

Kleerwater™

Oil/Water Separator



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Oil/Water Separator
U.S. PATENT NO.
5,229,015 AND 5,500,132

**COALESCER
"BALL"**

Three Major Advantages of Kleerwater:

- Highest quality effluent
5PPM per UL2215
- Approximately twice as efficient
as parallel plate separators
- Simple routine maintenance with
no confined space entry

Designed for the following businesses:

- PETROLEUM MARKETING FACILITIES
(Service Stations & Convenience
Stores)
- PARKING LOTS / STRUCTURES
- VEHICLE REPAIR AND
MAINTENANCE SHOPS
- BULK OIL TERMINALS &
LOADING RACKS
- MATERIAL HANDLING FACILITIES
- AIRPORTS
- BUS TERMINALS
- MARITIME
- RAILROAD YARDS
- REFINERIES, STEEL MILLS
- UTILITIES
- TRUCK STOPS
- PETRO CHEMICAL PLANTS
- MILITARY INSTALLATIONS
- TANK FARMS



MODERN WELDING CO., INC.

A Kleerwater™ Certified Licensed Manufacturer

www.modweldco.com

**Manufacturers
Located Nationwide**

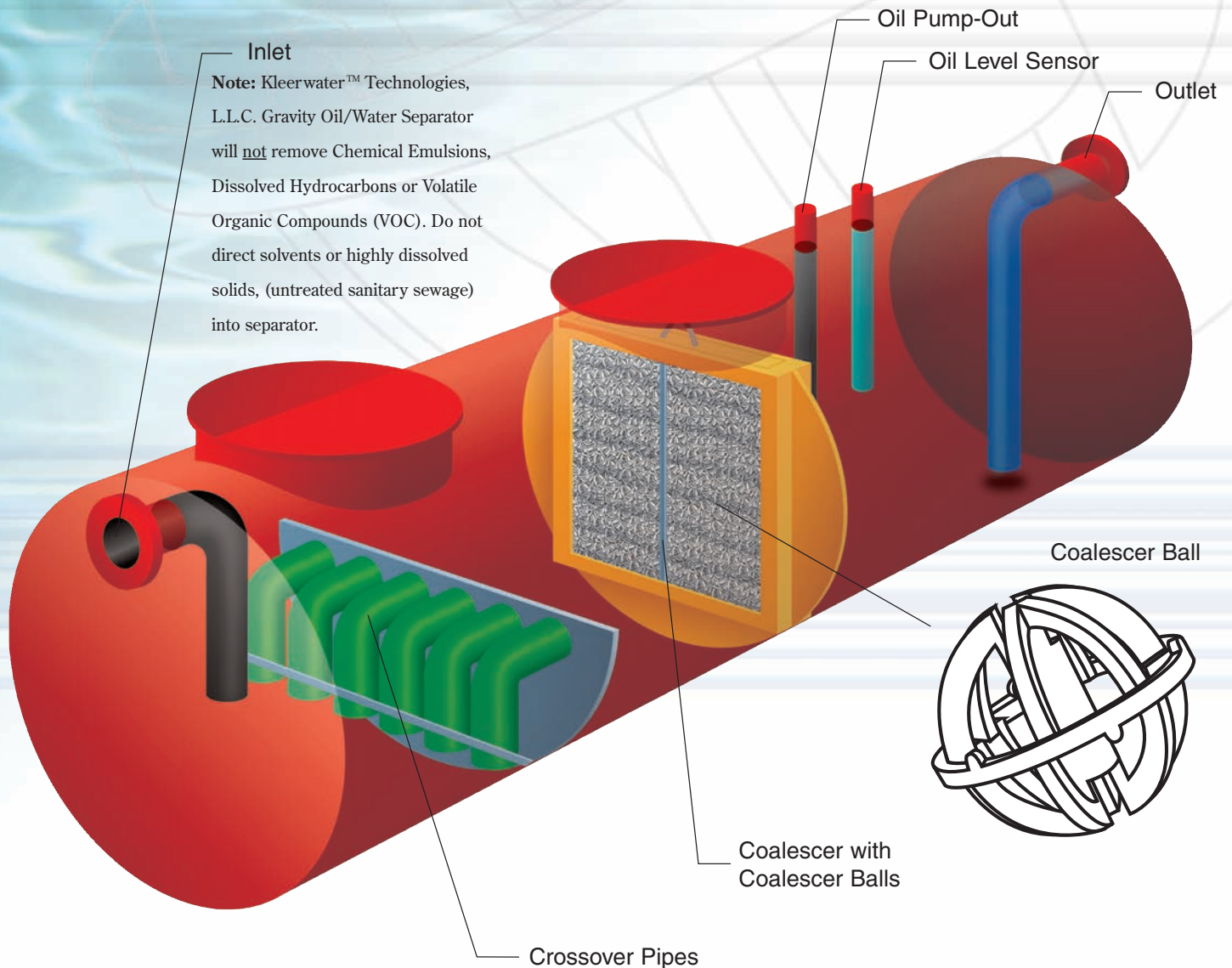
Oil & Water Separation at its Best!

New Technology (U.S. Patent No. 5,229,015 and 5,500,132), by Kleerwater™
Sets Increased Performance Levels and Produces Cost Savings.

