

Over 50 Million Aerosol Cans Recycled

aerosolv[®]

S & G Enterprises, Inc.
N115 W19000 Edison Drive
Germantown, WI 53022
Call 1-800-233-3721
www.ramflat.com



SAFELY

EMPTYES AEROSOL CANS
COLLECTS LIQUID CONTENTS
FILTERS VOCs

The only aerosol can recycling technology certified in the joint U.S. Environmental Protection Agency and California EPA Environmental Technology Verification and Certification Program.

With **aerosolv**, Recycling Aerosol Cans Is As Easy As...Using Them.



The Aerosolv Aerosol Can Recycling System Simplifies Aerosol Can Disposal

The Aerosolv puncturing unit threads directly to the 2" bung of any 30-gallon or 55-gallon drum. Simply place an aerosol can into the Aerosolv unit and lock the safety cap. With a press of the handle, a carbide-tipped puncture pin pierces the dome of the can. The carbide-tip is non-sparking, one of many safety features you'll appreciate about the Aerosolv system.

Liquids, Collect Directly Into the Drum

That's the neatest feature of the system. Residual liquids collect safely in the drum, ready for eventual transportation without further handling. And one 55-gallon drum will hold the residual liquids from 4,000 spent aerosol cans. As solid waste, the same cans would require at least forty 55-gallon lab-pack drums at a disposal cost of \$12,000 or more.



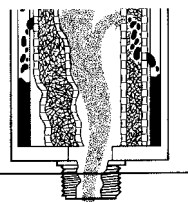
Residual Propellant is Filtered of VOCs

The Combination Filter threads directly to the 3/4" bung of the drum, one of the many safety features incorporated into the system. Although not required by RCRA for aerosol can disposal, the filter addresses air quality and emissions standards.



The Combination Filter Does Two Things

The base of the Combination Filter is the Coalescing Cartridge. In it, the specially designed filter media coalesces microscopic liquids from the escaping propellant and forms them into droplets. The droplets collect in the reservoir of the Coalescing



Cartridge and can be easily drained, directly into the drum if desired, by opening the drain valve on the bottom. Dry propellant then moves through the Activated Carbon Cartridge which adsorbs hydrocarbons and odor.



Accommodates a wide assortment of aerosol cans, even 3" jumbo cans. Whatever size can, the Aerosolv unit smoothly pierces the dome.

The Activated Carbon Cartridge Contains 1 ¼ Pounds of Activated Carbon

Made from ground coconut shell, the activated carbon promotes rapid evacuation of the propellant from even a full aerosol can. Independent lab tests indicate that VOC removal is significant: the propellant from a full can measured 70% below the OSHA Short Term Exposure Limit (STEL) for Toluene and 95% below for Xylene. From an empty can, the propellant measured 98% below the STEL for both. Total hydrocarbon emissions measured 70% below the 300 ppm desired limitation. The new colorimetric carbon cartridge will clearly indicate cartridge replacement for maximum efficiency.

The Result? Recyclable Steel and RCRA Compliance

After using the system, you've got an empty steel can with a small, smooth-edged hole. In as little as five seconds. No spills. No jagged edges. And, no compressed gas, so it's ready for recycling with your other scrap steel.



With a simple half turn, remove and replace the Activated Carbon Cartridge as needed.

When Is An Aerosol Can Empty?



Relieve the Pressure of Aerosol Can Disposal

An aerosol can can't be relieved of pressure through normal use. Even when "empty", the retained propellant can react to heat or pressure when crushed or bailed. With the system, you can safely puncture the aerosol can, relieve the pressure, and collect any residual liquids. By recycling the punctured aerosol cans, you'll eliminate an entire category of waste from your waste stream.



Prevent Static Build-Up...Automatically

Each system is shipped with an Anti-Static Wire. The six-foot length anti-static wire provides convenient installation, anywhere in your plant. Attached to the unit by a brass screw and ring-terminal, it prevents static build-up by grounding the drum, as required by OSHA for liquid storage vessels.



