



Liquid Skimmers

(Skimmer*)

Separating Waste from Water ***Muddy River Technologies Inc. (Muddy River)***

MUDDY RIVER is involved in the extraction of waste from water using proprietary technologies sold under the following brand names:

- *Vertical Gravity Separator (VGS)*
- *Micro Air Separation System (MASS)*
- *Cyclonic Falling Film Evaporator (CycloVap)*
- *Inline Swirl Generator Hydrocyclone Head (ISG)*
 - *Liquid/Liquid*
 - *Solid/Liquid*
- *Liquid Skimmer (Skimmer)*

MUDDY RIVERS' technologies are involved in the following market segments and applications:

- *Oil-Water Separation*
- *Fat, Oil and Grease Recovery/Removal*
- *Marine Bilge Water Treatment and Marina Oil Slicks Clean-Up*
- *Soil Remediation*
- *Tertiary Sewage Treatment*
- *Recovery of Backwash Water*
- *Removal of Suspended Solids*
- *Treatment of Wastewater from Food and Chemical Manufacturing, Pulp and Fines Recovery.*

MUDDY RIVER LIQUID SKIMMERS (SKIMMER)

MUDDY RIVER Liquid Skimmers (Skimmer) are designed to ensure a balanced oil/water feed ratio for delivery into MUDDY RIVER separation systems. The Skimmer works by removing the wastewater from a retention pit, and delivering it to a Hydrocarbon/Water (OWS) Vertical Gravity Separator (VGS) or to a Fat, Oil and Grease (FOG) Vertical Gravity Separator (VGS). Skimmers are available in 2 ranges and both improve overall system efficiency, while preventing the buildup of fat, grease and oil in the retention pit.

Fixed Skimmer

The fixed Skimmer is designed to operate in smaller retention tanks in conjunction with separation systems that deal with very little silts and solids, and are without high concentrations of fat, grease or oil.

Floating Skimmer

The floating Skimmer is designed to operate in larger retention tanks, in conjunction with separation systems that deal with higher levels of silts and solids, and have higher levels of fat, grease or oil.

Applications

Skimmers used in conjunction with an OWS or FOG VGS can be used in the following applications:

- Oil Refineries
- Mechanical Workshops
- Service Stations
- Metal Production and Recycling
- Power Stations
- Process Water Recycling
- Vehicle Dismantling and Repair
- Remediation Systems

- Waste Processing
- Restaurants and Food Outlets
- Shopping Centres
- Clubs and Hotels
- Sporting Stadiums
- Resorts
- Schools and Colleges
- Mining Sites
- Hospitals and Nursing Homes
- Factory Canteens
- Processing Plants
- Abattoirs

SK31 Skimmer

The **SK31 Skimmer** is a compact oil/water skimmer with a small trash basket. It floats on the surface of the liquid, efficiently gathering free oil and water for delivery to the MUDDY RIVER VGS.

Features

Skimmer

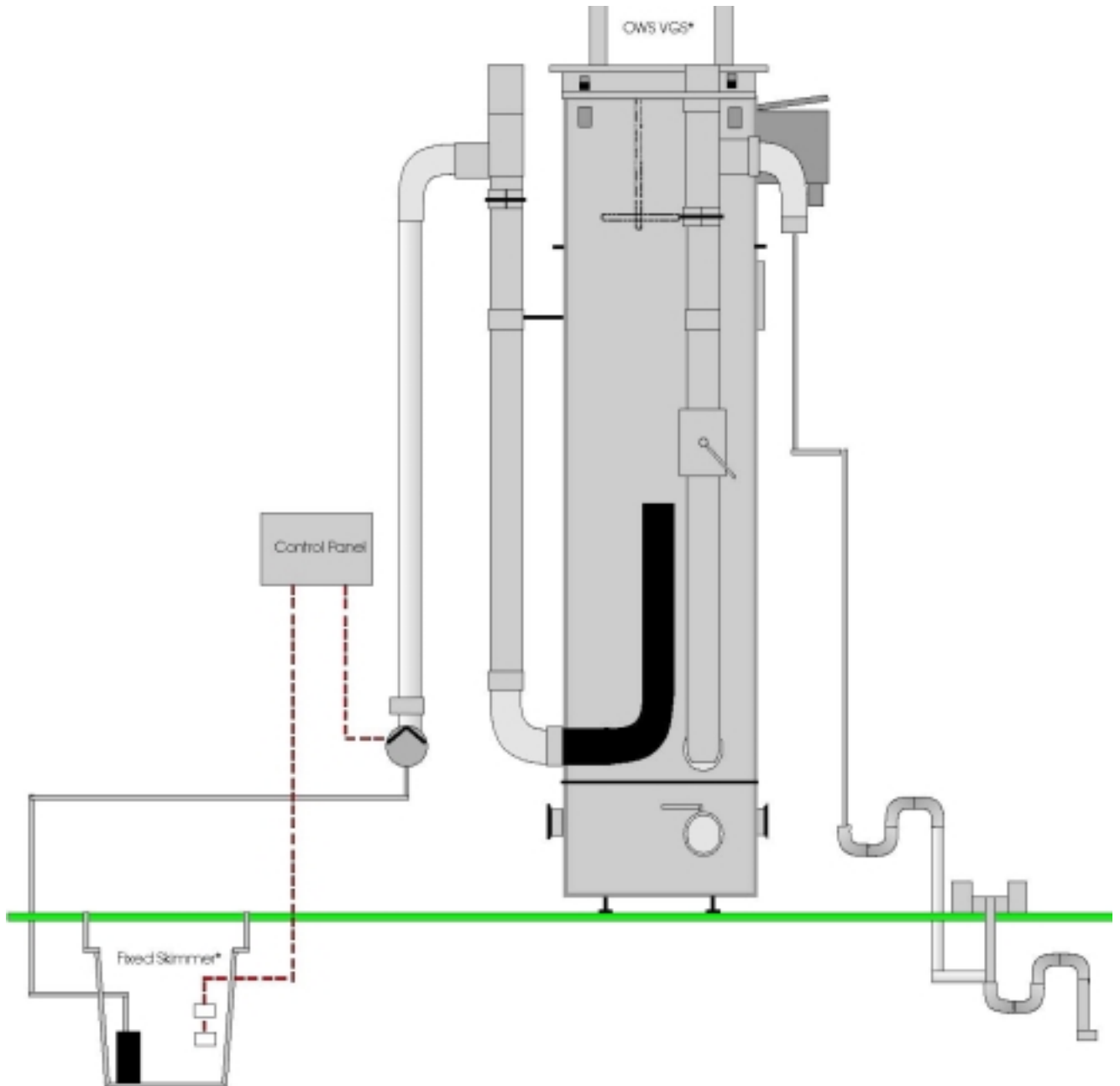
- Lightweight and compact
- Extra suction hose (optional)
- Small in diameter

