About Jet Inc.

Jet’s Mission Statement: To be the #1 worldwide provider of advanced onsite wastewater treatment systems known for the quality of our systems, customer service, and business integrity.

Founded in 1955, Jet strives to be the leader in onsite wastewater technology. For over 50 years, Jet has provided a superior product to its distributors and customers.

At Jet, we strive to continually update and produce new top-quality products that will allow our distributors to design, install and service the best products in the industry.
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Jet’s BAT® (Biologically Accelerated Treatment) Process is remarkably efficient. The compact BAT® Treatment Plant has three compartments.

1. Pretreatment: This compartment receives and holds wastewater until solid matter settles to the bottom sludge layer. Organic solids are then broken down physically and biologically. Grit and other untreatable materials are retained here while the partially broken-down, finely divided solids are passed to the Treatment Compartment.

2. Treatment: In this compartment, known as a bioreactor, the majority of the processing is done. Wastewater is thoroughly mixed with the biomass microorganisms that live inside the submerged Jet BAT® Media. The Jet 700++ Aerator, the heart of the system, injects fresh air into the bioreactor, providing the oxygen and mixing required for our exclusive JET BAT® PROCESS. The BAT® Media creates the ideal environment for the biomass while the 700++ Aerator keeps the microorganisms alive and working by injecting and mixing the oxygen that aerobic bacteria require. The biomass of microorganisms digests the wastewater, converting it to odorless, colorless liquids and gases.

3. Settling: The treated wastewater then flows into this compartment where fine particles fall to the bottom. These particles are returned to the Treatment Compartment along the sloping end wall for further “digestion”. All that remains in the Settling Compartment is a clear, odorless, highly treated liquid effluent that can be safely discharged through the baffled outlet.

Unlike old fashioned septic tanks, a Jet residential plant does not merely hold wastewater. It can treat 500 to 1,500 gallons of wastewater per day. A Jet plant operates up to five times longer between pumping than a septic tank. The consistent quality of a Jet plant’s final effluent — a clear, clean, odorless mixture — can eliminate any need for leach fields. Also, the JET BAT® PROCESS handles 100% shock loads, meaning that surges in flow caused by weekend guests, parties, multiple baths, laundry, and automatic dishwashers do not affect treatment performance.
Add up all the Jet Residential BAT® Media Plant benefits:

History
• Jet has been delivering dependable home wastewater treatment since 1955
• For over 50 years, Jet has led the way with innovative value, design, and service

Size & Performance
• Ideal for smaller-scale buildings
• Easily handles laundry, dishwashers, multiple baths, garbage disposals, and other wastewater that a septic tank cannot manage
• Jet's three compartment tank is pre-cast concrete
• All Residential tanks can be cast from one mold
• Exclusive control panel automatically and efficiently manages treatment

Value
• Eliminates the need for an outdated septic tank and all the problems it causes, including odors and sludge
• Highly treated effluent can eliminate the need for leach fields and substance filters
• No owner maintenance required (provided a service contract is in place)

It's Guaranteed
• No other manufacturer can match Jet's quality, reliability, and dependable long-life: it's guaranteed
• Jet's warranty and repair service policy is the best in the industry - each Jet 700++ Aerator carries a limited 30-month warranty. After that, a LIFETIME Factory Exchange Program takes effect immediately after the limited warranty expires
• Like all Jet products, our Residential Plant is sold and supported by our team of factory-trained, licensed local distributors
• Your local distributor provides an inspection/service policy for the first two years of operation which is included in the purchase of all new Residential Plant Systems installed, and an extended service agreement is made available thereafter

Multiple Designs to Meet Your Specific Needs

• The Jet model J-500CF Nutrient Reduction System utilizes intermittent aeration and additional filtration to reduce total nitrogen in treated effluent. The Jet Model J-500CF has been tested to both NSF Standard 40 and 245 for reduction of suspended solids, BOD, and total nitrogen. The Jet Model J-500CF incorporates all of the same reliable design features of standard Jet systems including the 700++ aerator, attached pretreatment tank, and patented Jet BAT® Media process.
• The Jet P Series BAT media plants have been equipped with an attached pump tanks to reduce installation time. P series tanks are available with 500, 750, or 800 gallon pump tanks to meet a wide variety of onsite installation needs.
• The Jet Re-Aeration BAT media systems are designed with an attached re-aeration device to meet specific criteria for dissolved oxygen requirements for use in sensitive environments.
• The Jet model J-500 BAT media system has also been tested with active recirculation to meet additional requirements for nutrient removal and improved solids and BOD reduction.
The Heart of the Jet Residential Plant System

The flood resistant Jet 700++ Aerator supplies the oxygen and the mixing that supports Jet’s exclusive treatment process, converting the wastewater into colorless, odorless liquids and gases.

The aerator works in tandem with the BAT® Media to provide complete biological processing.

Item             Part Number
700++ Aerator    700++

Voltage: 115 V single-phase
Cycle: 60 Hz
Horse Power: 1/3 HP
Amps: 4.1
RPM: 1725
CFM: 1.8 - 2.5
660 Classic Aerator

Our Original Time Tested, Field Proven Residential Aeration Units

Jet Inc. is proud to announce the release of the Jet Classic aerator. Manufactured using the time tested design features of historical Jet aerators, the Classic aerator is a robust unit with oil lubricated seals, premium bearings, and a powerful 1/3 HP motor that generates 3450 rpm for outstanding oxygen transfer rates. Jet’s confidence in the durability of the Classic aerator is affirmed by an industry leading 40 month limited warranty and coverage under Jet’s Lifetime Aerator Exchange Program.

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<th>Item</th>
<th>Part Number</th>
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<tr>
<td>660 Classic Aerator</td>
<td>660</td>
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</table>

Voltage: 115 V single-phase
Cycle: 60 Hz
Horse Power: 1/3 HP
Amps: 5.2
RPM: 3450
CFM: 1.8 - 2.5
Only our residential wastewater treatment plants employ the remarkably efficient JET BAT® Process (Biologically Accelerated Treatment).

Inside the center Treatment Compartment of every Jet residential plant system is an exclusive, patented Jet BAT® Media, which provides the ideal environment for nature’s own bacteria to thrive and grow. Here, wastewater is thoroughly mixed with the biomass microorganisms that live inside the submerged Jet BAT® Media.

This compartment is referred to as the “bioreactor.” The Jet 700++ Aerator, the heart of the entire system, injects fresh air into the bioreactor, providing the oxygen and mixing required for the exclusive Jet BAT® Process. The biomass of microorganisms digests the wastewater, converting it to odorless, colorless liquids and gases.

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<th>Item</th>
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<td>Set C</td>
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</tr>
<tr>
<td>Set D</td>
<td>336</td>
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</table>

See Page 46 for Media Cleaning Tool (Part #327)

Jet Plant Media Kit Configurations

- **500 GPD Tank**
  - 1 Set A

- **600 or 750 GPD Tank**
  - 1 Set B

- **1,000 GPD Tank**
  - 1 Set A
  - 1 Set C

- **1,250 GPD Tank**
  - 1 Set B
  - 1 Set C

- **1,500 GPD Tank**
  - 1 Set B
  - 1 Set D
Residential Control Panels - Basic

The control panel is the automated command center for the Jet Residential Wastewater treatment system. Jet 700++ Aerators can be supplied with a pre-wired electrical control panel to monitor aerator operation, as well as the function of the pumps, spray systems, pressure distribution systems, and other auxiliary equipment.

Jet offers a complete line of control panel models in different sizes and with a variety of options to meet local requirements anywhere in the world. Once you select the appropriate control panel for installation, it is mounted in an easy-to-access area of the building. Its components and wiring are protected within a lockable, corrosion resistant, ultraviolet-stabilized thermoplastic enclosure with removable flanges.

Control Panels 180 -194

### Standard Features
- Control Switch
- Optional Timer*
- Optional Warning Light
- Terminal Strip
- Aerator Warning Light
- Circuit Breaker
- Audible Alerts

<table>
<thead>
<tr>
<th>Model #</th>
<th>Part #</th>
<th>Standard Features</th>
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<td>180</td>
<td>Timer, Visual Alert, Control Switch</td>
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<td>186</td>
<td>Timer, Visual Alert, Control Switch, Test Switch</td>
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<td></td>
<td>187</td>
<td>Timer, Visual Alert, Control Switch, Test Switch, Audible Alert</td>
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<td></td>
<td>188</td>
<td>Visual Alert, Control Switch</td>
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<tr>
<td></td>
<td>189</td>
<td>Visual Alert, Control Switch, 2nd Visual Alert</td>
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<td></td>
<td>191</td>
<td>Visual Alert, Control Switch, Audible Alert, Current Sensor</td>
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<td></td>
<td>192</td>
<td>Visual Alert, Control Switch, Audible Alert, 2nd Visual Alert, Current Sensor</td>
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<td></td>
<td>193</td>
<td>Visual Alert, Control Switch, Audible Alert, 2nd Visual Alert, 2nd Audible Alert, Current Sensor</td>
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<tr>
<td></td>
<td>194</td>
<td>Visual Alert, Control Switch, Audible Alert, Test Switch, Current Sensor</td>
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</tbody>
</table>

* NSF models require both aerator warning lights and audible alarms; timer option not available on NSF models.
The Jet model 195 and 196 pre-wired electrical control panels are designed to monitor the operation of the aerator, as well as the function of the pumps, spray systems, and pressure distribution systems. Every model 195 and 196 control panel features an aerator warning light, circuit breaker, control switch, audible alert, alarm test switch, and terminal strip for easy wiring. These standard features provide cost-effective system operations when combined with optional equipment for each specific installation.

