Available exclusively from Super Products, the Camel 1200’s wastewater recycling system enables operators to clean sewers without the use of fresh water. And this can translate into substantial savings.

**SAVE WATER!**
Clean 2,500 feet of pipe a day; save 50,000 gallons of water a week. Good for productivity. Good for the environment.

**SAVE TIME!**
Longer on-site performance. Clean 18% more pipe a day. That’s like adding two more days to the five day work week.

**SAVE MONEY!**
Saving water, saving time. Saves money. Double your profits. Pay your unit off in months.

Stage one of the separation of water and debris takes place inside the debris body. All debris and affluent material enters the debris tank on the front side of the ejector plate where initial roaster and debris separation takes place.

During the second stage the ejector plate separates liquid from solids in the debris body. The ejector plate has small clearances and passages to allow liquids to pass to the rear side of the ejector plate, holding solids on the front side.

The third stage consists of the settling area behind the ejector plate where water accumulates for the recycling process.

The fourth stage includes an oscillating, self-cleaning filter screen located on the rear side of the ejector plate. The oscillation creates a counterflow and agitation of materials and liquids around it. This filter screen includes two self-cleaning spray bars. One is a low-pressure spray bar using recycled water that is constantly cleaning the outside of the screen. The other is an internal intermittent high-pressure spray bar that uses fresh water to internally clean the screen.

The fifth stage involves a centrifugal separator located on the front tank head of debris body. This separator is designed to remove particles from the liquid via centrifugal action. The system includes an automatic continuous discharge of particles back into the debris body.

The sixth – and final – stage consists of a Y-type cast-iron strainer with a stainless-steel filter element that filters the liquid prior to the high-pressure water pump.

US Patent 9,611,636 and other patents pending.
OUTSTANDING FEATURES, UNIQUE CAPABILITIES

**SINGLE-ENGINE DESIGN**
- Lighter weight and design capable of carrying large payloads
- Up to 40% reduction in fuel costs compared to dual-engine units
- 95% lower operating costs than other single-engine units

**FRONT MOUNTED CONTROL PANEL**
- Full color digital display operates screen with advanced diagnostic and trouble-shooting capabilities
- LED panel lights enable readability in dark environments

**WATER TANKS**
- Total water capacity of 1500 gallons
  - Constructed of non-cross linked polyethylene, a repairable material
  - If tank is ever damaged
  - For wear resistant, stainless-steel crossover enables quick filling of tanks. Required 1000 gallon water supply is less than 15 minutes

**WATER PUMP**
- Double-acting, single piston hydraulic-powered water pump offers
  - 1:1 oil to water ratio and rated design capacity of 100 gpm and 3000 psi continuous duty
  - Double-acting, single piston hydraulic-powered water pump offers
  - 1:1 oil to water ratio and rated design capacity of 100 gpm and 3000 psi continuous duty

**FRONT-MOUNTED HOSE REEL**
- Ejector plate acts as a baffle to reduce load sloshing during
ejector plate unloading system safely and effectively

**LOW OVERHEAD HEIGHT**
- 11’ 6” overall height results in unit having a lower center
curbside of chassis cab or on the wireless remote
- For discharging debris from the collector body are located
- Whether ejection or body-dump unloading, all controls

**POWER ROOM**
- If vacuum system with a heavy-duty, channel reinforced elbow
  - For maximum durability. For easy replacement, the
  - In addition to using the joystick, a maintenance remote can rotate the
  - Combined with the handy free automated hydraulic system
  - Four mechanical, wedge-style, hydraulically-operated
tailgate latches secure rear debris tank door. Latching is
  - Left latch tower in the debris tank can be replaced without waiting or needing to repurpose

**SINGLE-MOUNTED REAR VACUUM**
- In addition to being a robust system, the debris outlet also
  - Rear debris tank can be replaced
  - Ejector plate unloading system safely and effectively

**DEBRIS COLLECTOR BODY**
- Steel plate thickness of 13/16" thick
  - Cylinder-head shaped construction built of aluminum and corrosion resistant 316 stainless steel for added strength
  - For improved water flow efficiency, 1 ¼" plumbing from water pump
to rear tank

**DEBRIS TANK**
- Cylinder-shaped debris collector is constructed on vacuum tank body
  - Dual make/break connection between debris inlet pipe
  - In addition, the debris tank can be replaced without waiting or needing to repurpose

