

## INTRODUCTION



**O**PTIMA STEAMER™ is highly effective at cleaning dirt, stains, grease, bad odors, difficult-to-remove animal fat and dried contaminants from wide variety of surfaces and equipment without chemicals and leaving behind little to no wastewater production. OPTIMA STEAMER™ needs only a fraction of water to produce ample amount of superheated steam continuously, in perfect temperature and pressure. There is therefore increased demand across various industries most likely due to global trends towards conserving water and toxin-free environment.

### Why STEAM?

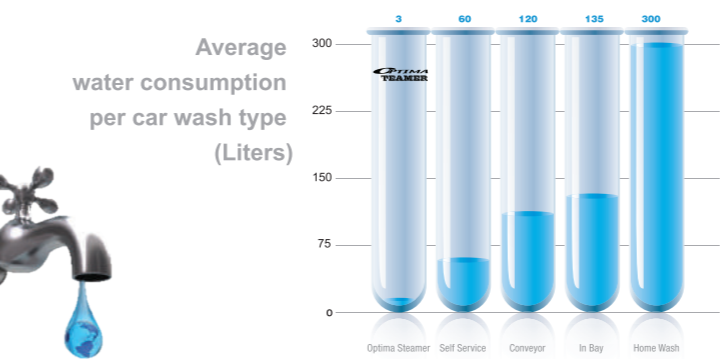
- Consume as little as 3 Liters of water per car wash
- Clean hard-to-reach areas
- Simple 2-step cleaning process (Spray & Wipe)
- No waste-water run-off or overspray
- Clean water/pressure-sensitive areas
- Rapidly clean difficult-to-remove substances
- Remove dirt, stains, odors, caked-on sand/mud, grease, bacteria, mold, yeast and fungi and more
- Quick dry-time
- Chemical-free sanitation

### Applications; Where to Use?

- Car Wash & Auto Detailing
- Auto Repair & Auto Body
- Car Dealership & Fleet
- Winery & Brewery
- Graffiti, Sticker, Gum, Vinyl, Weed Removal
- Food & Beverage Processing
- Aircraft, Boat, Bus, RV, Armor Vehicle Cleaning
- HVAC, Solar Panel Cleaning
- Residential & Commercial Cleaning
- Healthcare & Sanitation



### Advantages of Steam



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.

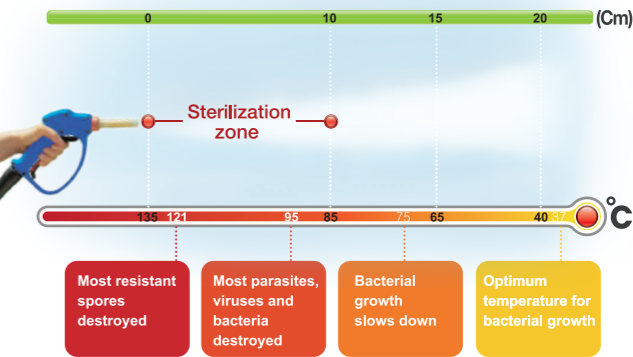
### Why people choose Optima Steamer™?

- User-friendly TFT LCD Display
- Produce plenty of super-heated steam continuously in perfect temperature and pressure
- Maximize heat transfer by air-wall insulated cylinder and upside-down burning system
- Save water and chemical consumption
- Superb quality. Easy to operate with minimal instructions
- Emergency stop switch
- Safe, portable and versatile
- Require little maintenance, minimal downtime

### Optima Steamer™ Protects Your Health

#### • Steam Sanitation

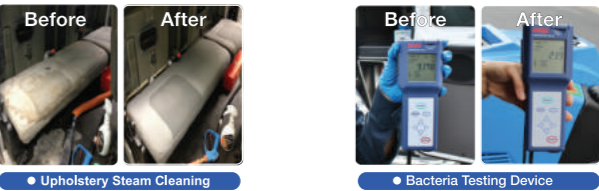
Steam is safe on various surfaces. It is easy to control the contact temperature by increasing or decreasing the distance between the steam gun and cleaning surfaces



Study Reveals Steering Wheels are Nine Times Dirtier than a Public Toilet!



