

Santa Monica College



Custodial Operations Green Cleaning Program

Statement of Purpose	02
Submittals	03
1. Introduction	03
2. Staff Training	03
3. Requirements & Product Recommendations	04
3.1 Cleaning Practice Requirements	04
4. Cleaning Procedures	05
4.1 Reducing chemical use	05
4.2 Storage Requirements for Cleaning Products	05
4.3 Product dilution	05
4.4 Reducing dust and dirt	05
4.5 Reducing microbial growth	06
4.6 Restroom cleaning	06
4.7 Food eating areas	07
4.8 Prohibited Practices	07
4.9 Disposal Requirements	08
4.10 Packaging	08
5. Approved Chemicals	08
5.1 Approved Chemicals	08
5.2 Cleaning Products	08
5.3 Paper Products	09
5.4 Floor Care	10
6. Prohibited Chemicals	11
7. Approved Practices	10
8. Prohibited Practices	11
9. Grounds Care Requirements	12
9.1 Reducing Chemical Use	12
9.2 Reduction of Airborne Particulates and Fumes	12
10. Mechanical Systems Operational Requirements	12
11. References	14

Statement of Purpose

At Santa Monica College, it is our intent to build, renovate and maintain sustainable facilities. As part of this effort, the Custodial Operations Department (District) has developed a green cleaning program that shall be referred to as the “Green Cleaning Program,” (GCP) and shall be instituted at all District owned facilities. The GCP includes the use of green cleaning chemicals, employing cleaning processes that benefit public health and the environment, and purchasing environmentally preferable janitorial products and equipment. The product recommendations included in this plan are meant to provide current examples of acceptable cleaning products; however, substitute products may be used, provided they meet the criteria set forth in this plan.

There are two primary benefits to “green” cleaning methods. First, selecting products that do not contain environmental contaminants reduces the ecological impact of cleaning products that end up down the drain and therefore merging with the local water systems. Second, cleaning practices that take environmental principles into account improve indoor air quality for building occupants, faculty and staff. The result is a decrease in building-related illness, greater productivity, and reduced liability for the District. Green cleaning (housekeeping) is shown to reduce suspended particles, volatile organic compounds, as well as bacteria and fungi. The GCP also includes operational standards to ensure effective equipment performance, and some energy conservation. Training, involvement and close collaboration with student constituent groups, faculty, staff and the community are also key components of the program’s promoting environmental principles beyond the college borders.

This plan serves two primary functions. First, the plan informs Facilities Managers and educates the custodial operations staff on how to achieve “green cleaning/ housekeeping” requirements. Second, the plan serves as the US Green Building Council (USGBC) LEED submittal to demonstrate that the intent for a “green cleaning & housekeeping” IEQ requirements of LEED has been met.

The USGBC has stated the intent for a “green cleaning/housekeeping” innovation credit as *“Reduce exposure of building occupants and maintenance personnel to potentially hazardous chemical, biological and particulate contaminants that adversely impact air quality, occupant well being, and the environment.”* The Custodial Operations department must demonstrate that a “comprehensive green cleaning/housekeeping program is in place with clear performance goals” in order to receive this innovation credit. To show that these requirements are met, the USGBC requests, and this plan provides, the following:

Submittals

1. A contract for operations staff, including a written program for training and implementation.
2. A clear set of acceptable performance standards such as Green Seal Standard GS-37 or California Code of Regulations, Title 17 Section 94509 "VOC Standards for Cleaning Products".
3. Documentation of the program's housekeeping policies and specifications, including a list of approved and prohibited chemicals and practices.

1. Introduction

The Santa Monica College's Custodial Operations Department (COD) is committed to providing a healthy environment that is conducive to student learning and employee productivity. The COD also recognizes its social responsibility to protect natural resources for future generations. As a result of this commitment to students, faculty, staff and the environment, the COD has developed this Green Cleaning Program.

The GCP approach consists of six essential components; products, equipment, processes, certification, audit and collaboration. It includes use of chemicals and equipment that have been certified as environmentally preferable by independent organizations such as Green Seal and the Carpet and Rug Institute. Integrated Pest Management and Recycling are additional components considered in the GCP.