### Model # Standard Features

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<tr>
<th>Model #</th>
<th>Standard Features</th>
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<td>Circuit Breaker</td>
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<td>196</td>
<td>Alarm Test Switch</td>
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<td></td>
<td>Aerator Warning Light</td>
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<td></td>
<td>High Water Warning Light</td>
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<td></td>
<td>Circuit Breaker</td>
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<td>Control Switch</td>
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<td></td>
<td>Audible Alert</td>
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<tr>
<td></td>
<td>Pump Circuit Breaker</td>
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<td></td>
<td>Alarm Test Switch</td>
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<td>Pump Interlock</td>
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<td>B</td>
<td>Controls for Second Aerator</td>
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<tr>
<td>C</td>
<td>Aerator Timer (Per Aerator)</td>
</tr>
<tr>
<td>D</td>
<td>24 Hour Pump Timer</td>
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<tr>
<td>E</td>
<td>Pump Timer Over-ride</td>
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<tr>
<td>F</td>
<td>Disinfection Alarm (N/O)</td>
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<td>G</td>
<td>Current Sensor **</td>
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<td>H</td>
<td>High Temperature Breaker</td>
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<td>J</td>
<td>Pump Cycle Timer</td>
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<td>Disinfection Alarm (N/C)</td>
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<td>Secondary Pump Circuit</td>
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<td>R</td>
<td>Pump Timer 2 Package</td>
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<td>S</td>
<td>Redundant Off Pump Float</td>
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<td>Single Float Pump Control</td>
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<td>Auto Dialer Package</td>
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<tr>
<td>V</td>
<td>Pump Timer Override Float</td>
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</table>

* - Timer option not available on NSF models.
** - Current Sensor only available on model 196 control panels

Also try our new econoline spray system control panels, designed for cost effective demand and timed dosing spray systems with integrated Jet system controls and high water alarm circuits.

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<th>Item</th>
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<td>Aerator, High Water, 24 HR Pump Timer</td>
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<tr>
<td>1950002</td>
<td>Aerator, High Water, 24 HR Pump Timer, Timer Override</td>
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<tr>
<td>1950003</td>
<td>Aerator, High Water, Demand Dose</td>
</tr>
<tr>
<td>1950004</td>
<td>Aerator, High Water, Demand Dose, Dual Alarm Beacon</td>
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Residential Control Panels - Model 197 Hybrid Control Panel

The Jet Incorporated model 197 control panel monitors and controls the operation of Jet system aerators and additional components. The panel can be configured to control single or dual aeration systems. A single aerator system controls the operation of one aerator. A dual aerator system can control two aerators, or one aerator and one re-aeration compressor.

In addition to the aerator control circuits, the control panel also contains the following circuits or features:

- Three auxiliary output circuits
- Three auxiliary input circuits with normally open or normally closed selection
- One power indicator LED, and four additional error indicator LED’s
- An alarm buzzer with an output for an additional external audible alarm
- A 9-position DIP switch for selection of configuration options
- User accessible reset switch and circuit board master reset switch
- Alarm mode Auto-Dialer power and control interface
- RS232 interface circuit
- Circuit board mounted power switch and fuse

<table>
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<td>Model 197 Control Panel</td>
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<tr>
<td>Auto Dialer Package for 197</td>
<td>197D</td>
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</table>

Control Panel Features

A. Master Reset Button
B. Internal Horn
C. On/Off Switch
D. External Reset Button
E. Pump Power Supply Contacts
F. Alarm and Aerator Power Supply Contacts
G. Ground Buss
H. Central Alarm Beacon
I. DIP Switch Array
J. Auxiliary Alarm Settings (NC/NO)
K. Indicator Light Array
L. Auxiliary Alarm Contacts
M. Auxiliary Alarm Contacts
**Jet 112 Control Panel**
Single-phase, simplex motor contactor control

The Model 112 control panel provides a reliable means of controlling one 120, 208, or 240 VAC single-phase pump in irrigation systems, pump chambers, sump pump basins, and lift stations. Two control switches activate a magnetic motor contactor to turn the pump on and off. If an alarm condition occurs, an additional switch activates the audible/visual alarm systems.

**Jet 122 Control Panel**
Single-phase, duplex alternating pump control with override

The Model 122 control panel is designed to alternately control two 120, 208, or 240 VAC single-phase pumps in water and sewage installations. The alternating action equalizes pump wear. In addition to the alternating pump control, this system provides override control should either pump fail. If necessary, an alarm switch activates the audible/visual alarm system.

**Jet TD Control Panel**
Single-phase, simplex timed dosing pump control

The model TD control panel provides a reliable means of controlling one single-phase pump in onsite septic installations. A programmable timer activates a magnetic motor contactor to turn the pump on and off. A low level cutout float overrides the timer to prevent the pump from running dry. An alarm float activates the audio/visual alarm system indicating a high liquid level.

**Jet DTD Control Panel**
Single-phase, duplex timed dosing pump control

The model DTD control panel provides a reliable means of controlling two single phase pumps in onsite septic installations. A programmable timer, in conjunction with an alternating circuit board, alternately activates a magnetic contactor to turn the pumps on and off and to equalize pump wear. A low level cutout float overrides the timer to prevent the pump from running dry. An alarm float activates the audible/visual alarm system indicating a high liquid level.
Jet provides several options for all your wastewater disinfection needs.

• The UV Disinfection Lamp can reduce fecal coliform bacteria levels well below the most stringent U.S. treatment standards.

• The Jet Disinfection System is a self-contained, chlorine dispensing system designed specifically for the disinfection of effluent from home wastewater treatment facilities. Easily installed directly in the ground on the discharge line, this tablet feeder uses no electricity and has no moving parts. Chemical dosage is automatically adjusted in proportion to the flow.

A complete Installation and Operation Manual containing detailed instructions is supplied with each Jet Disinfection System. This comprehensive manual contains detailed step-by-step instructions for easy set up, operation, and maintenance.

The advantages to owning a Home Tablet Feeder:

• Low Initial Cost - No need for complicated and expensive pumps, mixing tanks, control devices, electrical wiring, or piping. The feeder is a simple, non-mechanical, gravity-operated device.
• Low Operating Costs - Uses long lasting, efficient JET-CHLOR® or CHLOR-AWAY® Tablets and does not require electrical power.
• Warranty - Carries a limited, 10-year warranty against defective materials and workmanship.
• Efficient - Chemical dosage is automatically varied in proportion to the flow: higher flows expose more tablets to the effluent; lower flows expose fewer tablets.
• Automatic (Operates Unattended) - Tablet Feeder’s unique design ensures automatic mixing and chemical transfer 24 hours a day after initial adjustments. It can operate for long periods between restocking. For example, some home tablet feeders can operate six months or more without restocking.
• Years and Years of Repair Free Life - Tablet feeder’s simple, non-mechanical design has no moving parts to wear. Constructed of tough corrosion-proof plastics, feed tubes and caps will not melt in the sun because they are protected by an enclosure with ultra-violet inhibitors.
• Separate Enclosures NOT Required - The self-contained and totally enclosed tablet feeder does not require a separate manhole, service box, or casing when it is buried. Unique design prevents dirt and water from entering and makes the tubes easy to remove. For deep installation, optional risers used to extend the tablet feeder to grade level are available.
• Long Lasting Tablets - Efficient, slow dissolving chemical tablets do not “wick” and contain no dangerous gases, liquids or powders.
As the treated wastewater flows through the tablet feeder, it makes contact with the chlorine tablets, which gradually dissolve and slowly release even, controlled amounts of active chlorine into the wastewater. If the flow rate increases, the liquid level in the tablet feeder rises and more tablets are immersed. If the flow rate decreases, the liquid level drops and exposes fewer tablets to the effluent.

The rate of chlorination and the chlorine residual can be adjusted. After adjustment, they remain constant and in proportion to the flow. If needed, adjustments can be made by varying the number of feed tubes that are filled.

The Model 100 is capable of disinfecting flows up to 1,500 gallons per day (gpd). Has a 4” diameter inlet and outlet; lockable cover; risers are available.

The Model 108 is capable of disinfecting flows up to 10,000 gallons per day (gpd). Contains a 4” diameter inlet and a slot weir outlet; lockable cover; risers are available. The maximum flow rate is 35 gallons per minute (gpm).

- Mounting - Model 100 is designed for direct burial. The Model 108 is equipped with a mounting base for easy installation in a chlorine contact chamber.
- Materials - Each is constructed with chemical and ultraviolet resistant high density polyethylene
- Feed Tubes - Two removable PVC tubes (34 tablets each)
- Risers (Optional) - For expanding tablet feeder to grade on deep installations
- Lockable Cover - Prevents unauthorized access
- Limited Warranty - Every tablet feeder carries a 10-year, limited warranty against defective materials and workmanship

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**Item**
- Model 100 Chlorinator: 100
- Model 100 Feed Tube: 1000025
- Model 108 Chlorinator: 108
- Model 108 Feed Tube: 1080084
- Chlorinator Riser: 106
- Tube Cap: 1000058
- Tube Screen: 9990268

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*The leader in onsite wastewater*
UV Disinfection Lamp

UV Disinfection Lamp Assembly 9520034
Replacement UV lamp 9990115
UV Control Panel Assembly 9520038

Specifically designed to disinfect the effluent from small aerobic treatment plants, the Ultraviolet Disinfection Unit can reduce fecal coliform bacteria levels to well below the most stringent U.S. treatment standards, even when the upstream treatment plant is operating in a mild upset condition. Designed to disinfect residential wastewater, UV disinfection units are safe and harmless. There are no adverse effects from overexposing the effluent to germicidal ultraviolet light because UV disinfection does not form by-products.

The disinfection chamber couples directly to the aerobic plant 4” discharge pipe and is permanently installed below grade. When fully inserted, the sub-assembly is properly positioned by pins mounted near the top of the disinfection chamber. This well-defined flow path gives the proper fluid exposure time.

The light source is mounted in the center of an anodized aluminum frame that divides the disinfection chamber in half. The frame seals against the inner surface of the disinfection chamber and prevents flow by-pass. To control the lamp’s surface temperature, the ultraviolet light is surrounded by a clear fused quartz tube. When the disinfection chamber is filled with water, the ultraviolet light can operate continuously, whether or not water is flowing. Continuous operation within a lamp surface temperature range of 105-120° F provides optimum ultraviolet light output and long lamp life.