**Rear-Engaged Vacuum System**
- Internal body flush-out system makes cleaning fast and
easy at the dump site
  - Rear-debris tank unloading system safely and effectively
  - Dual make/break connection between debris inlet pipe

**POWER SYSTEM**
- 12 YARD SEWER CLEANER
- Camel 1200 is available with Super Products’ patented Acculevel®, an innovative radar debris
  - Easy access to parts for a faster and more efficient
downtime during service
  - Vacuum system requires no high angle elevation of the debris tank to dump the load which reduces the chance of getting overloaded suction lines

**EJECTION UNLOADING SYSTEM**
- Camel 1200 is available with hydraulic systems, hydraulic
  - Camel 1200 is also available with an unloading method
  - Camel 1200 is available with an unloading method

**OUTSTANDING BOOM MOVEMENT**
- Camel 1200 is available with an unloading method
  - Camel 1200 is available with an unloading method

**BOOM OFFICE TECHNOLOGY**
- Camel 1200 is available with an unloading method
  - Camel 1200 is also available with an unloading method
  - Camel 1200 is also available with an unloading method
OUTSTANDING FEATURES, UNIQUE CAPABILITIES

1. **Single-Engine Design**
   - Lighter weight and design capable of carrying large payloads.
   - 90%+ resolution in fuel economy compared to dual engine units.
   - 10% lower operating cost than other single-engine units.

2. **Front-Mounted Control Panel**
   - 7” color digital display operator screen with advanced diagnostic tools and include changing capabilities.
   - Button labeled 8-way memory module, vacuum pump arrangement, and data, vacuum booster, water recycling, vehicle lights, front lights and in-vehicle microclimate.
   - Vehicle interchangeable means old.
   - Water pressure and flow dial.
   - Emergency stop.

3. **LED panel lights enable readability in dark environments.

4. **Water Tanks**
   - Total water capacity of 1500 gallons.
   - Constructed of non-corrosive liquid polyethylene, a repairable material.
   - Tank is over designed.
   - For more aerodynamic, stainless-steel crossover enables quick filling of tanks. Replenish 1500 gallon water supply in less than 10 minutes!

5. **Water Pump**
   - Double acting, single stage hydraulic-powered water pump offers up to 1 HP to water rate and design capacity of 180 gpm and 3000 psi continuous duty.
   - 1:1 oil to water ratio and rated design capacity of 100 gpm and 3000 psi continuous duty.
   - 7” color digital display operation screen with advanced diagnostic tools and include changing capabilities.
   - Body-tilt feature enables unloading the unit where the front lights, boom lights and work lights.

6. **Debris Collector Body**
   - Total debris capacity of 12 cubic yards.
   - Cylinder-shaped body constructed of aluminum and corrosion resistant.
   - 1/4” steel to 1 1/2” tooth.
   - For improved water flow efficiency, 1 ¼” plumbing from water pump to front-mounted control panel.
   - Dual make/break connection between debris inlet pipe and boom will compensate for uneven road and ground conditions by way of spring loaded and gasketed mating connections.
   - Debris inlet pipe constructed of heavy-duty 3/8” thick AR steel bolted to the debris tank and can be replaced without cutting or welding to reassemble.

7. **Body Unloading**
   - Body-tilt feature enables unloading the unit where the front lights, boom lights and work lights.
   - Ejection system requires no high-angle elevation of the debris tank to dump the load which reduces the chance of hitting overhead obstructions.
   - Ejector plate unloading system safely and effectively removes all debris from collector body.
   - Debris inlet pipe constructed of heavy-duty 3/8” thick AR steel bolted to the debris tank and can be replaced.
   - Debris inlet pipe constructed of heavy-duty 3/8” thick AR steel bolted to the debris tank and can be replaced.

8. **Power Boom**
   - 8' hydraulic boom extension is a true telescoping "tube in a tube" design.
   - 21’ (44°) vertical lift; and 4’ (9°) downward pivot from horizontal position.
   - 217° Boom offers 26’ reach from centerline of unit.
   - Boom elbow is bolted.
   - Connexion elbow is bolted.
   - Debris inlet pipe constructed of heavy-duty 3/8” thick AR steel bolted to the debris tank and can be replaced.