Install an Aerosolv System on Separate Drums

By setting up the system on several drums in a shop, you can collect residual solvents into one drum and residual paints into another. The solvents can be recycled right in the shop as parts cleaner. Paints can be reclaimed, often resulting in waste minimization credit. And, of course, you've got the empty aerosol can, to be recycled with other scrap steel.



Designed for safety and longevity, the Puncture Pin point is non-sparking carbide and has shown no visible wear after 10,000 uses.



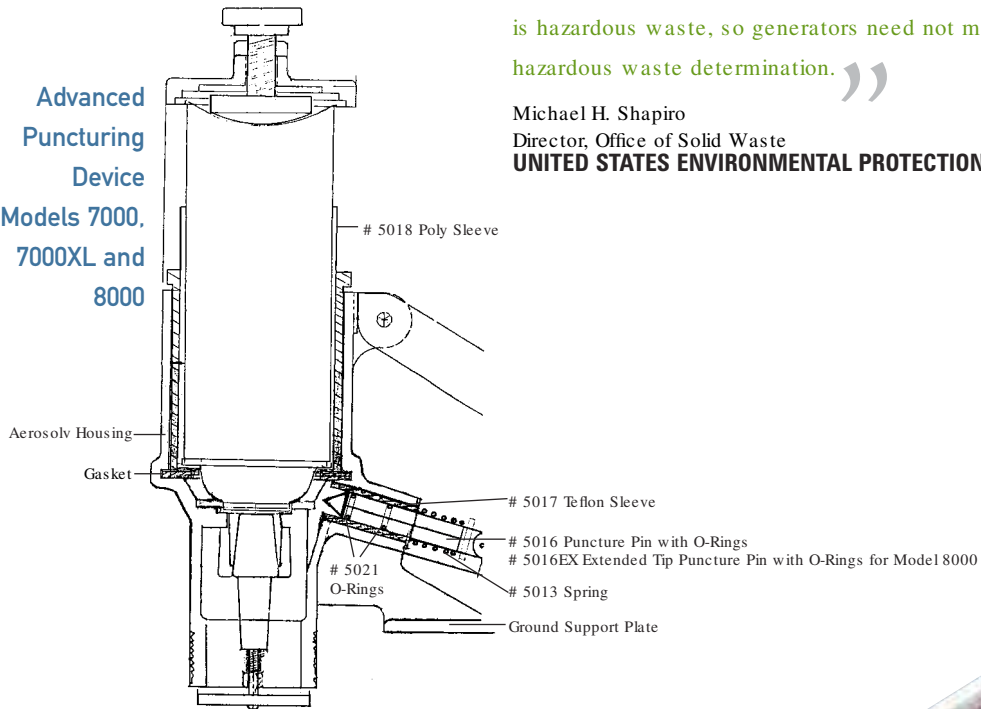
The punctured can has no sharp jagged edges or crushed metal.

“... a steel aerosol can that does not contain a significant amount of liquid (e.g., a can that has been punctured and drained) would meet the definition of scrap metal (40 CFR 261.1(c) (6), and, if it is to be recycled, would be exempt from regulation under 40 CFR 261.6(a) (3) (iv). Scrap metal that is recycled is exempt from RCRA regulation under this provision even if it is hazardous waste, so generators need not make a hazardous waste determination.”



Michael H. Shapiro
Director, Office of Solid Waste
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Advanced
Puncturing
Device
Models 7000,
7000XL and
8000



Whether you bake bread or build ships, refine oil or print books, brew beer or fly jets, make paper or



Your Plant Uses Aerosols Every Day

Aerosol products are sometimes used on the production line. But they're always used in maintaining your plant and your capital machinery. In maintenance shops throughout your facility, whether it's the Instrument Shop or Paint Shop, HVAC Shop or Welding Shop, Machine Shop or Auto Garage, aerosol products are used on a daily basis, increasing productivity and equipment longevity.