The disinfection sub-assembly, which extends approximately one foot above grade, is watertight. This protects the electrical connections against a fluid backup that could cause the wastewater effluent level to rise to the maximum height of the upstream treatment plant.

The UV system operates on 120vAC and consumes less than 5 Watts. A green LED indicator on the junction box confirms the operating status of the UV system.

Maximum flow through the unit is rated at 3 gallons per minute (gpm), or 4,320 gallons per day (gpd), with the following effluent conditions:

Suspended Solids < 30 mg/liter - 5-day BOD < 30 mg/liter

Under the above conditions, fecal coliform reduction exceeds 3-logs, or 99.9%, at the end of the UV lamp life (one year of continuous operation).

Fecal coliform counts in the home aerobic treatment effluent typically range from 800 - 20,000 colony-forming units (CFU) per 100ml. CFUs measure viable fungal and bacterial cells.
JET-CHLOR® Tablets provide fast, complete bacteria killing power and inhibit bacteria regrowth at the same time. They are convenient, efficient and dependable for disinfection of wastewater. Each easy-to-handle tablet is formulated from pure calcium hypochlorite and contains at least 70% available chlorine. These solid 5 oz. tablets are less hazardous to use than other forms of chlorine since there is no exposure to dangerous gases, liquids, or powders.

JET-CHLOR® Tablets dissolve slowly, evenly, and completely. They will not “wick” or dissolve prematurely.

Jet developed JET-CHLOR® Tablets especially for the feeders used in our Jet Disinfection Systems. However, they can be used in other tablet feeders that accept 2 5/8” tablets.

JET-CHLOR® Tablet Benefits:
• Fast and complete bacteria killing power
• Less hazardous to use than many other forms of chlorine
• Less chemical required
• Economical to use because they dissolve slowly, evenly, and completely
• High available chlorine - 70% per tablet
• Can be used in Jet Tablet Feeders as well as other tablet feeders
• Controlled release of chlorine every time
• Positive disinfection is assured

JET-CHLOR® in 10 lb and 100 lb must ship via freight carrier.
JET-CHLOR® in 25 lb and 45 lb can ship via ground transportation (plus a HAZMAT Spec Carton charge per item).
JET-CHLOR® requires special packaging and labeling for international export, please contact our customer service department for information regarding international shipments of JET-CHLOR®
Laboratory tested and performance proved, the CHLOR-AWAY® Dechlorination System uses a compact, lightweight Jet Tablet Feeder (see page 14) and long-lasting sodium-sulfite tablets to remove chlorine in proportion to the flow of treated wastewater. It is the most practical chlorine removal system available. Use the CHLOR-AWAY® System to remove residual chlorine from wastewater, cooling tower blow down, boiler water, and process water when chlorine or oxidizers are undesirable. In addition to unsurpassed efficiency and effectiveness, the CHLOR-AWAY® System provides all of these benefits:

• Highly concentrated blend of Sodium Sulfite - Jet’s specially formulated tablets provide a carefully balanced blend of sodium sulfite in tablet form.
• Long Lasting Tablets - Efficient, slow dissolving chlorine removal tablets help meet NPDES permit requirements.
• CHLOR-AWAY® Tablets Fit Other Feeders - Jet’s 2 5/8” diameter tablets are designed for Jet Tablet Feeders, but can also be used in other tablet feeders.
• Safe - There are no dangerous gases, liquids, or powders to handle or store.
• Every CHLOR-AWAY® System is backed by over 55 years of wastewater treatment experience. We’ve invested all of this knowledge into the innovation, development, performance testing, and manufacturing of the best dechlorination system available - CHLOR-AWAY®.

Exclusive, specially formulated CHLOR-AWAY® Tablets provide unsurpassed dechlorination convenience, efficiency, and dependability.

CHLOR-AWAY® does not require HAZMAT shipping charges.
A Powerful Wastewater Treatment Weapon

BIO JET-7® breaks down and digests grease, fats, soap, scum, and other colloidal and dissolves organic materials in both anaerobic and aerobic wastewater treatment systems. In addition to dramatic improvements in oxidizing organic compounds, it promises major cost savings to users.

BIO JET-7® keeps household systems operating properly for only pennies a day. The cost is even lower for larger systems. Field performance has shown that plant operating cost savings are greater than the material cost for regular BIO JET-7® treatments.

BIO JET-7® provides even more benefits including:

Lower operating costs - By improving the oxidation of fats, oils, grease, and detergents, BIO JET-7® can reduce the required aeration capacity. It can also reduce your need to use chemical settling aids (polymers), save defoamer expenses, cut down on routine maintenance, and lower your overall labor costs.

No dangerous chemicals to worry about - BIO JET-7® is non-toxic and will not damage equipment or harm the environment.

An end to noxious odors - Because it can reestablish and enhance normal biological activity in wastewater treatment systems, BIO JET-7® stops organic odors and prevents them from reoccurring, as long as the maintenance program is followed.

Lower effluent BOD and SS - Laboratory tests prove that BIO JET-7® can reestablish and enhance biological activity and improve the reduction of BOD (biological oxygen demand), COD (chemical oxygen demand) and SS (suspended solids) in final effluent. Up to 80% more organic materials have been removed in some systems through BIO JET-7® treatments.

Quick recovery from shock loading - BIO JET-7® helps the system maintain stability and provides a base for rapid recovery from shock loading.

Reduced hydrogen sulfide generation in gravity flow systems - Lab tests and field performance analysis have shown that BIO JET-7® reduces hydrogen sulfide in gravity systems. Less hydrogen sulfide means an end to hydrogen sulfide odors along with minimum line and tank corrosion in gravity systems.

Prevents Sewage Backup - By enhancing biological activity in sewers, drain lines, treatment plants, septic tanks, and disposal fields and beds, BIO JET-7® eliminates the threat of sewage backup and reduces sludge deposits. Because of BIO JET-7’s composition, any clogging mat in leaching fields and beds is soon digested. Efficient drainage can be restored, eliminating the need to replace the field or bed.

*Our improved formula is not temperature sensitive and can be shipped any time of the year.
### BIO JET® Plus Series

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO JET-7® Plus 1 Gallon Container</td>
<td>155</td>
</tr>
<tr>
<td>BIO JET-7® Plus Case (6 - 1 Gallon Containers)</td>
<td>157</td>
</tr>
<tr>
<td>BIO JET-7® Plus Dry Packs - 2 oz (Container of 12)</td>
<td>158</td>
</tr>
<tr>
<td>BIO JET-7® Ammonia Away 1 Gallon Container</td>
<td>159</td>
</tr>
<tr>
<td>BIO JET-7® Ammonia Away Case (6 - 1 Gallon Containers)</td>
<td>160</td>
</tr>
<tr>
<td>BIO JET-7® Sludge Away 1 Gallon Container</td>
<td>161</td>
</tr>
<tr>
<td>BIO JET-7® Sludge Away Case (6 - 1 Gallon Containers)</td>
<td>162</td>
</tr>
<tr>
<td>BIO JET-7® pH Fix Up 1 Gallon Container</td>
<td>163</td>
</tr>
<tr>
<td>BIO JET-7® pH Fix Up Case (4 - 1 Gallon Containers)</td>
<td>164</td>
</tr>
</tbody>
</table>

#### BIO JET-7® Plus

BIO JET-7® Plus is most useful in difficult start-ups and when a system becomes unstable due to changes in flow, chemicals or increased organics. It can also be used when the system fails to meet the requirements for discharge permits. The very high population count counteracts many difficult treatment issues. BIO JET-7® Plus improves and stabilizes the efficiency of all wastewater processes. It will improve environmental compliance and improve odors due to system overloads. It is also useful for other wastewater processes such as septic systems, or water applications such as ponds.

#### BIO JET-7® Plus Dry Packs

BIO-JET-7® Plus Dry Packs give the same great performance as BIO JET-7® Plus in an easy to use dry pack application, simply flush the quick dissolving packet. These convenient dry packs are created with the homeowner in mind. It provides proactive preventative maintenance for both aerobic treatment and convention septic systems. BIO JET-7® Plus Dry Packs are packaged in a yearly supply of 12 packets in a convenient, recyclable plastic container.

#### BIO JET-7® Ammonia Away

BIO JET-7® Ammonia Away is a liquid microbial blend of nitrifying microorganisms designed to reduce ammonia in the effluent of wastewater plants. This product can quickly achieve and maintain nitrification. BIO JET-7® Ammonia Away seeds wastewater systems with the two types of nitrifying bacteria necessary for ammonia conversion.

#### BIO JET-7® Sludge Away

BIO JET-7® Sludge Away rapidly and naturally improves digestion of slowly degrading organic matter and sludge. When used with BIO JET-7® Plus, you can achieve optimal solids and sludge reduction.

#### BIO JET-7® pH Fix Up

The wastewater treatment process is most efficient in stable and slightly alkaline water. BIO JET-7® pH Fix Up safely raises pH to a range of 7.6 - 8.3 while increasing buffer capacity for an optimal biological process.
### Geoflow Drip Line PC and Classic

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drip Line 16mm - 500 ft. coils - 1/2 gph</td>
<td></td>
</tr>
<tr>
<td>- 24” spacing</td>
<td>9500001</td>
</tr>
<tr>
<td>- 18” spacing (Special Order)</td>
<td>9500002</td>
</tr>
<tr>
<td>- 12” spacing (Special Order)</td>
<td>9500003</td>
</tr>
<tr>
<td>- 6” spacing (Special Order)</td>
<td>9500004</td>
</tr>
<tr>
<td>Drip Line 16mm - 500 ft. coils - 1 gph</td>
<td></td>
</tr>
<tr>
<td>- 24” spacing</td>
<td>9500005</td>
</tr>
<tr>
<td>- 18” spacing (Special Order)</td>
<td>9500006</td>
</tr>
<tr>
<td>- 12” spacing (Special Order)</td>
<td>9500007</td>
</tr>
<tr>
<td>- 6” spacing (Special Order)</td>
<td>9500008</td>
</tr>
</tbody>
</table>

**WASTEFLOW PC Specification**

The drip line consists of nominal sized, 1/2” linear low density polyethylene tubing, with turbulent flow, drip emitters bonded to the inside wall. The drip emitter flow passage is 0.032” x 0.045” square. The tubing has an outside diameter (O.D.) of approximately .64” and an inside diameter (I.D.) of approximately .55”.

