

Scavenge Air Box Drain Tank for Marine Engines

This scavenge air box drain tank collects cylinder oil relict, combustion products, and leaky system oil from the scavenge air box. After oil gas separation and contaminant precipitation, the dirty oil is transferred to the residual oil tank via a residue oil pump.



Product Overview

Marine Engine Efficiency Component

The scavenge air box drain tank is an essential marine engine component engineered to collect cylinder oil, combustion remnants, and leaked system oil. By utilizing internal separation mechanisms, it effectively isolates contaminants before transferring processed residue to the residual oil tank. This system is critical for maintaining engine performance, reducing harmful emissions, and ensuring strict compliance with maritime environmental regulations.

Technical Features

Primary Functions

- Oil and water separation
- Collection of combustion remnants
- System oil leak management
- Automated residue transfer

Design Specifications

Cylindrical body, Internal separation baffles, Pressure monitoring, Corrosion-resistant materials

Operational Components

System Interfaces

Component	Purpose
Pressure Gauge	Monitors internal tank pressure
Drainage Valves	Facilitates system discharge and sampling
Residue Oil Pump	Transfers waste to residual oil tank
Access Points	Allows for inspection and maintenance