Aerosols Make Tough Jobs Easier

Aerosols... paints, solvents, lubricants, belt dressing, silicone releases, graphite, anti-seize, cutting fluids, contact cleaners, adhesives, coolants. They are so widely used because they offer the best method of delivery in hard-to-reach places. The most precise method of delivery where precision matters. The most efficient method of delivery where productivity matters.



Put the Aerosol System to Work for You

Chances are, your plant uses more aerosols than you think. If you're in compliance, you're probably spending a lot for disposal. Start recycling your aerosols with Aerosolv.



A.R. Wilfley & Sons, A/C Industrial Services, ABC Appliance, Abel Manufacturing Co., Abitibi Consolidated, ACCI Aviation Services, Ad Art, Advanced Enviro. Recycling, Advanced Fixtures Inc., Aker Gulf Marine, Alaska Airlines, Alaska Ship and Drydock, Alcoa Cleveland Works, Alcoa Extrusions Inc., Alliant Tech Systems, Allied Signal, Alro Specialty Metals, Alro Steel Corporation, Alumax, AM Castle Metals, American Airlines, American Bumper Mfg. Co., American Candy Mfg. Co., American Eagle Airlines, American Video Glass Co., Amoco Fabrics & Fibers Co., AMSA 148G 81St. RSC, AMSA 152G, AMSA 53G, Amtrak, Anchor/Darling Valve Co., Appleton Mills, APV CREPACO, Arvin North American Auto, Asarco, Augusta State University, Autoliv, AV CRAD, Avery Dennison, Avex Electronics Inc., Avon Mfg., Babcock & Wilcox, Baker Hughes Inteq., Barrick Goldstrike Mine, Barry Controls, BASF Corporation, Bawden Printing, Bay City Forge, Bayex Inc., BBA Non-wovens, Becton Dickinson, Benchmark Electronics, Bennington Imp's Inc., Bethlehem Luken Plats, BF Goodrich Aerospace, BHP Diamonds (Euati), Birmingham Steel, Blee Cables Corporation, BNSF Railroad, Boise Cascade, Bonneville Power Admin., Bryn Mawr College, C.R. Hudgins Plating Inc., California Georgia Pacific, Callaway Golf, Canadian Regional Airlines, Carbitis Inc., Cargill Salt, Carlyle Compressor, Carpenter Co., CarQuest Distribution Center, Caterpillar Inc., CD McFarland, Char Nor Enterprises, Chelan County Public Works Dept., Chevron Cedar Bayou Plant, Chief Supply Corporation, Chino Mines Company, Chrysler Corporation, City of Kingston, City of Los Angeles, City of Vero Beach, Clay County Landfill, Climax Molybdenum Co., Cobre Mining Co., Coca-Cola Enterprises, Collier Keyworth Inc., Colorado National Guard, Colusa County Canning Co., Conoco Inc., Consumers Gas Co., Cooper Automotive, Cooper Energy Services, Cooper Tire, Coos Bay Lumber Company, Coos Curry Electric Coop, Copeland Corporation, Cordis Corporation, Courtaulds Fiber Inc., Crown Paper, Curries Company, Custom Clutch Joint & Hydraulics, Dana Corporation, Dana Corporation, Plumbing Div., Darling Store Fixtures, Dearborn Midwest Conveyor, Delavan, Delta Airlines, Delta Mold, Department of the Army, Dept. of Energy, DNS Laurel