OPTIMA STEAMER™

The world's best-selling dry steamer in its class



STEAMERICAS

Why Dry Steam?

- Conserve Water
- Save on chemicals
- Clean and sanitize hard-to-reach areas
- Little to no waste-water runoff or overspray
- Safe on water/pressure sensitive surfaces
- Naturally sanitizes = organic and kosher cleaning
- Better penetration on porous surfaces than liquid-based cleaning
- Removes dirt, stains, odors, grease, bacteria, mold, yeast and more
- Steam by itself can clean, sanitize and sterilize if used correctly
- No need for large water and recovery tanks
- Quick dry time
- Flexible applications - CIP, COP, SIP, SOP
- Bypass permits and drainage, reclamation requirements
- Clean almost anything, anywhere







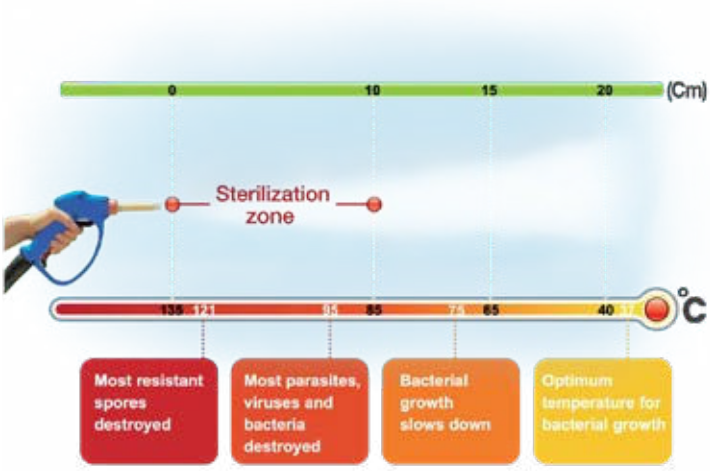




Sanitizing with Steam

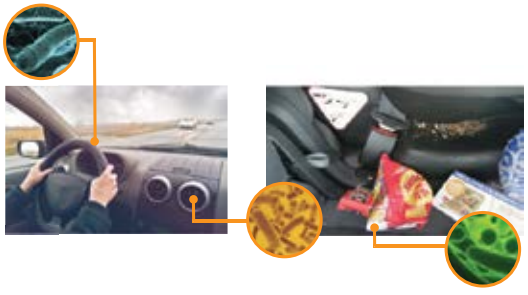
Steam is safe on various surfaces and it is especially effective on hard-to-reach, uneven or porous surfaces. It is easy to control the temperature by increasing or decreasing the distance between the steam gun and cleaning surfaces.













Why people choose the Optima Steamer™?

Superb performance and boiler technology

- Powerful and consistent steam supply
- Patented steam boiler and burner system superheats to dry steam vapor quickly and efficiently*
- Capable of adjusting moisture of output from dry to saturated steam

Flexible operation and endless applications

- Allows 2 operators to work simultaneously with no loss in cleaning power
  (*5K/12K models intended for 1 operator only*)
- Direct water hook-up and onboard water tank
- Moisture control valve
- Longest hose length in the dry steam industry
- Diverse accessories

Ease of use and maintenance

- User-friendly display and operation
- All units on wheels - portable and mobile
- Easy-access to internal parts for DIY maintenance

Eco-friendly and low-cost operation

- Having no engine and a non-idling burner means lower emissions, less noise and better fuel consumption*
- Using steam to clean means you'll see and incredible reduction in water and checmical costs

Safety, quality and performance assurance

- Multi-stage, redundant safety features protects operators and your investment
- Certificates and conformity to major international standards (UL, CSA, ASME**, CE, Inmetro etc)
- Proven efficacy on food pathogens and microorganisms supported by 3rd-party laboratory testing and certificates

Customer-centered service

- Product demos and service through national dealer network
- Prompt US-based part supply
- Our family of thousands of repeat customers makes the Optima Steamer™ the best-selling dry steamer of its class, in the world.