The tubing consists of three layers: the inside layer has a bactericide protection, the middle layer is black, and the outside layer has a purple stripe for easy identification. The drip line emitters are regularly spaced 24”, 18”, or 12” apart. The pressure compensating emitters are molded from virgin polyethylene resin with a silicone rubber diaphragm. The pressure compensating emitters have nominal discharge rates of 0.53 gph (gallons per hour). The emitter is impregnated with Treflan® to inhibit root intrusion for 10 years and is guaranteed by the manufacturer to inhibit root intrusion for this period.

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drip Line 16mm - 500 ft. coils - 1.3 gph - 24” spacing</td>
<td>9500037</td>
</tr>
</tbody>
</table>

**WASTEFLOW Classic 1.3 GPH Specification**

The drip line consists of nominal sized 1/2” linear low density polyethylene tubing, with turbulent flow drip emitters bonded to the inside wall. The drip emitter flow passage is 0.053” x 0.053” square. The tubing has an outside diameter (O.D.) of approximately .64” and an inside diameter (I.D.) of approximately .55”.
Jet Manual and Automatic Flush Headworks

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manual Flush Headworks with 1.5” Filter in 24” Polylok Riser</td>
<td>9550000</td>
</tr>
<tr>
<td>Automatic Flush Headworks with 1.5” Filter in 24” Polylok Riser</td>
<td>9550001</td>
</tr>
<tr>
<td>Digital Flow Meter Assembly for use with 9550000 or 9550001</td>
<td>9550002</td>
</tr>
</tbody>
</table>

The Jet Drip Irrigation Headworks packages are designed as a direct mount device on an effluent pump tank that will filter effluent discharge while controlling pressure to the drip field. The Jet Headworks package contains a 1.5 inch vortex screen filter and pre-installed pressure gauges to monitor pressure drop across the filter component and regulate pressure to the drip field. Designed for use with the Jet IFS drip control panel with our four float pump tree, the Jet Auto-Flush Headworks mounts directly onto an existing 24” Plastic riser adapter for easy access to the pump, float tree, integrated vortex filter, and field pressure controls.
The SJE Rhombus IFS Drip Irrigation Control Panel boasts a full array of features along with clearly marked controls. Mounted on the inner door, a touch pad featuring LED display lights lets you see the status of the irrigation pump at a glance. Whether it is a 120 volt or 230 volt single-phase pump, the IFS panel provides easy access to programming and monitoring your irrigation system. UL/cUL listed.

Panel Components
• 12” X 10” X 6” NEMA 4X enclosure
• Controls 24 or 120 VAC solenoid valves (spin, flush)
• Touch pad display features LED indicator lights for: pump run, rest time, float status, cycles, separate control and alarm fuses with power indicators, replacement indicator for alarm fuse, HAND/OFF/AUTO pump control, count, program, flush valve, spin valve, advance and pause buttons.
Vortex Filter

The filters are placed between the pump and drip field to screen out debris.

Body - Two-piece threaded housing with O-ring seal. Molded from high heat ABS and chemical resistant glass reinforced plastic.

Screen - Sintered stainless steel. Sintering is a process in which three pieces of stainless steel mesh are transformed into one: a perforated plate, 30m, and then 150 mesh. Screen collars are molded from vinyl for long life and durability.

Spin Plate and drain - Directional spin plate is molded of PVC or fiberglass.

Vortex Spin Action - Incoming water is forced through a directional nozzle plate onto the inside of the stainless steel screen. A centrifugal motion starts inside the screen chamber, throwing organic and inorganic particles outward against the screen. Gravity moves the debris down the screen wall to the 3/4” flush outlet at the base of the Vortex Filter.

To stay clean, two criteria must be met:
1. Flow into the filter must be within the specified range to produce a 5 to 8 psi pressure differential across the filter.
2. The filter flush valve must be partially to fully open allowing debris to flush away.

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vortex Filter 3/4” MPT Filter, 150 mesh, 4-11 gpm</td>
<td>9500019</td>
</tr>
<tr>
<td>Vortex Filter 1” MPT Filter (long body) 150 Mesh, 7-28 gpm</td>
<td>9500020</td>
</tr>
<tr>
<td>Screen Replacement 3/4”</td>
<td>9500021</td>
</tr>
<tr>
<td>Screen Replacement 1”</td>
<td>9500022</td>
</tr>
<tr>
<td>Spinplate Replacement 3/4”</td>
<td>9500023</td>
</tr>
<tr>
<td>Spinplate Replacement 1”</td>
<td>9500024</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ITEM NUMBER</th>
<th>SIZE (MIPT)</th>
<th>FLOW (GPM)</th>
<th>MAX. PRESSURE</th>
<th>WIDTH (thread to thread)</th>
<th>HEIGHT (with flush port)</th>
<th>SIZE OF FLUSH PORT</th>
<th>AREA OF FILTRATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP4E-75</td>
<td>3/4”</td>
<td>04 - 11</td>
<td>80 psi</td>
<td>6.0”</td>
<td>12.0”</td>
<td>3/4” MPT</td>
<td>23.4 sq. inches</td>
</tr>
<tr>
<td>AP4E-100</td>
<td>1.0”</td>
<td>07 - 28</td>
<td>80 psi</td>
<td>6.5”</td>
<td>13.0”</td>
<td>3/4” MPT</td>
<td>28.4 sq. inches</td>
</tr>
<tr>
<td>AP4E-150-3</td>
<td>1.5”</td>
<td>34 - 42</td>
<td>100 psi</td>
<td>12.0”</td>
<td>15.5”</td>
<td>3/4” MPT</td>
<td>60.8 sq. inches</td>
</tr>
<tr>
<td>AP4E-150-4</td>
<td>1.5”</td>
<td>45 - 55</td>
<td>100 psi</td>
<td>12.0”</td>
<td>15.5”</td>
<td>3/4” MPT</td>
<td>60.8 sq. inches</td>
</tr>
<tr>
<td>AP4E-200-3</td>
<td>2.0”</td>
<td>68 - 84</td>
<td>80 psi</td>
<td>12.0”</td>
<td>16.0”</td>
<td>3/4” MPT</td>
<td>60.8 sq. inches</td>
</tr>
<tr>
<td>AP4E-200-4</td>
<td>2.0”</td>
<td>90 - 110</td>
<td>80 psi</td>
<td>12.0”</td>
<td>16.0”</td>
<td>3/4” MPT</td>
<td>60.8 sq. inches</td>
</tr>
</tbody>
</table>
BioDisc™ Filters

**Description**
The BioDisc™ filters are placed between the pump and drip field to trap debris and prevent it from entering the drip system.

**Features**
BioDisc™ Filters are protected with an anti-bacterial coating. Designed for applications with high organics, GeoShield® is molded into each disc to discourage unwanted growth on the filter.

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>BioDisc™ - 1.5F</td>
<td>9500038</td>
</tr>
<tr>
<td>BioDisc™ - 2F</td>
<td>9500039</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part #</th>
<th>Inlet/Outlet Diameter</th>
<th>Max Flow Rate Per Filter</th>
<th>Max Pressure PSI</th>
<th>Max Temp (°F)</th>
<th>Length</th>
<th>Filtration Surface Area</th>
<th>Filtration Size</th>
<th>Weight lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>BioDisc™ 1.5&quot; F</td>
<td>1.5&quot;</td>
<td>30 gpm</td>
<td>145 psi 335 ft.</td>
<td>140</td>
<td>12&quot;</td>
<td>72.7 sq. in.</td>
<td>120 mesh 130 micron</td>
<td>3.3</td>
</tr>
<tr>
<td>BioDisc™ 2&quot; F</td>
<td>2&quot;</td>
<td>60 gpm</td>
<td>145 psi 335 ft.</td>
<td>140</td>
<td>20&quot;</td>
<td>156.9 sq. in.</td>
<td>120 mesh 130 micron</td>
<td>13.2</td>
</tr>
</tbody>
</table>
Air Vents & Vent Covers

Air Vacuum Breakers are installed at the high points of the drip field to keep soil from being sucked into the drip emitters due to siphoning or back pressure. Air vents are required with underground drip systems. They are also used for proper draining of the supply and return manifolds in freezing conditions. Use one on the high end of the supply manifold and one at the high point of the flush manifold as well as on any other high points in the system.

- Instant and continuous vacuum relief
- Non-continuous air relief
- Seals tight at 5 psi
- Durable, weather resistant
- Readily accessible pressure test point
- Easy to install
- Removable dirt cover
- Maximum flow of 50 gpm

Air Vacuum Specification

The air vacuum relief valve provides instant and continuous vacuum relief and non-continuous air relief. Both the body and the removable dirt cover are molded plastic. The body and the dirt cover are connected with a 3/4” hose thread. The ball is low density plastic and the internal seat is vinyl. The air vacuum relief valve seals at 5 psi. Inlet size is a 1” male pipe thread.

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Vent 1” NPT + shrader (seals from 5-110 psi)</td>
<td>9500025</td>
</tr>
<tr>
<td>Box, air vent 6”</td>
<td>9500026</td>
</tr>
<tr>
<td>Valve inline fits 1/2” wasteflow drip line</td>
<td>9500027</td>
</tr>
</tbody>
</table>
Pressure Regulators

Item               Part Number
High Flow Regulator 20 psi   9500063

Several models are available, call for spec sheet.