Technologies, Doswell Ltd. Partnership, Dover Elevator Systems, Dresser IVO, Dristeem Humidifier Co., Duffle Bag Inc., DuPont, DuPont Photomasks Inc., Dyn McDermott Petroleum, Dynamic Science Inc., Eastern Oregon Correctional Institute, Ecoflo Inc., ECS-43 81st RSC, EDO Western, EDO Fiber Science, EDP Inc., Edwards AFB B-2 CTF LGLH, Electro-Motor Inc., Elf Atochem N.A. Inc., Elliott Co., Emerson Elect. Fusite Div., Emerson Power Transmission, Energy Research Corporation, Enviro-American, Inc., Enviro-Care Corporation # 204, Environmental Waste Resources, EPT Gearing Facility, ETS Inc., Executone Information, Exide Corporation, Fairbanks North Star, Federal Express Corporation, Federal Government, Filter Recycling Services, Fisher Engineering, Fisher Service Company, Flight Systems, Florida A University, Florida Power & Light, Florida State University, Florida State University EHES Department, Fluor Daniel, FMC Corporation, Fort James, Fritz Co. Inc., Ft. Chaffee CMTIC, Ft. Richardson AKARNG Environmental, Ft. Stewart Dept. of Army-Env. Office, Ft. Stewart Environmental Branch, Gadsden County Recycling, Galyan's, Garrett Aviation, Gates and Sons, General Electric - Canada, General Electric Co., General Electric-Portland, General Motors, Genie Industries, GeoDiamond, Georgia Pacific, Getchell Gold Inc., Gilbarco Inc., GMPTG Saginaw Malleable, Golden Valley Microwave, Goodyear Proving Grounds, Goodyear Public Works, Goshen Stamping Inc., Graves Spray Supply, Greenfield Town, Greenway Environmental, Hach Co., Hallmark Cards Inc., Halter Marine PC, Hamilton Construction, Harding Metals, Harvey Point Base, Hawaii Air National Guard, Hayden Inc., Hayes-Lemmerz Inter., Heatube, Heavy Mob, Heckett Multiserv, Hedstrom Corporation, Hennessy Products Inc., HIARNG, HIARNG OMS # 5, Hickam AFB Hazmat Pharmacy, High ALT TNG Site, Hillerich & Bradys Co., Hitchiner Mfg. Co. Inc., Hobbs Corporation, Holmes Tuttle Ford, Holsum Bakers OFPR., Holyoke DPW, Honda of America Mfg. Inc., Honda R&D, Hudson Products, Hunt Mfg. Lit-Wing Prod. Div., Hunter Automated Machinery Corp., Hydro Aluminum Adrian, Hydroelectric Lift-Trucks, I.U.P.U.I., IEC Electronics Corp., Indiana Air National Guard, Industrial Coating Services, Inertia Dynamics, Ingersoll-Dresser Pump, Ingersoll-Rand Co., International Paper Co., Iowa ES Utilities, Iowa Landfill North, IIT Industries, J.C. Penney CFC, Jacobs Vehicle Systems, James Hardie Blvd. Prod., James River Corporation, James River Paper Co., Jasper Cabinet Co., Jefferson Smurfit Corporation, Juneau City/Borough, Kendon of Dallas Inc., Kenosha Water Utility, Ketchikan Public Works, Kidron Inc., Kim Wood Corporation, Kimberly-Clark Corporation, Kinder Morgan Inc., Kitsap County Solid Waste, Koch Industries, Koyo Corporation, KIH Parts Industries, Kuwait IIT FSIC Unit 69905, Kyocera America, Lab Con North America, Laidlaw Environmental,