Trash Basket

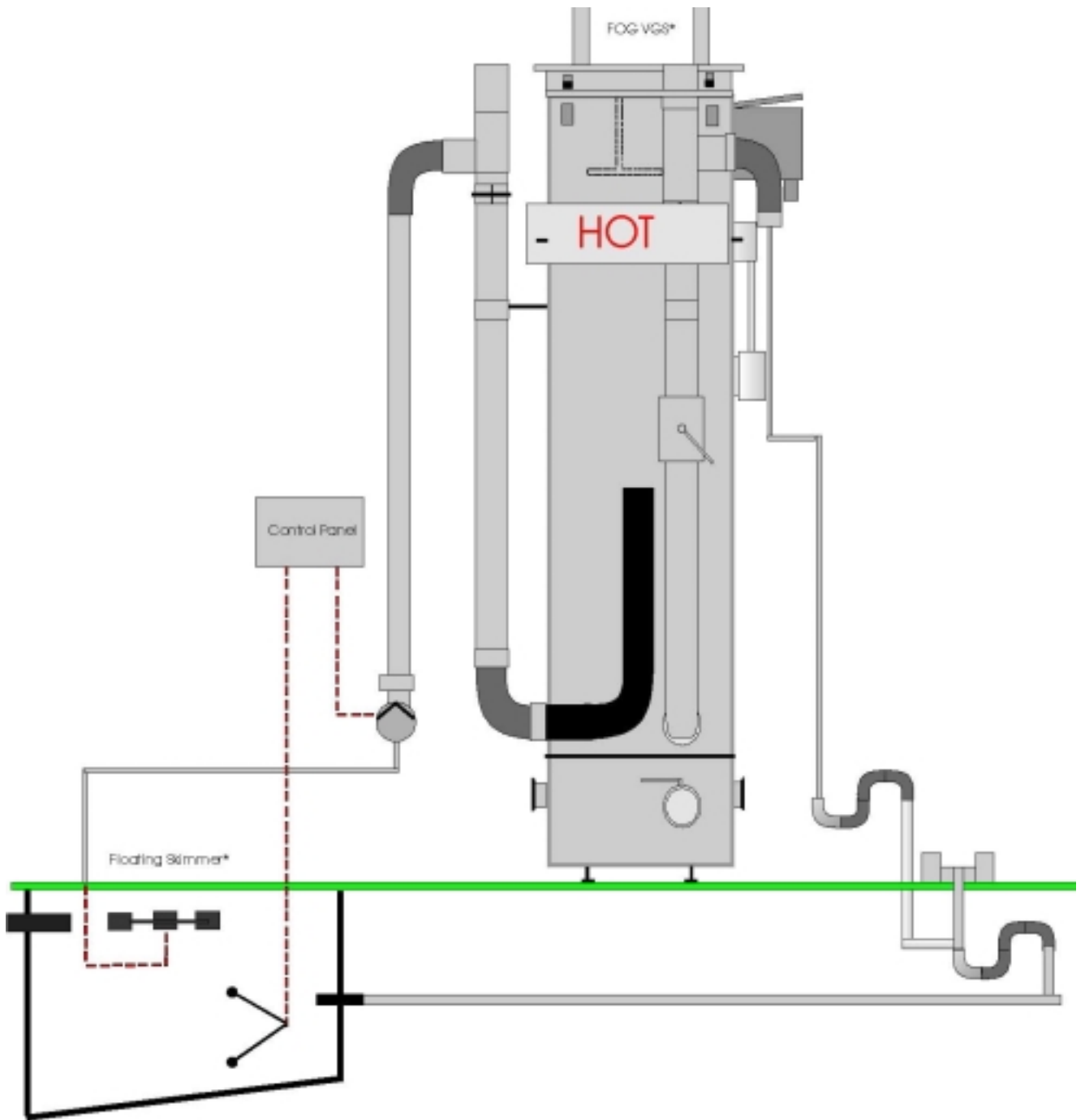
- Backup for emergencies
- Prevents blockage to the pump

DIAGRAMS

3.1 Typical Skimmer Installation (Fixed Skimmer)



3.2 Typical Skimmer* Installation (Floating Skimmer*)



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