9. **Vacuum System**
   - Heavy-duty, industrial size and separates down to 50 micron diameter clean-out door for easy maintenance. Cyclone has 2012 cubic inch internal operating size and separates down to 50 micron diameter clean-out door for easy maintenance.
   - 18” hydraulic extension offers maximum flexibility for manhole set-up.
   - 1500 gallon water supply in less than 10 minutes!
   - Total debris capacity of 12 cubic yards.
   - Total debris capacity of 12 cubic yards.
   - Total debris capacity of 12 cubic yards.

10. **Low Overhead Height**
    - 12 YARD SEWER CLEANER
    - Camel 1200 is available with either a Remotely Operated Accessory Package or a 7’4” Shark EXT model.
    - Camel 1200 is available with either a Remotely Operated Accessory Package or a 7’4” Shark EXT model.
    - Camel 1200 is available with either a Remotely Operated Accessory Package or a 7’4” Shark EXT model.
    - Camel 1200 is available with either a Remotely Operated Accessory Package or a 7’4” Shark EXT model.
    - Camel 1200 is available with either a Remotely Operated Accessory Package or a 7’4” Shark EXT model.
    - Camel 1200 is available with either a Remotely Operated Accessory Package or a 7’4” Shark EXT model.
    - Camel 1200 is available with either a Remotely Operated Accessory Package or a 7’4” Shark EXT model.

11. **Vacuum System**
    - Heavy-duty, industrial size and separates down to 50 micron diameter clean-out door for easy maintenance. Cyclone has 2012 cubic inch internal operating size and separates down to 50 micron diameter clean-out door for easy maintenance.
    - Vacuum system separates 1” debris to 1200 cubic in.
    - Heavy-duty, industrial size cyclone separator located between lower engine operating rpm results in lower dba levels.
    - Vacuum system separates 1” debris to 1200 cubic in.

12. **Hydraulic System**
    - 8’ hydraulic boom extension is a true telescoping “tube in a tube” design.
    - Vacuum system separates 1” debris to 1200 cubic in.
    - Vacuum system separates 1” debris to 1200 cubic in.
    - Vacuum system separates 1” debris to 1200 cubic in.
    - Vacuum system separates 1” debris to 1200 cubic in.
    - Vacuum system separates 1” debris to 1200 cubic in.
    - Vacuum system separates 1” debris to 1200 cubic in.
    - Vacuum system separates 1” debris to 1200 cubic in.
    - Vacuum system separates 1” debris to 1200 cubic in.
OUTSTANDING FEATURES, UNIQUE CAPABILITIES

**SINGLE-ENGINE DESIGN**
- Lighter weight and design capability of carrying large payloads.
- Up to 40% reduction in fuel consumption compared to dual-engine units.
- 10% lower operating cost than other single-engine units.

**FRONT-MOUNTED CONTROL PANEL**
- 10” color digital display operator screen with advanced diagnostic and trouble-shooting capability.
- Button styled keypad for user modularity, hose, vacuum, pump engagement, and data, vacuum bounce/cylinder counter-recycling, scorer remotes, boom lights and work lights.
- Various interchangeable nozzles.
- Water pressure and flow dial.
- Emergency stop.
- LED panel lights enables readability in dark environments.

**WATER TANKS**
- Total water capacity of 1500 gallons.
- Constructed of non-cross linked polyethylene, a repairable material.
- If tank is ever damaged.
- 316 stainless steel crossover enables quick filling of tanks. Replacement 1500 gallon water supply is less than 10 minutes.

**WATER PUMP**
- Double acting, single piston hydraulic-powered water pump offers 3.7 GPM and 800 psi continuous duty.
- 1:1 oil to water ratio and rated design capacity of 300 gpm and 3,000 psi continuous duty.
- 15% lower operating rpm than other single-engine units.
- Up to 40% reduction in fuel usage compared to dual-engine units.
- Lighter weight unit design capable of carrying large payloads.
- 11’ 6” overall height results in unit having a lower center of gravity for increased stability.

**VACUUM SYSTEM**
- Cyclone has 2012 cubic inch internal operating size and separates down to 50 micron diameter clean-out door for easy maintenance.
- Positive displacement vacuum pump and debris tank with a 16” debris inlet pipe constructed of heavy-duty 3/8” thick AR steel bolted to the debris tank and can be replaced without cutting or welding to replace.
- Ejector plate acts as a baffle to reduce load sloshing during unloading.
- Ejector plate unloading system safely and effectively empties the debris tank to dump the load which reduces the chance of hitting overhead obstructions.
- Dual make/break connection between debris inlet pipe and boom will facilitate the cleaner room and great conditions by way of raking loaded and gabbed-out wearing plates – no more bags and drag lines from the debris.
- Debris inlet pipe constructed of heavy-duty 3/8” thick AR steel tube in the debris tank and can be replaced without cutting or welding to replace.