Only dry vapor steam can achieve cleaning and chemical-free sanitizing without waste water run-off.



OPTIMA STEAMER™ XD/XE



All-In-One Optima Steamer™

makes your cleaning

job burdenless!




Got a Smart Phone?  
Scan here to view  
Optima Steamer™  
videos on  
our Youtube channel.

Cleaning Applications:

- Car Wash & Auto Detailing
  - Auto Repair & Body
  - Car Dealership & Fleet
  - Aircraft, Boat, Bus, RV, Armor Vehicle Cleaning
- Food & Beverage Processing
  - Graffiti, Sticker, Gum, Vinyl, Weed Removal
  - HVAC, Solar Panel Cleaning
  - Residential & Commercial Cleaning




Complete and simplified cleaning operation with All-In-One OPTIMA STEAMER™




**User-friendly TFT LCD Display**

TFT LCD Module helps operators to see the operating status, fault messages, maintenance remedy messages more clearly in the form of status icons or coloured boxes or simple text formats.




**Simple visual check on tank level**

Tank level gauge located on the outside of the tank helps operators to see the water(fuel) level visually. It is durable to high heat in a demanding environment.



**Easy maintenance**

One-Touch Sliding Locks slash maintenance time, reduce business downtime and improve your production efficiency.



**Emergency Stop Button**

When danger exists on machine, it has to be immediately shut down, in order to protect operators and machine. EMERGENCY-STOP button is the ideal solution to initiate a standstill.



Optima Steamer™


**XD/XE**

Product Specifications


Model Name	XD	XE 05K	XE 12K	XE 18K	XE 27K		
Heat Source	Diesel Combustion	Electric Heaters					
Operating Voltage	100 ~ 240V	1-phase 230V	3-phase 208~600V		3-phase 380~600V		
Wattage Requirements	-	5.2W	12.2W	18.2W	27.2W		
Power Consumption	0.3KW	-					
Steam Pressure	8.5bar / 124 psi (Max 9.5bar / 138psi)	8.5bar / 124 psi (Max 9.5bar / 138psi)					
Spraying Temp	135°C / 275°F	120°C / 248°F					
Boiler Temp	178°C / 352°F	174°C / 345°F					
Max Flow Rate	1,200 cc/min	300 cc/min	600 cc/min	900 cc/min	1,200 cc/min		
Preheating Time	3 minutes	19~20 minutes	8~9 minutes	6~7 minutes			
Fuel Consumption	Avg. 2 ℓ/hr(Max 1.1gal/hr)	-					
Fuel Tank Capacity	36ℓ	-					
Water Tank Capacity	36ℓ	72ℓ					
Boiler Material	Stainless Steel 304(Food Grade)	Stainless Steel 304 (Food Grade)					
Pipes Material	Stainless Steel, Brass, Copper, Teflon	Stainless Steel, Brass, Copper, Telflon					
Body Material	Polypropylene, Polyethylene, Steel(SS400)	Polypropylene, Polyethylene, Steel(SS400)					
Net Material	87kgs	78 kgs			87 kgs		
Uint Dimensions	66 x 100 x 89 cm	66 x 100 x 89 cm					
Available Colors	Red	Red					
Included Hoses / Guns	2 hoses, 2 guns	1 hose, 1 gun	1 hose, 1 gun	2 hoses, 2 guns	2 hoses, 2 guns		

Accessories:


Included Items:



Steam Gun RL22  
w/ 5.5mm Nozzle




Steam Gun with  
Quick Coupler




Steam Hose

Applied to XE[5K & 12K] Only:



Steam Gun RL22  
w/ 5.5mm Nozzle



Steam Hose

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OPTIMA STEAMER™ DMF/EST



The World's Most Powerful  
Dry Steam Cleaning Machine  
in its Class!