The COD places high strategic value on maintaining sustainable operations and therefore will continue to monitor our facilities for adherence to LEED for Existing Buildings criteria by performing regular quality assurance inspections and having a survey on our district webpage for collecting occupant feedback; continuous improvement ; evaluating new technologies, procedures, and processes. Additionally, quality assurance inspections are performed daily by lead custodial staff and as scheduled by supervisors. All staff is subject to regular performance reviews.

This program will be fully implemented when students, faculty and staff recognize, understand, and celebrate the GCP and commence imparting these concepts beyond our college.

2. Staff Training

Training will be provided to all cleaning staff for all methods and products described within this plan. A Safety Manual will be available on site and accessible to all staff members. Safety Manual shall include contact information to direct product questions, emergency contact for hazardous event (such as a spill), MSDS for all products, and step-by-step instructions for proper use of each product (including use, dilution, and disposal). If cleaning staff is non-English speaking, then Training and Safety Manual will

have a multi-lingual format. Training for proper use of specific products will be provided through the product manufacturer or distributor if offered. Training will include, at a minimum:

- a. General orientation
- b. Review of this plan including intent, procedures, and products; incorporated into semi-annual staff training
- c. On-site supervised training
- d. General cleaning practices and techniques
- e. Use and care of housekeeping equipment and supplies
- f. Housekeeping chemicals
- g. Review of Safety Manual and where it is located for reference
- h. Review of universal warning symbols pertaining to hazardous substances and waste
- i. Instruction on how to read a material safety data sheet (MSDS)

Where applicable our procurement standards and required training will be provided to appropriate managers and District buyers. Procurement training will include, at a minimum, review of the requirements in this plan and all referenced standards. Checklists will be provided and posted on site for cleaning staff that describe procedural requirements in accordance with this plan.

3. Requirements & Product Recommendations

3.1 Cleaning Practice Requirements

The GCP objectives for maintaining the interior space of facilities are to maximize the amount of pollutants extracted, minimize worker/occupant exposure to harmful contaminants and cleaning residues, minimize the amount of chemicals, particles, and moisture accumulated and/or released into the air by the cleaning process, and dispose of cleaning waste in an environmentally responsible manner.

To ensure that these objectives are accomplished, the COD assigns:

- a. All cleaning duties and responsibilities are assigned when District facilities are closed, except in daytime emergencies situations. The primary cleaning staff is assigned to a 10:00pm to 6:30am shift when the campus is closed to students and staff.

Additionally

- b. All cleaning procedures meet green standards

- c. All chemicals are green seal certified
- d. The custodians have individual cleaning assignments which allow them to be familiar with the physical and environmental needs of the facility. This maximizes the quality, quantity and consistency of green building practices.

4. Cleaning Procedures

4.1 Reducing chemical use

The goal is to minimize occupant and worker exposure to aggravating or harmful chemicals released into the indoor environment during cleaning processes. Particular attention is given to floor maintenance procedures that minimize or eliminate chemical use.

- a. Apply durable floor finishes; deep-scrub with floor cleaner and re-coat finish as necessary (avoid the use of floor strippers)
- b. Scrub floors regularly to remove dirt and embedded marks in floor finishes (to reduce the need for stripping); perform floor scrubbing when students and other occupants are not present in the immediate area
- c. Ensure cleaning schedule meets actual needs to avoid redundant cleaning
- d. Use micro fiber mops and cloths that do not require application of chemicals, and which reduce the use of disposable paper towels 7/2011
- e. Spot clean with scouring pad first; use cleaning solution only as required

4.2 Storage Requirements for Cleaning Products

- a. Containers will be securely closed when not in use
- b. Storage areas that contain cleaning products will be fully ventilated
- c. Custodial closets and storage areas will be kept clean and free of standing water
- d. Used cloths and wet mops will be rinsed after each use; hung up to dry (do not leave wet items in sinks or buckets)
- e. Dispensing equipment that minimizes worker exposure will be used

4.3 Product dilution

- a. Dilute all concentrated cleaning chemicals per manufacturer recommendations for each application
- b. Use lowest concentration possible for each application

4.4 Reducing dust and dirt

Effective dusting, dust mopping, and vacuuming thoroughly captures dust particles and prevents them from circulating into the air, moving to other surfaces, or being drawn into ventilation equipment.