The regulators are preset to control pressure in the field. These are required with Wasteflow Classic Drip line and are optional with Pressure Compensating Drip line. Under normal operating conditions, the pressure in the drip line should be 10 - 45 psi.

Solenoid Valves

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>SVLV - 1&quot;</td>
<td>9500065</td>
</tr>
<tr>
<td>SVLV - 1.5&quot;</td>
<td>9500066</td>
</tr>
</tbody>
</table>

Solenoid valves are used to flush drip fields and filters and as zone valves. The solenoid valve is electronically operated and normally closed. If the valve is open and there is a power failure, it will close.
# Pressure Gauge

**Item**
Pressure -1/4” NPT lower mount

**Part Number**
9500028

---

# True Union Check Valve

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>True Union Check Valve PVC/Viton - 1/2”</td>
<td>9500029</td>
</tr>
<tr>
<td>True Union Check Valve PVC/Viton - 3/4”</td>
<td>9500030</td>
</tr>
<tr>
<td>True Union Check Valve PVC/Viton - 1”</td>
<td>9500031</td>
</tr>
<tr>
<td>True Union Check Valve PVC/Viton - 1 1/4”</td>
<td>9500032</td>
</tr>
<tr>
<td>True Union Check Valve PVC/Viton - 1 1/2”</td>
<td>9500033</td>
</tr>
<tr>
<td>True Union Check Valve PVC/Viton - 2”</td>
<td>9500034</td>
</tr>
<tr>
<td>True Union Check Valve PVC/Viton - 3”</td>
<td>9500035</td>
</tr>
</tbody>
</table>

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# Geoflow Lockslip Fitting

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adapter. ½” SLIP x ½” Wasteflow drip line</td>
<td>9500041</td>
</tr>
<tr>
<td>Adapter. ¾” MPT x ½” Wasteflow drip line</td>
<td>9500042</td>
</tr>
<tr>
<td>Tee. Fits ½” Wasteflow drip line</td>
<td>9500043</td>
</tr>
<tr>
<td>Elbow. Fits ½” Wasteflow drip line</td>
<td>9500044</td>
</tr>
<tr>
<td>Coupling. Fits ½” Wasteflow drip line</td>
<td>9500045</td>
</tr>
</tbody>
</table>
### Item (Standard Valves)

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indexing Valve, Four Outlet Indexing - No Cam (4400)</td>
<td>9500046</td>
</tr>
<tr>
<td>Indexing Valve, Four Outlet Indexing - Cammed for 2 zone operation</td>
<td>9500047</td>
</tr>
<tr>
<td>Indexing Valve, Four Outlet Indexing - Cammed for 3 zone operation</td>
<td>9500048</td>
</tr>
<tr>
<td>Indexing Valve, Four Outlet Indexing - Cammed for 4 zone operation</td>
<td>9500049</td>
</tr>
<tr>
<td>Replacement Cam 2 zone, 4 outlet</td>
<td>9500050</td>
</tr>
<tr>
<td>Replacement Cam 3 zone, 4 outlet</td>
<td>9500051</td>
</tr>
<tr>
<td>Replacement Cam 4 zone, 4 outlet</td>
<td>9500052</td>
</tr>
<tr>
<td>Indexing Valve, Six Outlet Indexing - Cammed for 5 zone operation</td>
<td>9500053</td>
</tr>
<tr>
<td>Indexing Valve, Six Outlet Indexing - Cammed for 6 zone operation</td>
<td>9500054</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS:**
- Constructed of High Strength, Non-Corrosive ABS Polymer
- Flow Range:
  - 4 Outlet Valve: 10-40 GPM
  - 6 Outlet Valve: 10-40 GPM
- Pressure Rating: 25-75 PSI
- Pressure Loss:
  - 4 Outlet Valve: Flow (GPM) | 10 | 20 | 30 | 40
  - PSI Loss                  | 2.0| 3.0| 4.5| 6.4
  - 6 Outlet Valve: Flow (GPM) | 10 | 20 | 30 |
  - PSI Loss                  | 2.5| 4.5| 7.5|
- 4000 Series Valves are available with 1” inlet and outlet on request

### Item (Premium Valves)

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indexing Valve, Premium Four Outlet Indexing - Cammed for 2 zone operation</td>
<td>9500055</td>
</tr>
<tr>
<td>Indexing Valve, Premium Four Outlet Indexing - Cammed for 3 zone operation</td>
<td>9500056</td>
</tr>
<tr>
<td>Indexing Valve, Premium Four Outlet Indexing - Cammed for 4 zone operation</td>
<td>9500057</td>
</tr>
<tr>
<td>Indexing Valve, Premium Six Outlet Indexing - Cammed for 5 zone operation</td>
<td>9500058</td>
</tr>
<tr>
<td>Indexing Valve, Premium Six Outlet Indexing - Cammed for 6 zone operation</td>
<td>9500059</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS:**
- Valve Top/Housing constructed of Die-Cast Metal
- Valve Outlets constructed of High Strength ABS Polymer
- Flow Range: 15 - 150 GPM
- Pressure Rating: 25 - 150 PSI
- Pressure Loss:
  - 4 Outlet Valve: Flow (GPM) | 20 | 40 | 60 | 80 | 100
  - PSI Loss                  | 2.5| 3.5| 5.0| 7.5| 10.0
  - 6 Outlet Valve: Flow (GPM) | 20 | 40 | 60 | 80 | 100
  - PSI Loss                  | 3.0| 4.0| 6.0| 9.0| 11.0
- Inlet: Threaded 1 1/2” NPT Connection
- Outlets: Slip and Glue Connections to 1 1/2” PVC Pipe
- Dimensions: 7” h X 8” w
# K-Rain RCW & ProPlus™ Sprinkler Heads

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sprinkler Head RCW 3&quot; pop-up (Special Order)</td>
<td>9510001</td>
</tr>
<tr>
<td>Sprinkler Head RCW 4&quot; pop-up (Special Order)</td>
<td>9510002</td>
</tr>
<tr>
<td>Sprinkler Head RCW 6&quot; pop-up (Special Order)</td>
<td>9510003</td>
</tr>
<tr>
<td>Sprinkler Head RCW 12&quot; pop-up (Special Order)</td>
<td>9510004</td>
</tr>
<tr>
<td>Nozzle (pattern for RCW Sprinkler Heads) (Special Order)</td>
<td>9510005</td>
</tr>
<tr>
<td>Sprinkler Head, ProPlus™ low nozzle (360° adjustable range) 3/4&quot; inlet</td>
<td>9510006</td>
</tr>
<tr>
<td>Sprinkler Head, ProPlus™ low nozzle High Pop (360° adjustable range) 3/4&quot; inlet</td>
<td>9510007</td>
</tr>
<tr>
<td>Sprinkler Head, ProPlus™ low nozzle Shrub (360° adjustable range) 3/4&quot; inlet</td>
<td>9510008</td>
</tr>
</tbody>
</table>

**RCW Features and Benefits**
- Stainless Steel Retraction Spring – Provides reliable retraction of the riser in all soil conditions.
- Ratchet Riser – Allows for easy pattern alignment by turning the riser.
- Heavy Duty Wiper Seal – Ensures leak free, full pop-up operation even under low-pressure situations.
- Purple Cap for Reclaimed Water use – Highly visible for identification of reclaimed water systems reducing liability.
- Time Proven Patented Reversing Mechanism - Ensures continuous reverse and return over 20 years of operation.
- Ratcheting Riser – Allows for easy adjustment of the left starting position with a simple turn of the riser.
- K-Spray pop-ups are ideal for watering smaller areas, ground cover, and shrubs areas.

**ProPlus Features and Benefits**
- Revolutionary Patented Easy Arc Set – Easily adjusted from the top with a flat blade screwdriver.
- 2N1 Adjustable or Continuous Rotation – Provides a full range of adjustment from 40° to a full 360°.
- Patented Arc Set Degree Markings – Shows the degree of adjustment with the point of an arrow on the top cover.
- Arc Memory Clutch – Returns rotor to its preset position automatically even after being tampered with.
- Time Proven Patented Reversing Mechanism – Ensures continuous reverse and return over 20 years of operation.
- Ratcheting Riser – Easily adjust the left stop position by turning the riser.
- Heavy Duty Rubber Cover – Protects against physical injury and reduces liability.
- Wide Selection of Nozzles – Including standard and low angle, provides flexibility in system design to achieve matched precipitation.
- Optional Check Valve – Prevents low head drainage, saves water and reduces liability.

**PROPLUS™ FOR RECLAIMED WATER–11003-RCW**
A heavy duty rubber cover protects against physical injury. The purple cover positively identifies reclaimed water and reduces liability.