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- Car Dealership & Fleet
- Aircraft, Boat, Bus, RV, Armor Vehicle Cleaning
- Food & Beverage Processing
- Graffiti, Sticker, Gum, Vinyl, Weed Removal
- HVAC, Solar Panel Cleaning
- Residential & Commercial Cleaning



Optima Steamer™ is ideal for mobile cleaning operations

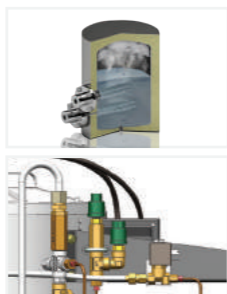


Heat efficient steam vessel

The steam vessel's "Air-wall" insulated structure and "Upside-down" burning system maximize heat transfer and fuel & energy efficacy.

Unrestricted mobility

The convenient all-in-one unit allows customers to wash and detail anywhere and everywhere without the hassle of visiting a car washing outlet.



Electric coil-heating system

Equipped with a coil-heated, electric steam generator that is designed to produce steam in 7 min. and automatically turns on/off to maintain optimal operating pressure.

Safety and Utility

Users find this model versatile, safe and easy to operate with minimal instructions. It requires little maintenance and downtime is minimal.



# Optima Steamer™ DMF/EST

Product Specifications

Model Name	DMF	EST 05K	EST 12K	EST 18K	EST 27K
Heat Source	Diesel Combustion	Electric Heaters			
Operating Voltage	100 ~ 240V	1-phase 230V	3-phase 208~600V		3-phase 380~600V
Wattage Requirements	-	5.2W	12.2W	18.2W	27.2W
Power Consumption	0.3KW	-			
Steam Pressure	8.5bar / 124 psi (Max 9.5bar / 138psi)	8.5bar / 124 psi (Max 9.5bar / 138psi)			
Spraying Temp	135°C / 275°F	120°C / 248°F			
Boiler Temp	178°C / 352°F	174°C / 345°F			
Max Flow Rate	1,200 cc/min	300 cc/min	600 cc/min	900 cc/min	1,200 cc/min
Preheating Time	3 minutes	19~20 minutes	8~9 minutes	6~7 minutes	
Fuel Consumption	Avg. 2 t/hr(Max 1.1gal/hr)	-			
Fuel Tank Capacity	20ℓ	-			
Water Tank Capacity	20ℓ	40ℓ			
Boiler Material	Stainless Steel 304(Food Grade)	Stainless Steel 304 (Food Grade)			
Pipes Material	Stainless Steel, Brass, Copper, Teflon	Stainless Steel, Brass, Copper, Teflon			
Body Material	Polypropylene, Polyethylene, Steel(SS400)	Polypropylene, Polyethylene, Steel(SS400)			
Net Material	86kgs	74 kgs			83 kgs
Uint Dimensions	70 x 109 x 90 cm	70 x 109 x 90 cm			
Available Colors	Red, Green, Blue, Yellow	Red			
Included Hoses / Guns	2 hoses, 2 guns	1 hose, 1 gun	1 hose, 1 gun	2 hoses, 2 guns	2 hoses, 2 guns

Accessories:

Included Items:



Steam Gun RL22  
w/ 5.5mm Nozzle



Steam Gun with  
Quick Coupler



Steam Hose

Applied to EST[5K & 12K] Only:



Steam Gun RL22  
w/ 5.5mm Nozzle



Steam Hose

































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OPTIMA STEAMER™ ACCESSORIES

Optional Accessories:

 <p>[A70015] Steam Gun K26 w/3.5mm Nozzle</p>	 <p>[A70274] Steam Gun K26 w/ Quick-Coupler</p>	 <p>[A70019] Steam Gun RL22 w/ 5.5mm Nozzle</p>	 <p>[A70024] Steam Gun RL37 w/ 5.5mm Nozzle</p>	 <p>[85-50047] Steam Gun K26 G3/8M with quick coupler, KC35</p>
 <p>[A70030] Steam Hose 5 Poly 3/8" 10m</p>	 <p>[A70057] Steam Hose 5 Poly 3/8" 15m</p>	 <p>[A70058] Steam Hose Poly 3/8 20m</p>	 <p>[A70039] Power Steam Hose 5 Poly 3/8 10m</p>	 <p>[A70059] Power Steam Hose 5 Poly 3/8 15m</p>
 <p>[A70060] Power Steam Hose 5 Poly 3/8 20m</p>	 <p>[A70249] Crescent Nozzle + Quick Plug</p>	 <p>[A70247] Flat Nozzle 100x50 + Quick Plug</p>	 <p>[A70248] Flat Nozzle 100x100 + Quick Plug</p>	 <p>[A70026] Steam Nozzle 3.5mm + Quick Plug</p>
 <p>[A71607] Silence Steam Nozzle + Quick Plug</p>	 <p>[A70254] Lance 700 with Brush Holder + Quick Plug</p>	 <p>[A70285] Lance 700 with Brush Holder + Quick Plug</p>	 <p>[A70303] Lance 100 w/ Brush Holder + Quick Plug (6")</p>	 <p>[A70256] Lance 250 w/ Brush Holder+Quick Plug</p>
 <p>[A70257] Lance 400 w/ Brush Holder + Quick Plug</p>	 <p>[A70010-A70013] Steam Gun K26 with nozzle, L.300-L.1000</p>	 <p>[A70075-A70078] Steam nozzle, L.300-L.1000 + Quick plug</p>	 <p>[85-50043-85-50045] Mop Wand 2.4m-5.5m</p>	 <p>[A71314] Microfiber towel Double Warp Knitted</p>
 <p>[A71615-A71617] Squeegee Wand 2.4m-5.5m</p>	 <p>[71209] Non Rotation Quick Plug PT1/4 SUS</p>	 <p>[71205] Quick Coupler PF 3/8(for gun)</p>	 <p>[71207] Quick Coupler (for gun)</p>	 <p>[71206] Quick Coupler (for hose)</p>



Optional Accessories:

 <p>[71208] Quick Plug (for hose)</p>	 <p>[35-50040] Quick Plug M PF1/4F, KPS45</p>	 <p>[35-50041] Quick Coupler F PF1/4M, KC35 (PULL)</p>	 <p>[A71609] Floor Spinner with Lance</p>	 <p>[A70014] Steam Gun K26 with Weed Removal, L900</p>
 <p>[A71605] Steam Extractor Hand Tool</p>	 <p>[71204] Heat-resistant Vacuum hose D.38, 3m</p>	 <p>[A70630] Silicone Nozzle Protector, 1m</p>	 <p>[70635] Foam Silicone Hose 12x24mm, 1m</p>	 <p>[70636] Foam Silicone Hose, L.1000/EA</p>
 <p>[A71620] Barrel Wand Tool with Digital Thermometer</p>	 <p>[85-50003] Omega Softener kit</p>	 <p>[A71608] Turbo Steam Nozzle + Quick Plug</p>	 <p>[71393] Brush D.30 w/ Brass bristles</p>	 <p>[70302] Scraper 100</p>
 <p>[71392] Brush D.30 with Polyester Bristles</p>	 <p>[71391] Brush D.60 with Polyester Bristles</p>	 <p>[70284] Round Brush D.100 with Nylon Bristles</p>	 <p>[70287] Pad 100</p>	 <p>[70288] Pad Holder 100</p>
 <p>[85-50051] Spray bottle 350ml with quick plug</p>	 <p>Inverter 1000W, 12V-115V/220V/230V, 50Hz/60Hz</p>	 <p>[85-50005] Shutter K26 with O-ring</p>	 <p>[A70025] Flat Fan Nozzle 50</p>	 <p>[70229-70233] Steam Gun Nozzle 2.5mm/3.5mm/5.5mm</p>
 <p>[A70292] Anti-scaling treatment 1kg</p>	 <p>[70930] Work Gloves</p>	 <p>[A71311] Microfiber towel FBZ, Dark blue</p>	 <p>[A71312] Microfiber towel Cross patterned, Dark blue</p>	 <p>[A71313] Microfiber towel Wool style, Dark blue</p>