- a. Provide “walk off” mats at each outside door; vacuum and spot clean “walk off” entryway mats daily and use carpet extractor with wand attachment weekly – *proper and frequent entryway cleaning reduces outdoor contaminants from being spread throughout the building, which extends the longevity of the flooring systems and reduces the need for floor maintenance tasks (such as stripping and applying additional coats of floor finish)*
- b. Replace mats when there is visible surface wear
- c. Vacuum or damp-mop instead of sweeping
- d. Use vacuum cleaners that meet the standards for CRI Green Label
- e. Change vacuum bags when they are 3/4 full; check bags prior to each use
- f. Use a damp cloth or micro fiber cloth to remove dust
- g. Use burnishers or high-speed buffing machines that are equipped with vacuum attachments and dust prevention skirts.

4.5 Reducing microbial growth

- a. Wet-cleaning equipment for carpets should have high-quality extractors that leave carpeting dry to prevent microbial growth
- b. Apply disinfectants where/when required; allow 3-5 minutes for disinfectant to take effect prior to cleaning.
- c. Use all purpose cleansers instead of bleach to remove microbes
- d. Change micro fiber mops and cloths on a regular basis; at a minimum, replace mop heads and cloths daily, wash and rinse thoroughly after each use, or when they smell or show visible dirt, even when rinsed thoroughly
- e. Ensure that mops are allowed to dry completely between uses; mops should be hung in janitorial closet on hooks provided, *not* stored in buckets or slop sink
- f. Clean areas where water collects or condenses

4.6 Restrooms

4.6.1 Cleaning

Effective restroom cleaning procedures remove harmful germs and bacteria that may be present on door handles, fixtures, walls, floor and floor drains, and other surfaces. All of these must be cleaned and disinfected regularly to prevent the spread of contagious illnesses. Since restrooms are heavily used, there must be a schedule to ensure that they are refreshed frequently. Refresher schedules shall include restocking of hand soap and hand sanitizer, toilet paper, and paper towels, as well as spot cleaning where required.

- a. Clean daily all: floors, counter tops, basins, toilet partitions, toilets, urinals, light switches, mirrors, door knobs, and showers
- b. Disinfect floors, counter tops, basins, toilets, urinals, and showers daily (after cleaning)
- c. Ensure floor drains are operating properly

4.6.2 Hand Hygiene

- a. In addition to effective cleaning and refreshing of all rest rooms, there must be a concerted effort to promote and improve hand washing. The district will consider adding appropriate signage in rest room promoting hand washing

4.7 Food eating areas

- a. Clean daily all: floors, counter tops, basins, equipment, light switches, and door knobs/ panic bars.
- b. Disinfect floors, counter tops, and basins daily (after cleaning)
- c. Clean all surfaces that come in contact with food preparation after each meal or use; keep free of food scraps and debris
- d. Clean tables and chairs (top and underside) after each meal or use; disinfect after cleaning
- e. Keep floors clean, free of food scraps, debris and any signs of bio-contamination; clean at least once daily
- f. Ensure floor drains are operating properly and odor-free; flush clogged drains with hot water to remove clog
- g. Trash receptacles are to be tightly covered and emptied at least once daily (or when full); do not allow trash to overflow

- h. Inspect all food preparation and eating areas for evidence of insects, rodents, or bio-contamination (such as mold)

4.8 Prohibited Practices

Do not mix products that contain chlorine (or chlorinated compounds) with those that contain ammonia

- a. Cleaning Frequency Schedule and Checklist

Checklists, such as the one shown in Section B, shall be used in training cleaning staff and as a task checklist on cleaning carts.

4.9 Disposal Requirements

- a. Excess product
 - i. Use all cleaning products until containers are completely empty
 - ii. Use products with expiration dates prior to expiration
 - iii. Dispose of all excess product in accordance with manufacturer instructions

4.10 Packaging

- a. Recyclable packaging includes, at a minimum, white office paper, mixed paper, Press board, corrugated cardboard, plastics #1 (PET) and #2 (HDPE), metal, and glass
- b. Recycle all packaging in designated recycling area

5. Approved Chemicals

5.1 Chemicals

Chemicals that are approved for use must be Green Seal (GS) Certified, which means that they are in accordance with the GS-37 (Industrial and Institutional Cleaners), GS-09 (Paper Products), or GS-40 (Floor Care) performance standards. A list of currently approved products is below. This list is constantly evolving as new products become certified under these standards.

