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# *aerosolv*®

## THE AEROSOLV® RECYCLING SYSTEM: SIMPLIFYING AEROSOL CAN DISPOSAL

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



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

## 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 puncture pin pierces the dome of the can. The puncture pin 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.

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



## THE ACTIVATED CARBON CARTRIDGE CONTAINS 1 1/4 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 colormetric 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.

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



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

## WHEN IS AN AEROSOL CAN EMPTY?

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

## RECYCLE MORE THAN THE CAN



### 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.



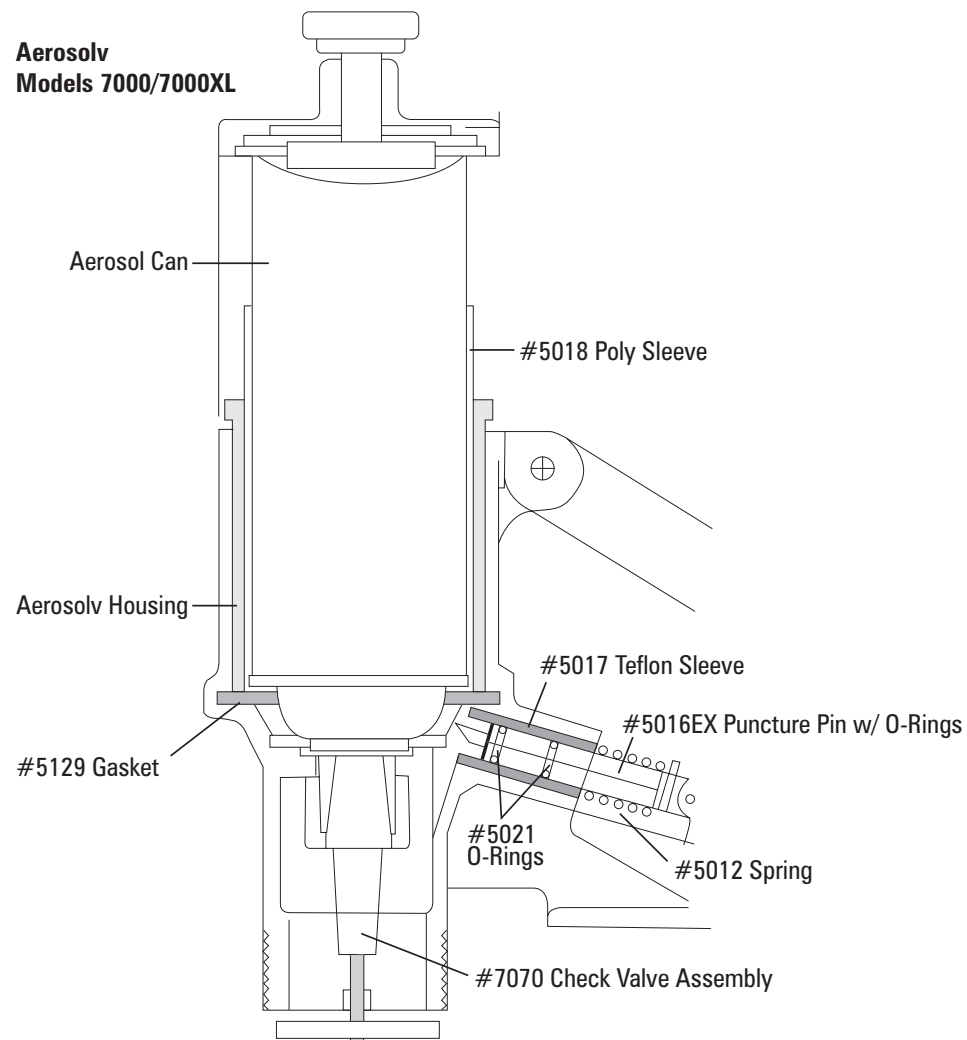
Designed for safety and longevity, the Puncture Pin is non-sparking and has shown no visible wear after 10,000 uses.

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





WHETHER  
YOU BAKE  
BREAD OR  
BUILD SHIPS,  
REFINE OIL OR  
PRINT BOOKS,  
BREW BEER  
OR FLY JETS,  
MAKE PAPER  
OR PACK  
MEAT...YOUR  
PLANT USES  
AEROSOL  
PRODUCTS. A  
LOT OF THEM.  
EVERY DAY.