**FRONT-MOUNTED HOSE REEL**
- For improved water flow efficiency, 1 ¼” plumbing from water pump to reel core.
- Reel capacity of 1000’ of 1” hose or 600’ of 1 ¼” hose.
- 18” hydraulic extension offers maximum flexibility for manhole set-up.
- 270° manual rotation facilitates manhole entry and reduces traffic disruption.
- LED panel lights enables readability in dark environments.
- Water pressure and flow dial.
- Water tank levels sensor with digital display at front-mounted control panel for easy operator viewing.

**POWER ROOM**
- If vacuum system with a heavy-duty, channel reinforced elbow allows for maximum durability. For easy replacement, the vacuum system is designed and technologically advanced water pump!
- Boom offers 26’ reach from centerline of unit; 20’ (44°) vertical lift and 15° (11°) downward pivot from horizontal operating position.
- Hydro Excavation Accessory Package Available.
- Camel 1200 is also available with a submersible water pump that raises the body to a 90° angle with a telescoping, hydraulic cylinder.
- Whether vacuum or body dock unloading, all controls for discharging debris from the collector body are located outside of vehicle cab on an external remote.

**DEBRIS BODY UNLOADING**
- Ejection – Tilt.
- Ejection system unloading system safety and effectively removes all debris from collector body.
- Internal body flush-out system makes cleaning-up fast and easy of the dump site.
- Ejection system engages on a high angle elevation of the debris tank to dump the load which reduces the chance of hitting overhead obstructions.
- Diverter elbow is bolted for maximum durability. For easy replacement, the divergence of the diverter elbow is moveable and adjustable.
- Body-tilt feature enables unloading the unit where the front of the truck does not have enough clearance, the forward section of the debris tank can raise 24” to assist in cleanout.

**DEBRIS BODY**
- Total debris capacity of 12 cubic yards.
- Cylindrical-shaped body constructed of aluminum and corrosion-resistant 1/8” stainless steel for added strength.
- Four mechanical, swivel-style, hydraulically-operated telescoping swivel rear debris tank detail. Lifting a single hydraulic cylinder engages two hydraulic cylinders for maximum lifting force, separate from door open close cylinders. Designed so tailgate will not open if hydraulic power is lost.
- Body-dump unloading system safely and effectively empties the debris tank to dump the load which reduces the chance of hitting overhead obstructions.
- Tailgate elbow is bolted for maximum durability. For easy replacement, the divergence of the diverter elbow is moveable and adjustable.
- Tailgate latches secure rear debris tank door. Latching is accomplished through a hydraulically operated mechanism that raises the body up to a 50° angle with a telescopic hydraulic cylinder.
- Debris inlet pipe constructed of heavy-duty 3/8” thick AR steel tube in the debris tank and can be replaced without cutting or welding to replace.
- Ejector plate acts as a baffle to reduce load sloshing during unloading.
- Ejector plate unloading system safely and effectively empties the debris tank to dump the load which reduces the chance of hitting overhead obstructions.
- Diverter elbow is bolted for maximum durability. For easy replacement, the divergence of the diverter elbow is moveable and adjustable.
- Body-tilt feature enables unloading the unit where the front of the truck does not have enough clearance, the forward section of the debris tank can raise 24” to assist in cleanout.

**LOW OVERHEAD HEIGHT**
- If vacuum system with a heavy-duty, channel reinforced elbow allows for maximum durability. For easy replacement, the vacuum system is designed and technologically advanced water pump!
- Camel 1200 is also available with a submersible water pump that raises the body to a 90° angle with a telescoping, hydraulic cylinder.
- Whether vacuum or body dock unloading, all controls for discharging debris from the collector body are located outside of vehicle cab on an external remote.

**Camel Maxxx**
- 12 YARD SEWER CLEANER
- Featuring the sewer industry’s most efficient and technologically advanced water pump!
Available exclusively from Super Products, the Camel 1200’s wastewater recycling system enables operators to clean sewage without the use of fresh water. And this can translate into substantial savings.