5.2 Cleaning Products

Any GS-37 cleaning product is approved for use in the building. Because SMC is trying to consolidate its purchasing to a select number of vendors, the following list contains a few of the major product manufacturers that are easily obtained through our current vendors.

Manufacturer	Product
3M	Twist 'n Fill #1 Glass Cleaner Twist 'n Fill #3 Neutral Cleaner Twist 'n Fill #4 Bathroom Disinfectant Cleaner Twist 'n Fill #8 General Purpose Cleaner Twist 'n Fill #24 3-in-1 Floor Cleaner
Butchers	G-Force Washroom Cleaner G-Force All-Purpose & Glass Cleaner Look Non-Ammoniated Glass Cleaner Raindance Neutral Cleaner G-Force H2O2 Multi-Surface Cleaner
Hillyard	Industries #140 Super Shine-All #808 Arsenal Super Shine-All #960 Green Select Glass Cleaner #827 Arsenal Green Select Glass Cleaner #961 Green Select Degreaser #828 Arsenal Green Select Degreaser #962 Green Select Bathroom Cleaner #829 Arsenal Green Select Bathroom Cleaner #833 Arsenal Suprox Concentrate
Johnson Wax Professional	Stride-Citrus Neutral Cleaner Stride-Floral Neutral Cleaner Professional Crew Bathroom Cleaner & Scale Remover General Purpose Cleaner Glance Non-Ammoniated Glass Cleaner Concentrated All Purpose & Glass Cleaner Heavy Duty Washroom Cleaner Non-Ammoniated Glass & Surface Cleaner Glass & Multi-Purpose Cleaner Non-Ammoniated Alpha-HP Multi-Surface Cleaner
Maintex	Shimmer Disinfecting Cleaner Glacier Glass & Surface Cleaner Pristine All Purpose Surface Cleaner Trailwinds Neutral Cleaner
Rochester Midland	Enviro Care Tough Job Cleaner Enviro Care Glass Cleaner Enviro Care Washroom Cleaner Enviro Care Low Foam All Purpose Cleaner

5.3 Paper Products

Green Seal certified and recommended products will be used in the building, however, Green Seal Certified products are preferable to Green Seal Recommended products.

Unbleached products with a high post consumer waste content are preferred. Many other allowable brands exist, but only major brands that can be purchased through our current vendors are listed. Refer to “Green Seal , Choose Green Report: Bathroom Tissue and Paper Towels” available at http://www.greenseal.org/recommendations/CGR_tissuetowel.pdf or contact manufacturer for more information on products, such as percent of post-consumer recycled content.

Manufacturer	Product	Green Seal Status
Bay West	EcoSoft Roll Towels Certified	
	EcoSoft Folded Towels	Certified
	EcoSoft Toilet Tissues	Certified
	EcoSoft Toilet Specialty Products	Certified
Kimberly Clark	Scott Coreless Toilet Tissue	Recommended
	Hard Roll Towels (KC or Scott brand)	Recommended
	Scott Multifold Brown Towels	Recommended
Georgia Pacific	Envision Paper Towels	Recommended
	Acclaim Economy Level Paper Towels	Recommended
SCA Tissue	Encore Paper Towels	Recommended
	Second Nature	Recommended

5.4 Floor Care

Green Seal Certified (GS-40) products are preferred. At the time of writing, no products had been certified yet, but the following products are recommended by Green Seal in their Choose Green Report: Floor-Care Products dated June 2004 because they do not contain the prohibited ingredients. Products with low VOC concentrations are preferred.

Floor Finishes

Manufacturer	Product	VOC concentration
Enviro Solutions	High Gloss Finish #80	1-5%
	High Traffic Floor Finish #96	1-5%
Hillyard Industries	Super Hil-Brite	1.1-2%
Johnson Diversity, Inc.	Butcher’s Neon Floor Finish	3%
	Johnson Wax Professional ZF1500+	
	UHS Floor Finish	3%
Maintex	Dura ZF	< 1%
Pioneer Eclipse	Envirostar Green Floor Coating	2.6%
Rochester Midland	EC Resilient Tile Coating	5.1%
Spartan Chemical Company	Green Solutions Floor Seal & Finish	0.5%
Waxie	Innovation	< 1.0%

Floor Strippers

Manufacturer	Product	VOC concentration
Enviro Solutions	ES-85 Scrub Free Floor Stripper	3.9%
Fuller Brush	T.E.T. Power Stripper	4.2%
Maintex	Trends	< 2.5 RTU
Pioneer Eclipse	Envirostar Green Floor Stripper	0%
Rochester Midland	Enviro Care Floor Finish Remover	2.4%

Trash Bags and Liners

Recycled content trash bags should be used whenever possible. Green Seal does not recommend products and no set standards exist. Many products are on the market, and there are too many to list. Our current contract with Waxie provides for a minimum of 10% recycled content in all supplied liners.