**applies to diesel models* ***applies to electric models*



XD / XE

The newest model Optima Steamer sporting a number of upgrades including a user-freindly LCD screen



DMF / EST

The "Original" Optima Steamer in both Diesel-Electric and All-Electric 3-Phase



SE-II

Top-of-the-line food grade Stainless Steel body, all-electric powered Optima Steamer

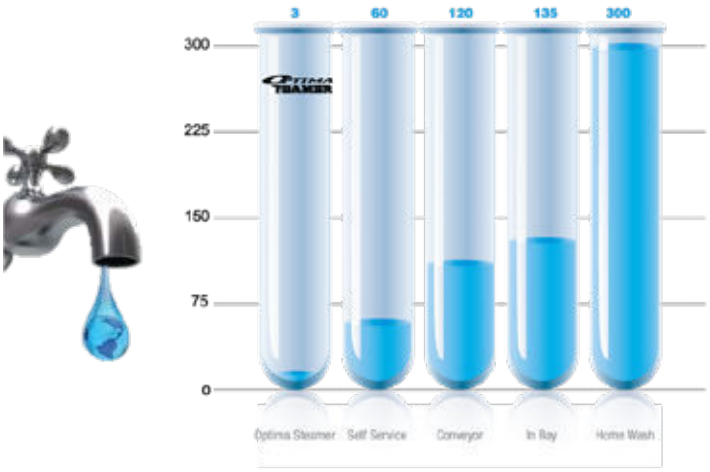
Vehicle Washing and Detailing

Benefits of Steam Car Wash

Conventional methods for cleaning the exterior of a vehicle—such as pressure washing or handwashing—require lots of water, harsh detergents and waste water disposal facilities, yet you'll still need separate tools and supplies to clean the interior.

With today's widespread water shortages and the tightening regulations, or if you simply want to run a mobile car wash business and can't bring hundreds of liters of water with you to the job, "steam car wash" is quickly becoming the new standard for smart, efficient and profitable car wash and detailing.

Average water consumption per car wash type (Liters)





Wineries, Breweries and Distilleries



Weed Removal





Specialty Cleaning





Food Processing





Graffiti and Gum Removal





OPTIMA STEAMER XD & XE



Our most user-friendly Optima™ to date.

Popular Applications:

Optima XD

- Mobile cleaning business
- Exterior & interior vehicle cleaning and sanitization
- Surface decal and film removal
- Sculpture and monument cleaning
- Disaster recovery

Optima XE

- Commercial cleaning
- Auto repair and body shops
- Animal holding facility sanitation
- Nursing homes and daycare sanitization
- Cleanroom maintenance













Features of the Optima Steamer™ XD/XE



User-friendly LCD display

LCD display helps users see the operating status, error messages and maintenance alerts in real time.



Tank level windows

In addition to low level sensors, water and fuel tanks have windows for physical level visibility.



Easy maintenance

Quick access to the machine via the toolless-open top cover make maintenance and repairs quick and easy



Emergency stop button

In addition to multiple stage safety features, a single, easy-to-spot stop button enhances safety of employees and the machine in case of emergency.

Product Specifications

Model	XD	XE 12K	XE 18K	XE 27K
Heating Source	Diesel Burner	Electric Heaters		
Voltage Options	100-240V	3-phase, 208~600V		3-phase 380~600V
Power Consumption	0.3kW	12.2kW	18.2kW	27.2kW
Steam Pressure	8.5 bar (124 psi) [Max. 9.5 bar (138 psi)]			
Spraying Temperature	135ºC (275ºF)	135ºC (275ºF)		
Boiler Temperature	178ºC (352ºF)	174ºC (345ºF)		
Flow Rate	300~1,200cc/min (0.08~0.31gal/min)	300~600cc/min (0.08~0.16gal/min)	300~900cc/min (0.08~0.24gal/min)	300~1,200cc/min (0.08~0.31gal/min)
Preheating Time	3 minutes	8~10 minutes	6~7 minutes	
Fuel Consumption	Avg. 1~2L/hr (0.26~0.5 gal/hr) [Max. 4.1 L/hr (1.1gal/hr)]	—		
Fuel Tank Capacity	36L (9.5gal)	—		
Water Tank Capacity	36L (9.5gal)	72L (19gal)		
Boiler Material	304 Stainless Steel			
Pipe Materials	Stainless Steel, Brass, Copper, Teflon			
Body, Frame Materials	Polypropylene, Polyethylene, Steel (SS400)			
Net Weight	87kg (196lbs)	78kg (171lbs)		87kg (196lbs)
Unit Dimensions	66 x 100 x H89cm (25.9 x 39.3 x H35”)			
Available Color(s)	Red			
# of Hoses and Guns	2 sets	1 set	2 sets	