EASY MAINTENANCE – NO ENTRY REQUIRED

Coalescer "Ball" by Kleerwater™

The Kleerwater™ Gravity Oil/Water Separator separates free-floating oils and greases from water mixtures. Its design is based on Stokes' law, which defines the terminal velocity of oil spheres in a liquid medium.



The development of the patented Coalescer “Ball” (U.S. Patent No. 5,229,015) by Klerwater™ is a technological breakthrough in the Oil/Water Separator industry. Its increased performance results in benefits and cost savings for you.

- Klerwater’s Coalescer Ball produces higher efficiency performance flow rates, which results in smaller size separators, thereby reducing installation costs.
- Klerwater’s patented single coalescer design provides superior oil/water separation at flow rates necessary to meet storm water run off amounts throughout the United States.
- The separator chamber is designed for optimum separation of oil mixtures as a function of surface area and retention times The separation chamber has a maximum oil storage capacity of 40%.
- Coalescer is accessible from grade level through manways.
- Ball design promotes efficient ease of cleaning for more cost-effective maintenance and less down time. Personnel do NOT need to enter separator for routine cleaning.
- Separators may be single or double wall construction and rigidly adhere to Underwriters Laboratories UL-58, UL-142, UL-1746, and UL-2215 standards and specifications. Effluent output concentrations can meet the strictest of requirements with regard to State and Federal mandates under the Resource Conservation and Recovery Act and Clean Water Act.

**Klerwater
Oil Water Separator Sizes †**

Separator Size Gallons	Tank Diameter Inches	Tank Length Inches*	Maximum Flowrate GPM	Inlet Pipe Size Inches	Outlet Pipe Size Inches	Oil Storage Capacity Gallons
150	30	65	30	2	2	60
285	38	72	57	3	3	114
550	42	115	110	4	4	220
1000	48	154	200	4	4	400
2000	64	173	400	6	6	800
3000	64	259	600	6	6	1200
4000	64	346	800	8	8	1600
5000	72	346	1000	8	8	2000
6000	72	410	1200	8	8	2400
8000	84	403	1600	10	10	3200
9000	96	346	1800	10	10	3600
10000	96	389	2000	10	10	4000
12000	96	461	2400	12	12	4800
15000	96	576	3000	12	12	6000
20000	120	490	4000	14	14	8000

*Overall length includes grit chamber and separator. † Separators available in both cylindrical and rectangular configurations.

For more information call: **877.826.5872**
800.922.1932 www.modweldco.com



COALESCER "BALL"

**U.S. PATENT NO.
5,229,015 and 5,500,132**
**New Technological
Breakthrough for the
Oil/Water Separator
Industry**

YOUR MODERN WELDING REPRESENTATIVE CAN HELP

Modern Welding Company offers regional delivery that will save you money and time. Visit our website at www.modweldco.com to see a list of our fabrication facilities and view our complete product line. Call Modern Welding Company for details.

Klerwater™ oil/water separators are a licensed product of Klerwater™ Technologies.

U.S. Patent No. 5,229,015 and 5,500,132

PERFORMANCE / WARRANTY

Modern Welding Company's Klerwater™ Gravity Oil/Water Separator will remove "free floating" oils from oil/water mixtures and attain an effluent-free hydrocarbon concentration as low as 5 ppm when specified.

A UL Listed external corrosion protection system is included on separators.

The internal separator components, i.e. coalescer, supports, baffles, internal coatings and piping are installed by Modern Welding Company.



MODERN WELDING CO., INC.

Corporate Office

2880 New Hartford Road • Owensboro, KY 42303

Phone: 270-685-4400 • Fax: 270-684-6972

877 826 5872 • 800 922 1932

www.modweldco.com

E-mail: modern@modweldco.com

www.modweldco.com

Manufacturing Subsidiaries

Modern Welding Co. of Owensboro, Inc.

1450 E. Parrish Ave.
Owensboro, Kentucky 42303
Phone: 270-683-5323
Fax: 270-684-5245
modern1@modweldco.com

Modern Welding Co. of Ohio, Inc.

One Modern Way
Newark, Ohio 43055
Phone: 740-344-9425
Fax: 740-344-6018
modern5@modweldco.com

Modern Welding Co. of Florida, Inc.

1801 Atlanta Ave.
Orlando, Florida 32806
Phone: 407-843-1270
Fax: 407-423-8187
modern6@modweldco.com

Modern Welding Co. of Texas, Inc.

2 Locations
715 Sakowitz St.
Houston, Texas 77020
Phone: 713-675-4211
Fax: 713-673-4062
modern7@modweldco.com

200 N. Main St.
Rhome, Texas 76078
Phone: 817-636-2215
Fax: 817-636-2680
modern15@modweldco.com

Modern Welding Co. of Iowa, Inc.

2818 Mt. Pleasant Dr.
Burlington, Iowa 52601
Phone: 319-754-6577
Fax: 319-754-8428
modern8@modweldco.com

Modern Welding Co. of Georgia, Inc.

300 Prep Phillips Dr.
Augusta, Georgia 30901
Phone: 706-722-3411
Fax: 706-724-8133
modern14@modweldco.com

Modern Custom Fabrication, Inc.

2421 E. California Ave.
Fresno, California 93271
Phone: 559-264-4741
Fax: 559-237-3413
modern16@modweldco.com