Trash Bags/ Liners

Manufacturer	Product
FORTUNE PLASTIC LINERS	24"X24" TRASH LINERS
	33"X40" TRASH LINERS
REPUBLIC BAGS	40"X48" TRASH BAGS

6. Prohibited Chemicals

The following chemicals are prohibited, in accordance with GS-37 and GS-8 standards.

- Alkyl phenol ethoxylates (APEs)
- Phthalates
- Dibutyl phthalate
- Heavy metals including arsenic, lead, cadmium, cobalt, chromium, mercury, nickel, or selenium
- Optical brighteners & chlorine bleach (sodium hypochlorite)
- Ozone-depleting compounds
- Ethylene diamine tetra acetic acid (EDTA)
- Nitilotriacetic acid (NTA)
- Petroleum or petrochemical compounds
- Phenol compounds and glycol ethers
- Volatile Organic Compounds (VOCs) (must be less than 10%)
- Carcinogens and reproductive toxins

The following ingredients are found in floor care systems and are prohibited (in addition to the above list):

- Zinc
- 2-Butoxy ethanol (EGBE)
- Aqueous ammonia
- 2-Methoxyethanol or ethylene glycol monomethyl ether (EGME)

- 2-Ethoxyethanol or ethylene glycol monomethyl ether (EGEE)

7. Approved Practices

Approved practices are ones that limit the amount of dirt entering the building, help to improve indoor air quality, reduce their impact on the environment, and minimize the amount of cleaning chemicals that are needed and reduce overall waste due to cleaning.

- Entrance matting systems to prevent soil from entering the building.
- Micro fiber cloths will replace disposable paper towels to minimize waste.
- Recycled cotton cloths can also replace paper towels to minimize waste.
- Micro fiber dry mops will replace chemically treated dry mops to minimize chemical and water use.
- HEPA or high-filtration vacuums to improve indoor air quality.
- Dilution control systems to allow for the use of concentrated products to minimize packaging and the environmental effects associated with shipping diluted chemicals.
- Floor care systems: Unfinished floors are preferable, to eliminate the need to seal or finish the floors. Green Seal certified finishers are recommended if finishing is needed.
- Trash liners should only be replaced when necessary; garbage should be dumped into the main trash barrel and liners should be left in the receptacle if they are clean.

8. Prohibited Practices

- Non-concentrated products should not be used.
- Paper towels should not be used for cleaning.
- Trash liners should not be removed if they are clean.
- Automatic aerosol deodorizers that contain high levels of VOCs are prohibited.
- Urinal blocks are prohibited.
- Chemically treated dust cloths are prohibited.

9. Grounds Care Requirements

The SMC Grounds department's objectives for maintaining grounds are to remove hazards (such as broken glass and other trash), minimize the amount of pollutants released into the air and grounds, and minimize the noise.

9.1 Reducing Chemical Use

- a. An integrated pest management policy (MCPS ECF-RA) promotes the use of alternatives to chemical pesticides; when non-chemical methods are not available

or prove ineffective, use nontoxic or least toxic pesticide options. School inspections are performed and notifications issued to ensure that staff and contractors act in accordance with these regulations.

- b. Minimize the use of herbicides (weeds may be removed by hand)

9.2 Reduction of Airborne Particulates and Fumes

- a. Do not use a blower to remove normal to average accumulation of dust and debris near building entrances. Instead, sweep or hose down.
- b. Do not use a mechanical mower on areas where ground cover is shorter than 1 inch or where dirt is exposed
- c. Use battery powered equipment
- d. Grounds waste should be left in designated areas for pick up

10. Mechanical Systems Operational Requirements

Regularly scheduled preventative maintenance on HVAC systems will be documented to ensure healthy, indoor air quality, climate control and longevity of equipment. Building Maintenance Plans will be in place to document preventative maintenance routines, indoor air quality assessments, schedules of required tasks, i.e. filter changes, lubrication and calibration, service records on ventilation systems, proper operating values, and log sheets.

