



Singular 2000 (mrt427)

The best treatment system

is now **even better,**

with **simplified** installation

and **competitive** pricing

The functioning of closed circuit biological liquid aspiration and disinfection system provides ultimate safety and protection to the staff responsible for maintaining highly infected areas by eliminating the need of collection, lifting, handling, pouring, disposing, direct touch with infectious waste & disinfectant remains after use in bottles, boxes, canisters etc. So there is no further assignment of discarding such infected bottles, boxes, canisters etc because of touch free operation of the unit and direct collection from the point of generation of biological liquid waste. Touch free operation not only facilitates its operation at ease alone but it allows the closed circuit disinfection of internal routing of the waste, tank and does not allow smoke & vapors to pollute the surroundings during cycle phases like collection/aspiration, disinfection, auto disinfection, discharge etc.

An optional **mrt127 Smoke Evacuator** guarantees 99.9999% antibacterial efficient evacuation of smoke generated during surgical interventions/nonsurgical procedures. Its operation under 60dB at Auto & Foot- Pedal mode with variable vacuum air flow rate up to 375 lt/ minute makes it a perfect device for its applications.

LCD touch screen with option of a secured password facilitates the user to check/control all phases, parameters and functions in real time like aspiration, fluid circulation, tank volume, disinfection inside internal tank, battery status, auto flush & disinfection, discharge, emergency stop/discharge, alarms, malfunctioning indications etc.

There are designated & marked slots for putting accessories for aspiration, discharge, inlet water and for auto disinfection. Also there are designated & marked slots for disinfectant for liquid waste and for disinfectant cup for auto flush & disinfection. To avoid errors and to achieve desired results by putting adequate quantity of the disinfectant during disinfection/auto flush & flush & flush & disinfection; the unit controls the mixing of disinfectant and puncturing of disinfectant cup electronically.

solutions in bio liquid waste treatment

Progress Through Service Since 1996. Ultimately, our success over all these years boils down to perceived, appreciated and consistently delivered service to our customers.

customer focus

Consider the facts:

- The Singulair 2000 treatment unit is certified to NSF Standard 40 and our Bio-Kinetic system is certified as a chlorine dosing system to NSF Standard 46. Underwriters Laboratories (UL) and the Canadian Standards Association (CSA) have certified and/or listed all electro-mechanical equipment and components. These listings provide you the highest safety, reliability and quality.
- Contained in a rugged, heavy duty, UV protected polyethylene tank, the Singulair 2000 treatment system weighs less than 100 pounds and can easily be installed with a backhoe.
- 4-hour retention in the Singulair 2000 system reduces tank pumping frequency as compared to other systems that have a smaller capacity.
- System operating costs are low. The only electrical component is our low RPM Singulair aerator.
- Durable, reliable components are safely installed out of sight, below grade. No exposed power cords, compressors, equipment or air lines that are above ground and accessible.
- The internal and external ribbed design assures long



term tank integrity and minimizes the potential for tank damage due to careless pumping or hydraulic forces.

- The robust design and integrally molded internal walls allow Singulair 2000 to be installed up to three feet below grade. Rotationally molded risers and lids, with tamper resistant fasteners, provide security, strength and safety.
- Single tank convenience; the Singulair 2000 contains pretreatment, aeration, clarification, filtration, flow equalization all in one compact treatment unit. The need for additional treatment system tankage is eliminated.

- **Indications:** Laboratory, Hospital, Pharma Industry and all allied fields
- Automatic PLC based closed circuit biological liquid aspiration and disinfection system
- **Motor:** 1725 rpm, 230V
- Graphical & Numerical LCD display of all parameters
- Mains/Battery Operated (minimum 30 minutes backup enabling its working at the point of need; battery automatically charges when connected with mains supply)
- Automatic Discharge of liquid after disinfection up to 22 lt./min
- Automatic Aspiration with Disinfection in real time.
- Automatic Discharge of liquid without disinfection up to 22 lt./min
- Auto stop with alarm when the tank is full
- Alarm for each and every vital parameter like disinfection, functioning of Singulair 2000 (mrt 427), liquid inside tank, fluid circulation etc.

- Emergency Stop
- Emergency Discharge before/ after disinfection
- Auto flush & disinfection feature of tank and internal network makes it friendly & absolutely safe to user
- Flow/aspiration Rate 5 – 12 lt./min (Continuous Mode & Intermittent Mode on battery mode besides mains)
- Weight 50kg.
- UV stabilized high density polyethylene tank (52 lt.)
- Internal tank (1.0 lt.) for disinfectant
- Auto/Manual mode for dosing of disinfectant
- Option for the installation on stand with wheels & castors with brakes (F.O.C) makes it mobile/transportable
- Each unit is supplied with a kit of disposables/ consumables comprising of filters, bottle & cup of certified disinfectant. The same consumables can be ordered separately

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Certified company and approved by QRO System quality
ISO Certificates 13485:2016 and 9001:2015