Accessories

Included Items:



Standard Steam Gun w/ 3.5mm Nozzle



Quick-Connect Steam Gun



Premium Steam Hose 10m (33’)

XE 12K only:



Standard Steam Gun w/ 3.5mm Nozzle



Premium Steam Hose 10m (33’)

OPTIMA STEAMER DMF & EST



The “Original” Optima Steamer™:

The world’s best-selling dry steamer in its class

Popular Applications:

Optima DMF

- Mobile car wash and detailing
- Commercial kitchen and food truck cleaning
- Solar panel cleaning
- Graffiti and gum removal
- Weed removal

Optima EST

- Commercial cleaning
- Animal holding facility sanitation
- Phosphating, pretreatment for painting and coating
- Hospital fixture, equipment and mobility aids sanitization
- Food transporter sanitization









Features of the Optima Steamer™ DMF/EST



Heat-efficient steam vessel (DMF)

The Optima’s reversed burner system superheats the boiler, producing drier vapor. Air-Wall Technology™ reuses hot exhaust as insulation.



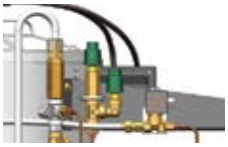
Energy-efficient steam vessel (EST)

Equipped with customized 3-phase heating elements that are powered only as needed, the EST quickly and efficiently produces continuous dry-vapor steam.



Endless possibilities

With sturdy wheels, a large onboard water tank, and long hoses standard, the Optima Steamer™ adapts to any cleaning situation.



Enhanced safety features

Double pressure switches, temperature monitors, a fail-safe pressure release valve, and various system monitors ensures user and machine safety with every use.

Product Specifications

Model	DMF	EST 12K	EST 18K	EST 27K
Heating Source	Diesel Burner	Electric Heaters		
Voltage Options	100-240V	3-phase, 208~600V		3-phase 380~600V
Power Consumption	0.3kW	12.2kW	18.2kW	27.2kW
Steam Pressure	8.5 bar (124 psi) [Max. 9.5 bar (138 psi)]			
Spraying Temperature	135ºC (275ºF)	135ºC (275ºF)		
Boiler Temperature	178ºC (352ºF)	174ºC (345ºF)		
Flow Rate	300~1,200cc/min (0.08~0.31gal/min)	300~600cc/min (0.08~0.16gal/min)	300~900cc/min (0.08~0.24gal/min)	300~1,200cc/min (0.08~0.31gal/min)
Preheating Time	3 minutes	8~10 minutes	6~7 minutes	
Fuel Consumption	Avg. 1~2L/hr (0.26~0.5 gal/hr) [Max. 4.1 L/hr (1.1gal/hr)]	—		
Fuel Tank Capacity	20L (5.3gal)	—		
Water Tank Capacity	20L (5.3gal)	40L (10.6gal)		
Boiler Material	304 Stainless Steel			
Pipe Materials	Stainless Steel, Brass, Copper, Teflon			
Body, Frame Materials	Polypropylene, Polyethylene, Steel (SS400)			
Net Weight	86kg (189lbs)	74kg (163lbs)		83kg (183lbs)
Unit Dimensions	70 x 109 x H90cm (27.5 x 42.9 x H35.4”)			
Available Color(s)	Green, Red, Blue	Green		
# of Hoses and Guns	2 sets	1 set	2 sets	

Accessories

Included Items:



Standard Steam Gun w/ 3.5mm Nozzle



Quick-Connect Steam Gun



Premium Steam Hose 10m (33’)

EST 12K only:



Standard Steam Gun w/ 3.5mm Nozzle



Premium Steam Hose 10m (33’)

Optima Steamer SEII

Stainless Steel electric steamer designed for industrial sanitization



Popular Applications:

- Food & beverage processing, equipment and facility sanitization
- Food packaging and bagging equipment
- Wineries, breweries and distilleries
- Chemical-free sanitation of conveyor belts, mixers, weighers, slicers, cutting tables, and more
- Food pasteurization equipment
- Manufacturing (CNC) & HVAC equipment cleaning and maintenance
- Cleanroom maintenance
- Food transporter sanitization
- Phosphating, pretreatment for painting and coating








Benefits of the Optima Steamer™ SEII



Sanitize in hard-to-reach areas

Dry steam can clean nooks and crannies in legacy equipment without sanitary design, harborage sites, water and pressure-sensitive parts and surfaces.