“ Thank you for your continued interest in our recycling program. During the period from 1 October 1992 to 31 September 1993, COMNAVBASE Norfolk realized a savings of \$333,738.00 by utilizing the Aerosolv Aerosol Can Recycling System. The Aerosolv system was implemented as an alternative to the previous practice of hazardous waste disposal of aerosol cans bulked in drums as solid waste. ”



Commander
Naval Base Norfolk
UNITED STATES NAVY



“ Fortunately, we discovered the Aerosolv disposal system. We have been able to reduce this overstock at an amazing rate, with no effect on our generator status and at a fraction of the cost for disposing of these items in their original form. ”

Stuart Jones
Safety and Environmental Engineer
FLEXIBLE PRODUCTS COMPANY

“ Since we've been using the Aerosolv unit, our disposal costs for aerosol cans have dropped 80%. ”

Mike Sweeney
Manager
MENDOCINO SOLID WASTE MANAGEMENT AUTHORITY

Lane Upholstery, Lit-ning Products, Lockheed Martin, Lone Star Steel Company, Los Alamos Post Office, Louisiana Pacific Corporation, Lower Colorado River Authority, Lucas Aerospace, Maine Army National Guard, Malibu Boats West, Marathon Oil Co., Marine Corps Comm. Elec. Sch., Mason & Hanger, Masonite/Dresser, Masonite Corporation, Master Craft, Matsvo Industries, Mattoon Precision Mfg. Inc., McLeod Regional Medical Center, Megtec Systems, Mells Trucking, Menada University, Metal Fabricating Corp., Metric Systems Corp., Metro Waste Authority, Michael Burnett Products, Midas Joint Venture, Midcoast Aviation Inc., Midcoast Little Rock, Midwest of Cannon Falls, Milliken Gerrish, Milliken-Enterprise, Ministry of Natural Resources, Minnesota County HHW Facility, Minnesota Elevator Inc., Mobil Oil Corporation, Mobile Tool International, Modine Mfg. Company, Mohawk Laboratories, Monaco Coach Corporation, Monrovia, Monsanto Company, Morris County MUA, Morton Bendix, Mountain Equipment, Mrs. Baird's Bakery - Dallas Plant, Mrs. Baird's Bakery, Nan Ya Plastics, National Defense Dept. 1CDN FD HOSP DND, National RV, National Weather Service, Nava, Inc., NC Air National Guard, NC Machinery Co., Nelson Division, Nelson Paint Company, New Jersey Mach. of NH, Newmont Gold, Nichols Homeshield Casting, Nim-cor, Niosh-Spokane Res. Lab., Noranda Aluminum Inc., Norcold Inc., Norfolk Southern RR, Norris Industries, Nortek Repair Center, North Star Steel, Northern States Power Co., Norton Solid Waste, Nova Chemicals Inc., Nucor Fastener, Nucor Steel SC, NW Minnesota Mgmt., NY Power Authority, Oak Ridge City, Occidental Chemical, Offutt AFB 55 CES/CEV, Ohio Air National Guard 179th Airlift Wing, OHM Remediation, Olean Advanced Products, Omnova Solutions Inc., OMS # 18, Ontario City, Oregon Army National Guard, Oroville Wyandotte -LR. Dist., Ovako Ajax Inc., PA Power & Light Co., PAC-FAB. Inc., Pacificorp WOC, Parkans Int'l LLC, Patuxent River Naval Air Station, PCS Phosphates, PDM Strocal, Pennsylvania Air National Guard, Peoples Natural Gas, Perkins Papers Ltd., Phelps Dodge Tyrone Inc., Pimako, Piper Impact, Pitney Bowes, Plano, City of, Plastic Omnium, Plymouth Tube Company, Pollution Control Industries, Portola Packaging Inc., Potlatch Corporation, PPG Industries Inc., Press Sales & Services, Prevost Car, Procter & Gamble, Products/Techniques Inc., Progress Rail Service, Purdue University, PWC Washington, Quinton Instrument Company, Raytheon Aerospace/USC, Raytheon Aircraft, Reese Products, Resinoid Eng. Corp., Rice County Waste Mgmt., Richland City, Rio Rancho Post Office, Risdon AMS, Rockingham County, Rockwell Collins Inc., Romania Imported Motors, Romania RV Center, Rosebud Mining Co., LLC, Roseburg Forest Product, Safari Motor Coaches, Sandusky International, Sargent Control Aerospace, Sausbury Fire Rescue, Schindler Elevator Corporation, Scott Sign Systems Inc., Sea World of Florida, Seekins Ford Lincoln, Shawnee County Recycling, Shelby Williams Industry, SM&P Utility Resources, Smith Services Of Alabama, Smurfit Flexible Packaging, Smurfit-Stone Container, Socer, SA, Solvay Pharmaceuticals, Sonsub International, Sony Magnetic Products Inc., Southern Winding Service Inc., Space Mark Inc., Springfield Utility Board, Springs Window Fashions, Standadyne Automotive Co., Star Tribune, Stewart & Stevenson, Sullair Corp., Sullivan Industries Inc., Symons Corporation, Syntex Chemicals Inc., Takahashi Works USA, Tanner Pks., Target, Target Distribution Center T558, TEC Interface Systems, Tecumseh Products Co., Temple-Inland Forests, Tennessee Gas Pipeline, Texas A&M University, The Little Tikes Co., The Raymond Corporation, Thomas Lighting, Thomson Crown Wood Products, TMens Colony, Toro Co., Town of Southampton, Trandes Corporation, Trio Products, Trim Masters Inc., Trimeris Inc., Truseal Technologies, TRW Electronics, Tyson Distribution Center, U.S. Border Patrol, Ucar Carbon Company, Ulster County Resource Recovery, Union Camp Hanford Corr., Union Tank Car Co., United Air Lines, United Defense, University of Texas-UTPA, US Air Force, US Coast Guard Lorsta, US Forest Service, US Navy, US Postal Service, US Postal Service VMF US Postal Service, P&D Facility, USAF 166 Airlift Group/LGMG, USAF 24 CES/CEOHE, USAMU US Army, USMC 81st RSE MASA 55 W, USN NISE East MME Code 624, Utes # 3 Army National Guard, Uitec Inc., Vacton Manufacturing Inc., Veratec, Vermont American, Virginia International Terminals, Virginia Power, VPC-Schlumberger, Wabash Fibre Box Company, Waldorf Corp., WalMart, Warsten Manufacturing, WASP Inc., WC Wood Co., Inc., Weber Aircraft Inc., Wenco of Ohio, West Florida University, Western Lake Superior Sanitary Dist., Western States Environmental, Westinghouse Air Brake, Westover Air Reserve Board, White-Rodgers Co., Whitehead Die Casting, Wichita Falls Refurb., Wilderness Exchange, Wilson Laboratories Inc., Wix Filtration Products, Youngs RV Center, Yuam City, Yuasa Inc., Yuasa-Exide Inc.