**SAVE WATER!**
Clean 2,500 feet of pipe a day; save 50,000 gallons of water a week. Good for productivity. Good for the environment.

**SAVE TIME!**
Longer on-site performance. Clean 18% more pipe a day. That’s like adding two more men to the five-day work week.

**SAVE MONEY!**
Saves wages, savings time. Saves money. Double your profits. Pay your unit off in months.

Stage one of the separation of water and debris takes place inside the debris body. All debris and affluent material enters the debris tank on the front side of the ejector plate where initial water and debris separation takes place.

During the second stage the ejector plate separates liquid from solids in the debris body. The ejector plate has small clearances and passages to allow liquid to pass to the rear side of the ejector plate, holding solids on the front side.

The third stage consists of the settling area behind the ejector plate where water accumulates for the recycling process.

Stage four relies on a centrifugal separator located on the front tank head of debris body. This separator is designed to remove particulate from the liquid via centrifugal action. The system includes an automatic continuous discharge of particles back into the debris body.

Stage five utilizes a Y-type cast-iron strainer with a stainless-steel filter element that filters the liquid prior to the high-pressure water pump.

US Patent 9,611,636 and other patents pending.

**6-Stage Wastewater Filtration Process**

1. Stage one of the separation of water and debris takes place inside the debris body. All debris and affluent material enters the debris tank on the front side of the ejector plate where initial water and debris separation takes place.
2. During the second stage the ejector plate separates liquid from solids in the debris body. The ejector plate has small clearances and passages to allow liquid to pass to the rear side of the ejector plate, holding solids on the front side.
3. The third stage consists of the settling area behind the ejector plate where water accumulates for the recycling process.
4. Stage four relies on a centrifugal separator located on the front tank head of debris body. This separator is designed to remove particulate from the liquid via centrifugal action. The system includes an automatic continuous discharge of particles back into the debris body.
5. Stage five utilizes a Y-type cast-iron strainer with a stainless-steel filter element that filters the liquid prior to the high-pressure water pump.

View the video; request your demo:
www.camelsaves.com

© 2018 Super Products LLC  3/18
Available exclusively from Super Products, the Camel 1200’s wastewater recycling system enables operators to clean sewers without the use of fresh water. And this can translate into substantial savings.

**SAVE WATER!**
Clean 2,500 feet of pipe a day; save 50,000 gallons of water a week. Good for productivity. Good for the environment.

**SAVE TIME!**
Longer on-site performance. Clean 38% more pipe a day. That’s like adding two more days to the five-day work week.

**SAVE MONEY!**
Saving water, saving time...Saves money. Double your profits. Pay your unit off in months.

6-STAGE WASTEWATER FILTRATION PROCESS

1. Stage one of the separation of wastewater and debris takes place inside the debris body. All debris and effluent material enters the debris tank on the front side of the ejector plate where initial erosion and debris separation takes place.

2. During the second stage the ejector plate separates liquid from solids in the debris body. The ejector plate has small clearances and passages to allow liquids to pass to the rear side of the ejector plate, holding solids on the front side.

3. The third stage consists of the settling area above the ejector plate where water accumulates for the recycling process.

4. Stage four includes an oscillating, self-cleaning filter screen located on the rear side of the ejector plate. The oscillation creates a counterflow and agitation of liquids and solids around it. This filter screen includes two self-cleaning spray bars. One is a low-pressure spray bar using recycled water that is constantly cleaning the outside of the screen.

5. The fifth stage relies on a centrifugal separator located on the front tank head of debris body. This separator is designed to remove particles from the liquid via centrifugal action. The system includes an automatic continuous discharge of particles back into the debris body.

6. Stage five – and final – stage consists of a Y-type cast-iron strainer with a stainless-steel filter element that filters the liquid prior to the high-pressure water pump.

US Patent 9,611,636 and other patents pending.

**WASTEWATER RECYCLING**

View the video; request your demo: www.camelsaves.com

© 2018 Super Products LLC   3/18

Super Products LLC • 17500 W. Cleveland Ave. • New Berlin, WI  53151  USA

800.837.9711 • www.superproductsllc.com

Super Products LLC • 17500 W. Cleveland Ave. • New Berlin, WI  53151  USA

© 2018 Super Products LLC  2018

800.837.9711 • www.superproductsllc.com