**PROPLUS™ 12” HIGH POP–11003-HP**
Appropriate for medium-to-large landscape areas.

**PROPLUS™ SHRUB HEAD–11003-SH**
All the features of the PROPLUS in a shrub-appropriate size.
Polylok Risers & Cover

Item | Part Number
--- | ---
Plastic Riser 12 inch D x 6 inch H | 9520013
Plastic Cover or Grate 12 inch D | 9520014
Plastic Riser 6 inch H x 20 inch D | 9520015
Plastic Riser 12 inch H x 20 inch D | 9520016
Plastic Cover 20 inch D | 9520017
Plastic Cover or Grates 20 inch flat D | 9520018
Plastic Adapter Rings | 9520019
Plastic Riser 24 inch D x 6 inch H | 9520020
Plastic Riser 24 inch D x 12 inch H | 9520021
Plastic Cover 24 inch D | 9520022
Heavy Duty Plastic Cover 24 inch D | 9520023
Stainless steel screws (square head) | 9520024
Stainless steel screws (philips head) | 9540018

Riser Features

- Watertight and airtight
- Allows tank to be easily vacuum or water tested
- Highest UV-Ray Protection on the market
- Easy to bring access to grade
- Made of high density polyethylene, which won’t shatter like some polypropylene risers
- Structural ribs inside prevent frost from adhering to the riser in frost prone areas
Tuf-Tite Risers & Covers

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plastic Riser 4 inch D x 1 inch H (black only)</td>
<td>9520042</td>
</tr>
<tr>
<td>Plastic Riser 4 inch D x 6 inch H (green only)</td>
<td>9520043</td>
</tr>
<tr>
<td>Plastic Riser 0 inch D x 1 inch H (black only)</td>
<td>9520045</td>
</tr>
<tr>
<td>Plastic Riser 0 inch D x 6 inch H (green only)</td>
<td>9520046</td>
</tr>
<tr>
<td>Plastic Cover 4 inch D (green only)</td>
<td>9520044</td>
</tr>
<tr>
<td>Plastic Cover 20 inch D (green only)</td>
<td>9520047</td>
</tr>
</tbody>
</table>

Features
- Horizontal safety screw
- Lids attach with vertical stainless steel screws
- Cut-outs for pipe penetrations
- Riser-to-Riser attachment with vertical screws
- Molded-In lid gaskets
- Corrosion resistant, durable, and strong
ConSeal

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS-10 Rubber Butyl Sealant 1/2&quot; X 3/4&quot; (14.5 ft roll)</td>
<td>9520061</td>
</tr>
<tr>
<td>CS-367 FumeGuard Butyl Sealant (7.5 ft roll)</td>
<td>9520051</td>
</tr>
<tr>
<td>CS-2100 Water Plug Sealant (10 oz. tube)</td>
<td>9520054</td>
</tr>
</tbody>
</table>

Use CS-102 for permanently flexible watertight, sealed joints that will not shrink, harden or oxidize as it ages. CS-102 is a high performance butyl sealing compound most commonly used in the precast concrete industry to seal septic tanks, manholes, concrete pipes, box culverts, utility vaults, wall panels, concrete vaults, and burial vaults. Materials meet required ASTM, AASHTO, and federal specifications.

Provides permanently flexible watertight joints. CS-102 has excellent chemical and mechanical adhesion to clean dry surfaces.
- Flexible, watertight joints
- Rugged service temperature: -30° F to 200° F
- No priming necessary

CS-367 Fume Guard Seal is a general purpose thumb grade sealant that remains pliable and adheres to most clean, dry surfaces. It is used in the precast concrete industry and has been engineered to provide watertight seals while allowing easy access to service entries such as inspection ports.

Color: Earth tone
- Adheres to clean, dry surfaces
- Application temperatures from 0 - 100° F
- Non-shrinking

CS-2100 is an applicable sealing compound used to seal cable and pipe entries into underground structures such as basements, telecommunication vaults, storage tanks, and sewer lines. Effective for use as a concrete sealant or as a leak repair for building foundations, pools, and wastewater structures. Adheres to steel, concrete, polyethylene, polypropylene, PVC, rubber, and wood. It’s non-corrosive to pipe and cable coatings.

Color: Green
- Bonds to wet surfaces
- No priming necessary
- Non-corrosive to pipe and cable coatings
- Non-curing, retains pliability for long-term protection
Polylok Effluent Filters

Item
Plastic Effluent Filter 800 GPD (PL-68) (Special Order)
Plastic Effluent Filter & Tee 800 GPD (PL-68)
PL-68 Tee Baffle (Special Order)

Features
• Fits in any tee on the market
• 68 linear feet of 1/16” filtration slots
• Accepts 1” PVC handle
• Easy installation
• Locks in any 360° position when used with PL-68 Tee
• PL-68 Housing can be used as an inlet or outlet tee

Item
Plastic Effluent Filter 1500 GPD (PL-122)
Optional Alarm Switch

Features
• Offers over 122 linear feet of 1/16” filter slots
• Flow control ball shuts off the flow of effluent when the filter is removed for cleaning
• Gas deflector ball deflects solids
• Installs easily in new tanks or retrofits in existing systems
• Comes complete with its own housing; no gluing of tees or pipe
• Rated for 1,500 gpd
• Modular design allows for increased filtration
• Accepts 3” and 4” SCHD 40 and SDR 35 Pipe

NOTE: Please specify if the filter will be flange mounted or if a four inch pipe adapter fitting will be required when ordering
Polylok's new PL-525 and PL-625 Effluent Filters are rated for up to 10,000 gpd (Gallons Per Day), placing them among the largest commercial filters in their class. Like the PL-122, the new PL-525 and PL-625 have an automatic shut off ball installed on every filter. When the filter is removed for cleaning, the ball floats up and temporarily shuts off the system so the effluent won’t leave the tank. No other manufacturer on the market can make that claim.

Features
• Rated for 10,000 gpd (Gallons Per Day)
• PL-525 has 525 linear feet of 1/16” filtration
• PL-625 has 625 linear feet of 1/32” filtration slots
• Accepts 4” and 6” SCHD 40 pipe
• Built in Gas Deflector
• Automatic shut-off ball when filter is removed
• Alarm accessibility
• Accepts PVC extension handle

Under normal conditions, the PL-525 and PL-625 Effluent Filters will operate efficiently for several years before requiring cleaning. It is recommended that the filter be cleaned every time the tank is pumped or at least every three years. If the installed filter contains an optional alarm, the alarm will notify the owner when the filter needs servicing. Servicing should be done by a certified septic tank pumper or installer.
Polylok - Zabel Effluent Filters & Cartridges

Item                                      Part Number
Zabel A1801 - 4X18 Cartridge (fits in standard 4” tee) 9520048
Zabel A300 (1/32 slots) 12” X 20” Filter 9520049
Zabel A300 (1/32 slots) 8” X 18” Filter 9520050
Optional Alarm Switch 9520036

CARTRIDGE FEATURES:

• 1/16” Filtration
• Available with built-in secondary 1/2” filtration, reducing preventing large solids from entering
• Can fit into any 4” sanitary tee baffle
• Accepts SmartFilter® switch for use with filter alarms
• Accepts Optional 4” Handle Extension Kit

12” X 20” FILTER FEATURES:

• Flow Rates between 3,000-6,000 gpd
• Optional SmartFilter® switch and alarm
• Versa-Case with built in reducer/adapter and allows solvent welding to either 4” or 6” SCHD 40 pipe
• 1/32” filtration

8” X 18” FILTER FEATURES:

• Flow Rates between 1,200-2,400 gpd
• Optional SmartFilter® switch and alarm
• 1/32” filtration
Polylok Distribution Box

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plastic Distribution Box - 1&quot;</td>
<td>95003</td>
</tr>
<tr>
<td>Plastic Distribution Box - 0&quot;</td>
<td>950033</td>
</tr>
<tr>
<td>D-Box Seals</td>
<td>950035</td>
</tr>
</tbody>
</table>

Polylok 12" Distribution Box

The Polylok Distribution Box, the most versatile box on the market, lets you choose the height of your inlets and outlets. It also comes with stabilizing feet to anchor the box.

Features
- Use as rain drain, D-box, or drop box; allows for all configurations
- Use as a rain drain for gutters, driveways, and sub-surface drainage
- Use as a distribution box or drop box for onsite septic systems
- Use with the 12" riser to bring cover or grate to grade as needed
- Accepts 2", 3", 4", and corrugated pipe
- Use with solid cover or grate, your choice, no additional cost
- Four stabilizing feet with every box

20" Distribution, Drain & Valve Box

The new 20" Drain, Valve & Meter Box is the solution to all of your drainage needs. The most versatile box on the market, it is great for large applications such as golf courses but is also a suitable size for the home. There's no need to worry about different colored fittings or plugs to inventory because as well as accepting 2", 3" and 4" pipe, it also accept 6" pipe. Our 20" Drain Box will also accept our 20" Risers so you can easily bring the Drain Box to grade.

Features
- 6" seal and opening available on request
- No different colored fittings or plugs to inventory
- Flat cover or grate included
- 20" D-box can be used as a valve or meter box
- Accepts 20" Polylok Riser to bring to grade
- Optional Baffle available
- Accepts 6" pipe on request
## Polylok Seals, Mandrels and Extend & Loks

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly Seal I Low Pressure</td>
<td>9520001</td>
</tr>
<tr>
<td>Poly Seal II High Pressure</td>
<td>9520002</td>
</tr>
<tr>
<td>Mandrels (for Seal I &amp; II)</td>
<td>9520003</td>
</tr>
<tr>
<td>Mandrels (Boot Seals Poly IV High Pressure)</td>
<td>9520006</td>
</tr>
<tr>
<td>Extend &amp; Lok 3”</td>
<td>9520041</td>
</tr>
<tr>
<td>Extend &amp; Lok 4”</td>
<td>9520039</td>
</tr>
</tbody>
</table>

### Poly Seal I Low Pressure
Eliminates grouting around the pipe. Quick and easy conversion to any existing form. Low pressure pipe seals can be used in any low pressure application. It's time to upgrade your product with the Polylok Pipe Seal your customers will be glad you did.

- Accommodates 2”, 3”, 4”, SCHD 40 and corrugated pipes
- Watertight
- No grouting

### Poly Seal II High Pressure
Use the Poly Seal II for the inlet and outlet pipes on septic tanks, aerobic systems, or anywhere you need water tightness. This new hybrid seal will mount to our existing mandrel that bolts directly to the septic tank form just like the original. The Poly II meets the Vacuum & Hydrostatic pressure requirements of ASTM spec. C-923 for 2”, 3” and 4” SCHD 40. It will allow the water tightness that is now required and the flexibility of choosing what size pipe you want.

- Accepts 2”, 3” and 4” SCHD 40 and corrugated pipes
- Prevents infiltration and exfiltration
- No grouting for secure pipe connection
- Fits tank walls 2.5”- 6”

### Extend & Lok 3” and 4”
Use the Extend & Lok to extend the inlet or outlet pipe and make filter and/or baffle installation a snap.