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 AEROSOLV 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.

CUSTOMERS USING THE AEROSOLV SYSTEM

A.R. Wiffley & 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 (Euait)  
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  
Carbbits 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 Coporation  
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

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 Univestiy EHES  
Department  
Fluor Daniel  
FMC Corporation  
Fort James  
Fritz Co. Inc.  
Ft. Chaffee CMTC  
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  
Harley-Davidson  
Harvey Point Base  
Hawaii Air National Guard  
Hayden Inc.  
Hayes-Lemmerz Inter.  
Heatube  
Heavy Mob  
Hockett Multiserv  
Hedstrom Corporation  
Hennessy Products Inc.  
HIARNG  
HIARNG OMS #5  
Hickam AFB Hazmat Pharmacy  
High ALT TNG Site  
Hillerich & Bradsky Co.  
Hitchiner Mfg. Co. Inc.  
Hobbs Corporation  
Holmes Tuttle Ford  
Holmes Bakers Of P.R.  
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  
ITT 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 Corpaiton  
Kinder Morgan Inc.  
Kitsap County Solid Waste  
Koch Industries  
Koyo Corporation  
KTH Parts Industries  
Kuwait ITT FSIC Unit 69905  
Kyocera America  
Lab Con North America  
Laidlaw Environmental  
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  
Masonellan/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. Bairds Bakery  
Nan Ya Plastics  
National Defense Dept. ICDN 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 -I.R. Dist.  
Ovako Ajax Inc.  
PA Power & Light Co.  
PAC-FAB, Inc.  
Pacifcorp 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.  
Pimalco  
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  
Standayne 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  
Trico Products  
Trim Masters Inc.  
Trimeris Inc.  
Truseal Technologies  
TRW Electronics  
Tyson Distribution Center  
U.S. Border Patrol  
Ucar Carbon Company  
Ulster County Resource Recovery  
UNC Lear Services  
Union Camp Hanford Corr.  
Union Tank Car Co.  
United Air Lines  
United Defense  
United States Coast Guard  
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/LGMD  
USAF 24 CES/CEOHE  
USAMU US Army  
USMC 81st RSE MASA 55 W  
USN NISE East MME Code 624  
Utes #3 Army National Guard  
Utitec Inc.  
Vacton Manufacturing Inc.  
Veratec  
Vermont American  
Virginia International Terminals  
Virginia Power  
VPC-Schlumberger  
Wabash Fibre Box Company  
Waldorf Corp.  
WallMart  
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  
Yuum City  
Yuasa Inc.  
Yuasa-Exide Inc.



## THE AEROSOLV® RECYCLING SYSTEM

### AEROSOLV MODEL 5000

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



### AEROSOLV MODEL 7000C with can counter

INCLUDES: Advance Puncturing Device, #7163 Combination Colormetric Carbon Filter, Anti-Static Wire, and Safety Goggles



### AEROSOLV MODEL 7000XLC with can counter

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



**Model 7000XLC is CAL-EPA SB1258 compliant**



## PROPANE CANISTER RECYCLING SYSTEM

### PROSOLV MODEL 4000

INCLUDES: ProSolv Fuel Canister Venting Device, #4343 Activated Carbon Filter, and Forty (40) Certification Tags  
Anti-Static Wire, Safety Goggles and Sleeve Removal Tool



## 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)

- #4343 Prosolv Replacement Activated Carbon Filter and Forty (40) Certification Tags\*
- \*Certification tags are not available separately. The forty (40) tags provided with each carbon filter serve as the filter replacement indicator. When all tags have been used, the filter must be replaced.

### ACCESSORIES

- #5165EX Maintenance Repair Kit includes: 1-Puncture Pin with O-Rings, 1-Aeroprene Gasket, 1-Spring, 3-Bridge Pins, 1-Tube of Grease
- #5129 Aeroprene Gasket
- #5111 Viton® Gasket
- Viton® is a registered trademark of DuPont de Nemours & Co.

Specifications subject to change without notice.

Made in the U.S.A. under U.S. Patents 5,163,585, 5,265,762, 5,992,475, 6,422,273, and 5,421,380. Multiple foreign patents pending.

VISIT [AEROSOLV.COM](http://AEROSOLV.COM) FOR VIDEO DEMOS, MORE INFO, AND ONLINE ORDERING