

Industrial Oil and Water Separator Test Bench

This industrial oil and water separator test bench is designed to assess oil and water separation characteristics of oil filters. It adheres to ISO / TS 16332-2006 standards for evaluating the fuel water separation effect of diesel engine dust filters.



Overview

Industrial Oil and Water Separator Test Bench

This advanced test bench is designed to assess the performance of oil and water separators, specifically tailored for diesel engine fuel filters. It provides precise testing capabilities for oil-water separation efficiency and filter cleanliness, ensuring compliance with international standards. Built with durable stainless steel and aluminum alloy components, it features automated data acquisition and comprehensive safety systems for reliable operation in quality control and third-party testing environments.

Standards & Compliance

Certified Standards	ISO/TS 16332-2006, ISO 4020-2001, SAE J 905-1999
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Technical Specifications

Monitored Parameters

- Test flow
- System pressure
- Orifice device pressure
- Pressure difference between test pieces
- Medium temperature

Construction Materials

Component	Material
Test bench shell	Aluminum alloy
Control panel	Stainless steel
Connecting pipes	Seamless stainless steel

Features

System Features

- Automatic performance parameter acquisition
- Frequency converter-controlled flow regulation
- Integrated hydraulic and electrical safety protections
- Leakage and overload protection
- Emergency stop functionality

Applications

Primary Applications

Product Quality Control • Performance Comparison • Third-Party Testing • Supervision Agencies