### Mandrels
The mandrels are made from a polypropylene composite that allows them to maintain their shape even during the most demanding applications. Each time you cast a Polylok Seal into your tank, you are assured you will get a watertight connection. The mandrels accommodate 2.5”- 6” wall thickness.
Polylok Boot Seals

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boot Seal open end Poly IV High Pressure</td>
<td>9520004</td>
</tr>
<tr>
<td>Boot Seal closed end Poly IV High Pressure</td>
<td>9520005</td>
</tr>
</tbody>
</table>

- Fits onto many existing open end boot tank mandrels
- Allows tanks to be easily vacuum tested
- Accepts 4” SCHD 40 or SDR 35 pipe
- Can be cast in walls 2” - 4” in thickness
- Helps to insure a watertight tank

This is the best seal on the market today for vacuum testing and water testing tanks. It is designed with a closed end, so it is no longer necessary to plug seal holes before testing.

Polylok Plastic Wheel Chairs

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plastic Wheel Chairs 7/8 inch</td>
<td>9520007</td>
</tr>
<tr>
<td>Plastic Wheel Chair 1 inch</td>
<td>9520008</td>
</tr>
<tr>
<td>Plastic Wheel Chair 1 inch HD</td>
<td>9520009</td>
</tr>
<tr>
<td>Plastic Wheel Chair 1.5 inch</td>
<td>9520010</td>
</tr>
<tr>
<td>Plastic Wheel Chair 2 inch</td>
<td>9520011</td>
</tr>
<tr>
<td>Plastic Wheel Chair 3 inch</td>
<td>9520012</td>
</tr>
</tbody>
</table>

Polylok chairs handle any load. Be confident knowing that your rebar will stay where you place it. The strongest 7/8”, 1”, 1½”, 2”, and 3” cover chairs for all concrete work including: precast, utility vaults, slabs, barriers, foundation work, and bridges. Use one Polylok ratchet style chairs instead of three of any other brand. Works with #3, 4, 5, or 6 rebar.
Red Jacket™ Submersible Pumps

Item
Economy Submersible Effluent Pump - 1/2 HP

Part Number
953001

Model REP5 Submersible Effluent Pump

Application
Mound systems, effluent dosing, low pressure pipe, heavy duty sump or dewatering systems

REP5 Pump
• Max. Capacity: 70 GPM
• Max. Head: 37' TDH
• 1/2 HP, 115 and 230 V

Materials of Construction
Cast iron, thermoplastic and stainless steel

Features/Benefits
• Continuous duty, oil-filled, single phase motors
• Built-in venting - no need to drill vent hole in pipe
• Handles 1/2" solids for use as a sump or effluent pump
• Carbon, ceramic, BUNA mech. seal
• Quick Disconnect 20' power cord
• Discharge: 1-1/2" NPT
Red Jacket™ Submersible Pumps

**Item**
Submersible Effluent Pump - 1/2 HP

**Part Number**
953002

2EP Submersible Effluent Pump

**Features and Benefits**
- Cast iron, semi-open, non-clog impeller with pump out vanes for mechanical seal protection
- Cast iron volute type casing for maximum efficiency
- Silicon carbide vs. silicon carbide seal faces
- Stainless steel corrosion resistant shaft. Threaded design. Locknut on three phase models to guard against component damage on accidental reverse rotation
- Handles solids up to 3/4"

**Applications**
- Homes
- Farms
- Trailer courts
- Motels
- Schools
- Hospitals
- Industry
- Effluent systems

**2EP0511**
- HP - 0.5
- Phase - 1
- Volts - 115
- RPM - 3450
- Impeller Dia. (in.) - 3.56
- Max Amps - 14.5
- LRA - 46
- KVA Code - M
- Full Load Motor Eff. - 54
- Resistance
  - Start - 7.5
  - Line-Line - 1
- Wt (lbs.) - 60

**EP Submersible Effluent Pump**

**Features and Benefits**
- Cast iron, semi-open, non-clog impeller with pump out vanes for mechanical seal protection
- Cast iron volute type casing for maximum efficiency
- Silicon carbide vs. silicon carbide seal faces
- Stainless steel corrosion resistant shaft. Threaded design. Locknut on three phase models to guard against component damage on accidental reverse rotation
- Handles solids up to 3/4"

**Applications**
- Homes
- Farms
- Trailer courts
- Motels
- Schools
- Hospitals
- Industry
- Effluent systems
Red Jacket™ Submersible Pumps

Item | Part Number
--- | ---
Utility Pump - 1/2 HP | 953003
Utility Pump - 1 HP | 953012

Utility Pump Models E518
Red Jacket Water Products Utility Pumps are specifically designed to handle your toughest effluent applications. The 518 model utility pump comes equipped with a 1/2 hp, 115 volt, Franklin Electric NEMA standard motor and a removable pump end for quick and easy service. A strainer gives the Red Jacket Utility pump added protection against blockage. The Utility Pump can handle solids up to 1/16” in diameter. The model 518 pump has an optimum performance of 18 gpm, giving you greater flow on more demanding jobs.

Features and Benefits
- Nylon impact and corrosion resistant discharge head and base
- Pump shell constructed with a press and roll process for better performance
- 303 Stainless steel shaft/coupling provides greater power transfer
- 303 Stainless pump and motor for maximum corrosion resistance

Applications
- Aeration
- Cistern
- Irrigation
- Effluent

Dimensions (in inches)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discharge</td>
<td>1 1/4” NPT</td>
</tr>
<tr>
<td>Pump O.D.</td>
<td>3.75”</td>
</tr>
<tr>
<td>W.E. Length</td>
<td>610 – 13.6”</td>
</tr>
<tr>
<td>W.E. Length</td>
<td>518 – 11.5”</td>
</tr>
<tr>
<td>Motor Length</td>
<td>9.53”</td>
</tr>
<tr>
<td>LOA</td>
<td>610 – 23.1”</td>
</tr>
<tr>
<td>LOA</td>
<td>518 – 21”</td>
</tr>
</tbody>
</table>

1/2 HP Utility Pump Curve
Red Jacket™ Submersible Pumps

Item
Submersible Sewage Pump - 1/2 HP

Part Number
953004

2WS BHF Sewage Pump

Features and Benefits
• Premium cast iron design for strength and durability
• Impeller is a cast iron, enclosed, dynamically balanced, non-clog design with pump out vanes for mechanical seal protection
• Casing is a cast iron flanged volute design with a 2" NPT threaded bolt-on flange for easier assembly, designed for easy installation on A10-20 slide rail
• Handles solids up to 2"
• Shaft is corrosion resistant, 300 series stainless steel, threaded design, locknut on all models guard against component damage on accidental reverse rotation
• Fasteners are 300 series stainless steel
• Capable of running dry without damage to components
• Designed for continuous operation, when fully submerged
SJE Rhombus Floats and Switches

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal Master® SPDT Mechanical Control Float</td>
<td>953006</td>
</tr>
<tr>
<td>Signal Master® SPST Mechanical Control Float</td>
<td>9600007</td>
</tr>
<tr>
<td>MicroMaster Plus® w/Water Seal Mechanical Pump Float</td>
<td>953007</td>
</tr>
<tr>
<td>Vertical Master® Mechanical Pump Float</td>
<td>953008</td>
</tr>
<tr>
<td>Double Float Master® Mechanical Pump Float Switch</td>
<td>953009</td>
</tr>
<tr>
<td>PumpMaster® SPDT Mechanical Pump Float Switch</td>
<td>953010</td>
</tr>
<tr>
<td>PumpMaster® SPST Mechanical Pump Float Switch</td>
<td>9600006</td>
</tr>
<tr>
<td>Vertical Reed® Switch</td>
<td>953011</td>
</tr>
</tbody>
</table>

- SignalMaster® control switch
  - Control differential of 1.5” above or below horizontal
  - Not sensitive to rotation
  - Can be mounted by mounting clamp or cable weight

- PumpMaster® pump switch
  - Mechanically activated pump switch for direct control of pumps in sewage, non-potable water or potable water

- Double Float Master pump float switch
  - Adjustable pumping range of 10-56” with increased range of up to 6’

- Vertical Reed® Switch
  - Use with filter installs
  - Control differential
  - Corrosion resistant PVC for use in sewage and non-potable water up to 120 degrees farenheit

- VerticalMaster® pump switch
  - Heavy duty contacts
  - Adjustable pumping range of 3/4“- 6 1/2”
  - Maximum operating temperature of 125 degrees farenheit
Jet Pre-Assembled Basins

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact Basin</td>
<td>955</td>
</tr>
<tr>
<td>Sewage Pump Basin with 953004</td>
<td>956</td>
</tr>
<tr>
<td>Effluent Pump Basin with 953001</td>
<td>957</td>
</tr>
<tr>
<td>Filter Basin with PL-525 Effluent Filter</td>
<td>958</td>
</tr>
<tr>
<td>Filter Basin with PL-625 Effluent Filter</td>
<td>959</td>
</tr>
</tbody>
</table>

Keep all of your lift station or dosing options simple with the complete line of Jet pre-assembled and pre-sized pump basins. These handy basins are pre-assembled to hold approximately 75 gallons to the flow line, with functional volumes between 10 and 50 gallons. Additional sizing is as easy as adding a riser to the bottom of the basin assembly. Each additional riser will increase the total volume by 25 gallons. Inlet and outlet heights are set to factory defaults, or you can specify your exact heights for greater installation convenience.

Features:

- High Quality Red Jacket Pump
- Removable Float Tree for Easy Access
- Heavy Duty Pump Lift Chain
- Four Inch Junction Box with Sealed Connectors
- Quick Disconnect for Two Inch Discharge
- On/Off Pump Control Float
- High Water Alarm Float

Recommended Control Systems

- Model 195 & 196 Control Panels - Include Jet aerobic system control circuit, high water alarm, and various options upon request
- Model 112 Demand Dose Control Panel - Single pump demand dosing control panel with built in high water alarm contacts
- Model TD Timed Dose Control Panel - Single pump timed dosing control panel with built in high water alarm contacts
EZ-Pull Quick Disconnect and EZ-Puller

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EZ-Pull Quick Disconnect 1.5&quot;</td>
<td>9520058</td>
</tr>
<tr>
<td>EZ-Pull Quick Disconnect 2&quot;</td>
<td>9520059</td>
</tr>
<tr>
<td>EZ-Puller (tip only)</td>
<td>9520060</td>
</tr>
<tr>
<td>EZ-Puller Tool</td>
<td>9520065</td>
</tr>
</tbody>
</table>

**EZ-Pull Quick Disconnect**

Quickly remove or install your next pump without struggling into tight fits or crawling into tanks or risers to deal with corroded unions.