User-friendly LCD display

LCD display helps users see the operating status, error messages and maintenance alerts in real time.



Simplified process

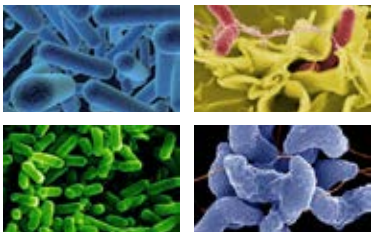
With no drainage requirement, bring the Optima Steamer™ to what needs to be cleaned and sanitized, not the other way around. Convert a traditionally COP process into a CIP process.

ASME, CSA, UL and CE

The SEII comes with various stamps, markings and certifications showing its compliance to major international codes and standards.

We have the proof to show it!

FSMA (Food Safety Modernization Act) requires that growers, manufacturers, processors, packers, transporters and warehouses to have proactive sanitization protocols. If you are considering steam to up your game, choose carefully. Not all steam is created equal. Temperature, moisture level, consistency and cleaning protocols make a world of difference. We have put the Optima Steamer™ to the test against the following microorganisms: *E. coli*, *listeria*, *salmonella*, *campylobacter*, *brettanomyces*, *zygosaccharomyces* and *Staphylococcus*. Test studies and results are available on our website.



Product Specifications

Model	SE 18K	SE 27K	SE 42K
Heating Source	Electric Heaters		
Voltage Options	3-phase, 208~600V	3-phase 380~600V	
Power Consumption	18.2kW	27.2kW	42.2kW
Steam Pressure	8.5 bar (124 psi) [Max. 9.5 bar (138 psi)]		
Spraying Temperature	135ºC (275ºF)		
Boiler Temperature	174ºC (345ºF)		
Flow Rate	300~900cc/min (0.08~0.24gal/min)	300~1,200cc/min (0.08~0.31gal/min)	
Preheating Time	6~10 minutes		
Water Tank Capacity	38L (10gal)		
Boiler Material	304 Stainless steel (Carbon Steel for ASME models)		
Pipe Materials	304 and 316 Stainless steel, Brass, Copper, Teflon		
Body, Frame Materials	304 Stainless Steel		
Net Weight	89kg (196lbs)	98kg (216lbs)	121kg (267lbs)
Unit Dimensions	52 x 84 x H87cm (20.5 x 33 x H34.2”)		
# of Steam Outlets	2 outlets		
# of Hoses and Guns	2 sets included		

Accessories

Included Items:



Standard Steam Gun w/ 3.5mm Nozzle



Quick-Connect Steam Gun



Premium Steam Hose 10m (33’)

Recommended Items:



Barrel Cleaning Tool



Floor Spinner



Power Steam Hose 10/15/20m (33/50/65’)



Conveyor Belt Tool

OPTIMA STEAMER™ ACCESSORIES



#00-70015
Standard Steam Gun
w/ 3.5mm nozzle



#00-70274
Standard Steam Gun w/
Std. Duty Quick Connect



#00-70010/13
Standard Steam Gun
300~1000mm (12~40")



#00-70024
Power Steam Gun
w/ 5.5mm nozzle



#00-70019
Power Steam Gun Pro
w/ 5.5mm nozzle



#00-71607
Quiet Steam Nozzle
Quick Connect



#00-70026
Std. Steam Nozzle 3.5mm
Quick Connect



#00-70247
Diffuser Flat Nozzle 50mm
Quick Connect



#00-70248
Diffuser Flat Nozzle 100mm
Quick Connect



#00-70025/27
"Cutting" Flat Fan Nozzle
Quick Connect



#00-71608
Turbo Steam Nozzle
Quick Connect



#85-50051
Spray Bottle, 350ml (12oz)
Quick Connect



#00-70075~78
Quick Connect Steam Lances
w/ 3.5mm Nozzle
300~1000mm (12~40")



#00-70254~303
Quick Connect Steam Lances
w/ Brush Holder Tip
100~1000mm (4~40")



#00-71393
Slide-on Brush
Stainless Steel, 30mm (1")



