

Applications in Wastewater Treatment

- Refinery Unit Water
- Produced Water on Offshore Platforms
- Produced Water on Onshore Drill Rigs
- Bilge & Ballast Water
- Chemical Plant Unit Water
- Chemical Processing
- Tank Cleaning
- Steel Cooling

Related Components for System Completion

- Non-Shearing Pumps
- Emulsion Breaking
- Chemical Dosing
- Metal Precipitation
- pH Control
- Main Control Panels
- Holding Tanks
- Sludge Pumps
- Transfer Pumps
- Bag Filters
- Multi-Media Filters
- Oil Sorbent Filters
- Effluent Instruments
- Effluent Recording
- Platforms and Stairs
- Carbon and OrganoClay Filter
- ASME or NON-ASME Code Vessel

The Compliance Master — IGF Induced Gas Flotation

The Compliance Master IGF is an enhanced gravity high performance flotation type oil water separator. The Compliance Master IGF is designed using API publication 421 criteria, the industry authority on oil water separation science.

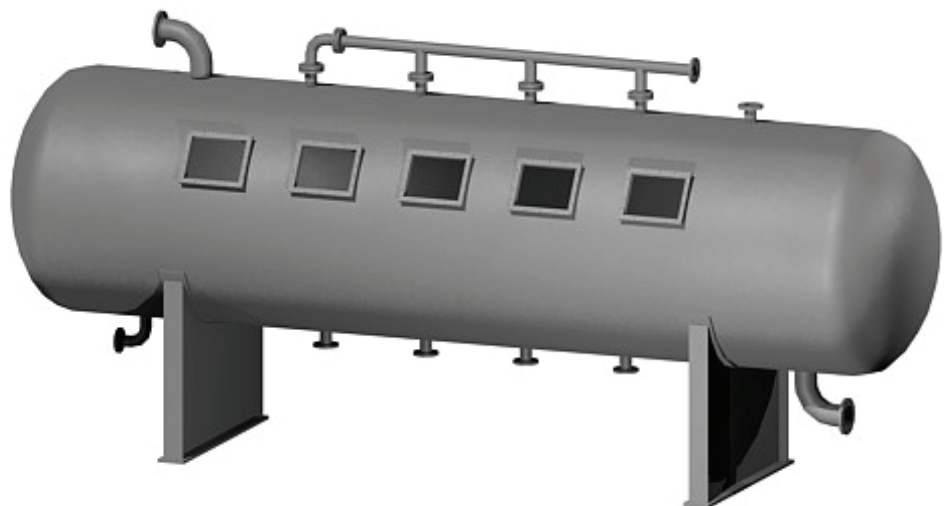
The Compliance Master IGF with the Multi-Bubble SRS-C system enhances an oil's natural tendency to rise in water by producing and attaching various sized gas bubbles to oil particles thereby enhancing particle buoyancy and separation from water. The SRS-C bubble formation system uses high performance gas induction pump to create the Multi-Bubble mixture. The IGF then introduces the "Multi-Bubble" mixture of formed and forming gas bubbles into the multiple inlets of separate flotation/separation chambers providing progressive performance of up to 99+% particle removal efficiency. The formed bubbles attach to larger particles (oil and light solids), and thousands of microscopic forming bubbles attach and enmesh the smaller harder to trap particles exploiting surface tension and small size. The more attached bubbles, the more efficiently particles will float. The Multi-Chamber Multi Bubble approach provides robust and reliable effluent performance in a relatively small and affordable package.

The Compliance Master is available in a variety of materials of construction and coatings and with accessories, pump packages, and insulation.

APPLIED MECHANICAL TECHNOLOGY—A WORLD CLASS SUPPLIER

Applied Mechanical Technology is a *FULL SERVICE* supplier to the water/wastewater industry. We not only design and build the core technology of our systems and equipment but we also install, service, optimize, startup, and train operators too. If you need a simple oil water separator—or a complete industrial wastewater system, Applied Mechanical Technology has the resources to help you from design to completion.

Value by Design—High Performance and Low Cost



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