’s Upgrade.
Why is the E/One Upgrade Better?

10 REASONS TO SWITCH TO THE E/ONE UPGRADE

Our Upgrade

1. Semi-positive displacement pump – provides virtually the same flow regardless of pressure. Scouring velocities are maintained without stressing the pump.
2. Non-jamming grinder – low-speed, high-torque, with large-diameter inlet.
3. Non-contact, non-fouling pressure switch level controls. Proven reliable and maintenance-free.
5. Built-in check valve and anti-siphon valve.
6. Longest mean time between service calls – 10 years.
7. Lowest operation and maintenance costs.
8. All pump, level and motor controls in one compact assembly, making service simple and convenient.

Their Grinder Pumps

1. Centrifugal pumps – flows vary dramatically, causing high flows and dangerously short run times to no flow and continuous operation. The result: burned-out motors.
2. Jamming common – high-speed, low-torque, with small-diameter inlet.
3. Float switches – require preventive maintenance to remove grease and oil. Constant source of problems. Mercury float switches difficult to dispose of are an environmental issue.
4. Oil-filled motor requires periodic oil changes.
5. No anti-siphon valve.
6. Constant service calls.
7. Routine preventive maintenance and service calls.
8. Separate pump, level and motor controls, making troubleshooting and repairs more difficult and time consuming.
9. Widely varying flow, reduced as pressure increases, allowing build-up of solids in pipe. Solids build-up causes increased pressure and reduced flow, compounding the problem.

The E/One Upgrade is the reliable, cost-efficient solution to your grinder pump problems.
Why is the E/One Upgrade Better?

10 REASONS TO SWITCH TO THE E/ONE UPGRADE

Our Upgrade

1. Semi-positive displacement pump – provides virtually the same flow regardless of pressure. Scouring velocities are maintained without stressing the pump.
2. Non-jamming grinder – low-speed, high-torque, with large-diameter inlet.
3. Non-contact, non-fouling pressure switch level controls. Proven reliable and maintenance-free.
5. Built-in check valve and anti-siphon valve.
6. Lowest mean time between service calls – 10 years.
7. Lowest operation and maintenance costs.
8. All pump, level and motor controls in one compact assembly, making service simple and convenient.

Their Grinder Pumps

1. Centrifugal pumps – flows vary dramatically, causing high flows and dangerously short run times to no flow and continuous operation. The result: burned-out motors.
2. Jamming common – high-speed, low-torque, with small-diameter inlet.
3. Float switches – require preventive maintenance to remove grease and oil. Constant source of problems. Mercury float switches difficult to dispose of are an environmental issue.
4. Oil-filled motor requires periodic oil changes.
5. No anti-siphon valve.
6. Constant service calls.
7. Routine preventive maintenance and service calls.
8. Separate pump, level and motor controls, making troubleshooting and repairs more difficult and time consuming.
9. Widely varying flow, reduced as pressure increases, allowing build-up of solids in pipe. Solids build-up causes increased pressure and reduced flow, compounding the problem.

Have you taken control of the maintenance problems with your centrifugal grinder pumps?

But at what cost?

MAINTAINING A WASTEWATER COLLECTION SYSTEM IS BUSY ENOUGH when the equipment is working properly. Additional stress and strain on resources from unreliable centrifugal design doesn’t work. They create an ever-changing system curve. They use a small grinder. They use high-speed, low-torque motors. They use floats. And when the design doesn’t work, the system doesn’t work. The result? Ongoing maintenance headaches and high costs. And unreliable performance.

Fortunately, there is a simple solution. A reliable solution. From Environment One, the company that’s been making the industry’s most reliable pump for more than 40 years. With more than one million end users daily, E/One is the leader in grinder pump technology.

So if you’re dealing with nuisance pumps that are maintenance-intensive and costly to fix, replace them with the Upgrade, the pump with the lowest operation and maintenance costs and the longest mean time between service calls – 10 years.

The Upgrade is engineered to fit virtually any other grinder pump well. Its universal design allows ready to connect, easy drop-in changeover. So don’t put up with one more maintenance disaster from your centrifugal pump. Call E/One today and start making your life easier and your system costs lower.

The E/One Upgrade is the reliable, cost-efficient solution to your grinder pump problems.
**Installation**

The Upgrade is engineered to fit into virtually any other grinder pump wet well. Universal design allows easy drop-in changeover.

**Features and Benefits**

- The 1 ¼-inch slide face discharge connection can be adapted to any existing discharge piping without changing piping on the outside of the basin.
- Grinder is designed to eliminate jamming and for minimum wear to grinder mechanism.
- The Upgrade’s self-contained level control system eliminates troublesome float switches. E/One’s pressure switch level control system is the most effective in the industry.
- The internal check valve assembly is designed for non-clog, trouble-free operation.

**Operational Information**

**MOTOR**

1 hp, 1,725 rpm, high torque, capacitor start, thermally protected 240 volt, 60 Hz, 1 phase; 120 volt motors are also available.

**ALARM PANEL**

For new installations, a NEMA 4X, UL-listed or CSA-approved alarm panel includes power and signal circuit breakers, audible and visual alarms, push-to-silence button, push-to-run button, and terminal strips. For centrifugal replacements, an Upgrade power board is available that consists of DIN RAIL mountable components designed to be installed inside the existing panel.

**DISCHARGE**

15 gpm at 0 psig / 11 gpm at 40 psig / 9 gpm at 60 psig / 8 gpm at 80 psig

---

**If you’re tired of constant service calls resulting from grease-fouled floats, jammed grinders, burned-out motors, and other grinder pump problems, it’s time to call E/One.**

When you’re having too many problems with your system’s centrifugal grinder pumps, it can wear you down. And wear out your budgets. Those inferior grinder pumps aren’t worth fixing. And fixing. And fixing. The solution is to upgrade. To Environment One’s Upgrade, the aftermarket grinder pump that works and goes on working without any preventive maintenance. It’s the original grinder pump design, the one others have tried to copy but they just haven’t gotten it right. We have it down to a science. A simple science – design a pump for the application. So replace that troublesome pump. **With E/One’s Upgrade.**