#00-71392
Slide-on Brush
Polyester, 30mm (1")



#00-71391
Slide-on Brush
Polyester, 60mm (2.5")



#00-70284
Slide-on Brush
Nylon, 100mm (4")



#00-71394
Slide-on Scraper
Plastic, 50mm (2")



#00-70302
Slide-on Scraper
Stainless Steel, 100mm (4")



#85-50047
Standard Steam Gun w/
Heavy Duty Quick Connect



#85-50136
Power Steam Gun w/
Heavy Duty Quick Connect



#85-50130
Standard Steam Gun w/
Heavy Duty Quick Connect



#85-50060~80
Heavy Duty QC Steam Lances
w/ 3.5mm Nozzle
300~1000mm (12~40")



#85-50060~80
Heavy Duty QC Steam Lances
w/ Brush Holder Tip
300~1000mm (12~40")



#85-50035
Weeding Lance, Brush



#85-50036
Weeding Lance, Spear



#85-50037
Weeding Lance, Flat



#85-50038
Weeding Lance, Roller



#85-50056
Steam Floor Spinner
Vacuum-ready w/
Heavy Duty Quick Connect

OPTIMA STEAMER™ ACCESSORIES



#85-50043~50045
Steam Mop Wand
w/ Microfiber Scrubber
2.4~5.5m (8~18'), Telescoping



#85-50070~50072
Steam Squeegee Wand
2.4~5.5m (8~18'), Telescoping



#85-50089~50093
Steam Combo Wand w/
Mop Scrubber & Squeegee
1.2~5.5m (4~18'), Telescoping



#25-50025
Replacement Microfiber
Mop Head



#85-53006
Heavy Duty Steam
Floor Scrubber
w/ Replacable Brush



#85-50094
Omega Water Softener Kit
for the Optima Steamer



#00-71605
Steam Extractor
Hand Tool



#85-50088
Steam-Safe Vacuum Hose
38mm (1.5")dia., 3m (10') long



#85-50135
Barrel Steam Tool
w/ Thermometer, Shut-off



#00-70014
Weeding Steam Gun



#00-71311
Microfiber Towels 20-pack
Loop-Pile



#00-71312
Microfiber Towels 20-pack
Waffle-Weave



#00-71313
Microfiber Towels 20-pack
Soft Pile, Long Thread



#00-71313
Microfiber Towels 20-pack
Double-Warped Knit, Dense



#00-70930
Rubber-coated Work Gloves



#00-71205
Quick Connect Coupler
Steam Gun Replacement



#00-71207
Quick Connect Plug
for Gun Accessories



#00-71206
Quick Connect Coupler
for Steam Hoses



#00-71208
Quick Connect Plug
for Steam Hose Outlets



#00-70229~70233
Steam Nozzle Replacement
2.5~5.5mm, Brass



#35-50041
Heavy Duty
Quick Connect Coupler
Steam Gun Replacement



#35-50040
Heavy Duty
Quick Connect Plug
for Gun Accessories



#85-50005
Universal Steam Gun
Replacement Valve Shutter
w/ O-ring



#85-50082
Conveyor Belt Tool,
L.500mm (20")



#85-50083
Conveyor Belt Tool,
Vacuum-ready, L.500mm (20")



#00-70030/57/58
Premium Steam Hose
10-20m (33-65')



#00-70039/59/60
Power Steam Hose
10-20m (33-65')

For complete accessory list,
please visit steam.am/accessories.

Power Requirements per Model

		Diesel Units, Single Phase	All-Electric Units, Three Phase (3ph)			
Model	watts, max.	115V	208V	230V	480V	600V*
DMF / XD	350	3~4 amps				
12K (EST, XE)	12,200		34~38 amps	31~35 amps		
18K (EST, XE, SE-II)	18,200		51~57 amps	46~51 amps	22~25 amps	18~20 amps
27K (EST, XE, SE-II)	27,200				33~37 amps	27~30 amps
42K (SE-II only)	42,200				51~57 amps	41~46 amps

Amperage = watts ÷ (√phase × voltage)

IMPORTANT: Electrical components support a voltage variance of ±10%, but we recommend no more than ±5% to preserve the life of the heaters.

** Indicates special order item for Steamericas*

Notes

STEAMERICAS

Less water, better results!

www.steam.am

844-US-STEAM