aerosolv®

Aerosol Can Recycling Systems Aerosolv Model 5000

INCLUDES: Puncturing Device, # 6163 Combination Coalescing Activated Carbon Filter, Anti-Static Wire, and Safety Goggles

Aerosolv Model 7000

INCLUDES: Advanced Puncturing Device-Teflon Coated, Automatic Shut-off Valve, # 7163 Combination Colormetric Carbon Filter, Anti-Static Wire, and Safety Goggles

Aerosolv Model 7000XL

INCLUDES: Advanced Puncturing Device-Teflon Coated, Automatic Shut-off Valve, # 7163XL Combination Colormetric Carbon Filter with Automatic Check Valve, Drum Cover, Drum Under Containment, Anti-Static Wire, and Safety Goggles



Replacement Parts

Filters

- #6163 Combination Coalescing Filter with Replaceable Activated Carbon Cartridge
- #6363 Replacement Activated Carbon Cartridges (pkg. of 2)
- #7163 Combination Coalescing Filter with Replaceable Colormetric Carbon Cartridge
- #7363 Replacement Colormetric Carbon Cartridges (pkg. of 2)
- #7163XL Combination Coalescing Filter with Replaceable Colormetric Carbon Cartridge and Automatic Check Valve
- #7363XL Replacement Colormetric Carbon Cartridges with Automatic Check Valves (pkg. of 2)

Accessories

- #5165 Maintenance Repair Kit
INCLUDES: 1-Carbide-Tipped Puncture Pin with O-Rings, 1-Aeroprene Gasket, 1-Spring, 3-Bridge Pins, 1-Tube of Grease
- #5129 Aeroprene Gasket

For Technical & Sales Assistance contact:

S & G Enterprises, Inc.

N115 W 19000 Edison Drive
Germantown, WI 53022
Tel: (262) 251-8300 (800) 233-3721 Fax: (262) 251-1616
www.ramflat.com

Aerosolv® is a registered trademark of Katec Inc.