You will no longer need to deal with awkward angles, slipping wrenches, or scraped knuckles. Featuring an easy-to-handle design, the EZ-Pull Quick Disconnect features a lifting loop to disengage the tapered connection.

Injection molded and glass filled thermoplastic, the EZ-Pull features an O-ring that makes it watertight. The EZ-Pull will be an indispensable addition to your toolbox. It is a smart and simple solution to corroded unions.

The EZ-Puller tool is used for the removal of the EZ-Pull Quick Disconnect.

**EZ-Puller Tool**

**EZ-Puller Tip**

Notes:
FPT indicates a female pipe thread.
Air Cleaning Tools to clean BAT® Media.

Tool kit includes hinged and fixed diffuser bar options. Kit can clean media in tank with up to four risers. An essential tool for maintaining proper treatment capability of Jet systems.

Note: Does not include blower assembly

Blower Kit for Media Cleaning Tool.

Blower kit supplies the air pressure for operation of the Air Cleaning Tool. Kit includes a Gast® rotary blower, air supply hose, and 100’ extension cord.
The Nasco Sludge Judge® is the ideal tool for evaluating core samples of conventional and advanced treatment tanks. Evaluate the need for pump outs and proper solids separation right on the spot. It conveniently breaks down into three 5’ sections for easy storage and handling while on site.

Aerator shaft cleaning brush: includes 23” cleaning rod, tee handle, and one brass brush. Works for both motor shaft and aspirator shaft.

Additional brushes available for order.
The aerator lifting fork makes it a breeze to service plants installed well below grade. Ideal for installations with two or more risers below grade. Lifting fork interfaces with standard 1" NPT pipe thread so you can cut your lifting pipe to any required length.

*piping not included

The Jet air flow meter is a simple, easy-to-use tool that is a must-have for your service provider tool box. This meter allows you to gauge exactly how much air is being delivered to each Jet system, ensuring the proper dissolved oxygen levels are maintained in the treatment compartment.

- Readout in standard, metric, and pass/fail
- Flexible adapter retrofits to any aerator
- Breaks down for easy storage

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>Air Flow Gauge</td>
<td>7000951</td>
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<tr>
<td>Reducer Sleeve (replacement)</td>
<td>7000928</td>
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<tr>
<td>Aerator Lifting Fork</td>
<td>3500188</td>
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</tbody>
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The leader in onsite wastewater
Jet Residential Molds

A Jet mold is a safe, simple and durable precast form built to last. It will pay for itself in no time. You are able to pour one-piece tanks with no seams below the water level.

Available Molds
- One piece molds
- All-in-one 500 gpd pump tank
- All-in-one 750 gpd pump tank

Features
- Lids that can accommodate 4", 5", or 8" thickness for variable burial depth.
- Aerator riser, extension riser, and cover casting molds are available
- Access pans are offered with varying dimensions
- Pick up bars, pouring pans, and vibrators are optional

Please call your Jet sales team representative for more information.
Mini Display Jet Tank & Aerator Display Cylinder

<table>
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<tr>
<td>Home Plant Display Model</td>
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<tr>
<td>Aerator Display Cylinder</td>
<td>019222</td>
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</table>

This acrylic home aerator display cylinder\* is an excellent sales tool. A display cylinder can be easily set up and is ideal for shows, meetings, and demonstrations. When the display is not in use away from the office, many distributors leave it set up in their lobbies.

Easy to set up and is ideal for shows, meetings and demonstrations. The clear Plexiglas tank is completely sealed and holds approximately three gallons of water. Tank comes fully assembled including all baffle walls, miniature BAT® Media pack, and aerator. Your customers can see it in action. So convenient, you’ll leave it set up in your office lobby.

The aerator operates on a standard 115 volt, 60 Hz outlet.
Measurements
14 1/2” x 7 1/4” x 8 1/2”

This acrylic home aerator display cylinder\* is an excellent sales tool. A display cylinder can be easily set up and is ideal for shows, meetings, and demonstrations. When the display is not in use away from the office, many distributors leave it set up in their lobbies.

Measurements
54” x 11 1/2” x 1/4” thick cast acrylic tube

\*Aerator not included.
Commercial Systems

Total Pollution Control for Any Facility Built Beyond Sewer Lines

Jet’s Commercial Wastewater Treatment Plants make it possible for motels, shopping centers, and service stations to be constructed along interstate highways far from any town. Subdivisions can be developed miles beyond sewer lines. Factories can be erected in rural areas. People can live and work in isolated areas such as Guam and Peru as well as in the world’s deserts, deep valleys, and mountain ranges. Ours are time-tested plants that treat wastewater through the performance-proven aerobic digestion process that enables microscopic living organisms to transform wastewater into a clear, odorless liquid.

Delivering dependable and quality onsite commercial wastewater treatment since 1955

- Corrosion-free, reinforced concrete tank for durability
- Great for NEW PROPERTY DEVELOPMENT
- Modular construction supports a broad range of plant sizes and phased developments
- A range of options available to meet specific site requirements
- 1,500 - 300,000 gpd capacity
- Jet AIR-SEAL Diffuser® saves time and money
- Proven performance from an Extended Aeration Process
- 24/7 technical support; plant start-up and operator training available
- Expert plant design and engineering assistance available
- Exclusive BIO JET-7® and JET-CHLOR® for environmentally safe odor free discharge

The Jet Commercial Disinfection system consists of tablet feeders that are self-contained, chlorine dispensing systems designed specifically for the disinfection of effluent from commercial wastewater treatment facilities.

Three models are available for chlorination of flows up to 100,000 gpd. Easily installed directly in the ground on the discharge line or on the inlet of a chlorine contact chamber, these tablet feeders use no electricity and have no moving parts. Chlorine dosage is automatically adjusted in proportion to the flow. On the larger two models, the weir plates are calibrated in both metric and English and enable the user to determine the flow rate at a glance.
Every Jet Commercial Wastewater Treatment Plant is supplied with a pre-wired electrical control panel that monitors motor and blower operation, flow, chlorination, spray, pumps, and auxiliary equipment. Proven components are simple to maintain, operate, and troubleshoot. Jet fully tests all mechanical and electrical equipment to ensure that all components operate properly.

In our 2000 Series plants, the motor, blowers, and control panel are protected inside a Jet weatherproof fiberglass equipment housing. In Jet Series 3000 plants, a separate weatherproof sheet metal enclosure with an equivalent NEMA 3R rating houses all electrical controls. This enclosure is protected with at least two coats of weather resistant paint. Both 2000 and 3000 Series enclosures are secured with master-keyed padlocks.

Control Panel Options
• 24-Hour Time Clock
• Flow Recorder
• Test Switch
• 7-Day Time Clock
• 115 V Receptacle
• Foam Control/Spray Option
• Chlorinator Option
• Comminutor Option
• Spare Switch
• Automatic Alternation

Special Order - Call for Quote
The Only Non-Clog Diffuser You Can Buy.
The heart of every extended aeration wastewater treatment facility is its air diffusion system. The diffuser introduces the large amounts of oxygen required to meet the demands of the aerobic digestion process. It also mixes that oxygen with activated sludge in the tank to provide complete treatment. However not all diffusers are the same. Some are no more than pieces of pipe with holes drilled to release air. Others use spring-loaded valves. Some are simple porous structures.

No matter what they are made from or how they release oxygen into the plant, they all diffuse air upward -- and that’s why they all quickly clog. During off-cycle periods when air is not being circulated, solids in the aeration chamber settle to the bottom to clog the diffuser opening. The result: air flow is reduced or completely stopped. The plant must be shut down and the diffusion system cleaned.

When you examine the available diffusers, Jet remains the only clog-free diffuser on the market.
Jet Hybrid Light Commercial Plants

The Jet Hybrid Light Commercial Plants are equipped with flow equalization giving them the potential to treat wastewater that is not typical of residential sources. Commonly such applications would otherwise require a commercial treatment systems. The Jet Hybrid Light Commercial Plants combine the benefits of flow equalization and additional pretreatment preceding our field proven BAT Media system designs which are used individually and in parallel to provide multiple flow capacities ranging from 500 to 6,000 GPD. The BOD reduction is based on the modular configuration and the number of BAT systems utilized in the design according to the loading rates specified below:

BOD Reduction in Flow Equalization Tank up to ~ 4.7 Pounds per Day

Maximum BOD loading (per unit):
J500 = 1.25 lbs/day
J750 = 1.87 lbs/day
J1000 = 2.50 lbs/day
J1250 = 3.12 lbs/day
J1500 = 3.75 lbs/day

Acceptable Applications
- Office Building
- Churches
- Strip Malls
- Doctor/Dental Office

Unacceptable Applications
- Bakeries
- Restaurants
- Hospitals
- Industrial

Please contact Jet's Commercial Sales Department for additional information.
# DISTRIBUTOR ORDER FORM

**Buyer Info:**

- **Buyer Name:**
- **Title:**
- **Phone:**
- **Fax:**
- **Best Time to call:**

**Company Name:**

- **Address:**
- **City, State ZIP:**

**Ship To:**

- **Company Name:**
- **Address:**
- **City, State & ZIP:**

**Credit Card (please circle type)**

- **Card Holder’s Name:**
- **Card Number:**
- **Expiration Date:**

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**Toll Free:** (800) 321-6960

(440) 461-2000

**Fax:** (440) 442-9008

**www.jetincorp.com** email@jetincorp.com