References:

Custodial Staffing Guidelines for Educational Facilities, APPA, second edition

USGBC LEED Reference Guides for LEED-NC version 2.2, LEED-CI version 2.0, LEED-EB: O&M

USGBC Website, Products, Green Manufacturers and Products

Montgomery County Public Schools, HHPC plan on Green Cleaning, 2006

LACCD, Sustainable Design Standards, May 2009

California Code of Regulations, Title 17, Division 3, Chapter 1, Subchapter 8.5 , Article 2

Maintex, Inc. City of Industry, California 91746

CRI, Website on certified floor care equipment

Santa Monica College – Current Janitorial Green Seal Product Line



New Green Products

Maintex has introduced the High Sierra Product line which has been formulated to minimize the impact on workers and building occupants while delivering the highest level of cleaning performance. The High Sierra line contains environmentally preferred chemical components such as Hydrogen Peroxide and safer solvents that have replaced traditional harsh acids and other hazardous ingredients. Maintex is pleased to announce the High Sierra product line has been certified by Green Seal to comply with the applicable GS-37 and the GS-40 requirements.

Green Seal is an independent, non-profit organization that uses science-based standards and the power of the marketplace to create a more sustainable world. Green Seal has developed stringent environmental and performance standards for industrial/institutional floor care and cleaning products referred to as GS-37 & GS-40 Standards.

Pristine -High Performance Cleaner/Degreaser

A powerful cleaner/degreaser that will clean a wide range of surfaces including walls, tile, floors, countertops, kitchen appliances, machinery and any water washable surface.

Available in Gallon #164404 and half gallon #164464

Glacier -Concentrated Streak-Free Glass & Surface Cleaner

A user-safe, environmentally preferable glass and surface cleaner formulated with hydrogen peroxide and safer solvents. Designed to leave windows, glass, plexiglass, windshields and light fixtures crystal clear and streak free. Leaves no residue.

Available in Gallon #180304 and half gallon #180364

Trailwinds -Floor Cleaner

A user-safe, environmentally preferable floor cleaner formulated with hydrogen peroxide and safer solvents. Will not dull floor finish.

Available in 5 Gallon #120105, Gallon #120104 and half gallon #120164

Shimmer -Concentrated Restroom & Multipurpose Cleaner

A high performance cleaner that will remove unpleasant odors, soap scum, body oils and urine deposits which are common in restroom environments.

Available in Gallon #143204 and half gallon #143264

Trend ES -Environmental Floor Stripper

A highly effective concentrated floor stripper designed for the removal of Dura ZF Zinc Free Floor Finish. Non-Corrosive, low odor makes this product safer for workers and building occupants.

Available in 5 Gallon #111905 and Gallon #111904

Dura ZF -Zinc Free Floor Finish

An extremely durable Zinc Free floor finish that produces excellent gloss and wear characteristics. Finish is high speed buffable (dust controlled units are preferred for indoor air quality) and exhibits increased gloss with repeated buffing. Scuff and black mark resistant.

Available in 5 Gallon #121505 and Gallon #121504

Impact ES -Environmental Extraction Cleaner

A concentrated extraction solution for use in carpet extraction equipment. Can also be used as a prespray.

Available in Gallon #151804 and half gallon #151864

Santa Monica College –Green Floor Care Equipment - Vacuums



Model/Configuration	Usage/Type	Provider/Manufacturer
---------------------	------------	-----------------------



CoachVac Micro Lined Inner Bag	Commercial Backpack	ProTeam Boise, ID 800-541-1456 Visit Website
--	------------------------	---



The Latest Advances in Back Pack Vacuum Design

Comfort, performance and durability are a necessity for increased productivity. The MAINTEX PROFESSIONALS' CHOICE Back Pack Vacuum delivers all three and much more. Superior ergonomic backrest improves comfort and reduces fatigue. The powerful and reliable Amtec vacuum motor coupled with the new tank design enhances airflow and performance. Unit comes with a complete tool kit.

- Tank design provides 40% more airflow
- Amtec motor
- Converts to blower for air sweeping
- Built-in debris deflector
- Ergonomic backrest
- 5 year warranty on tank and motor