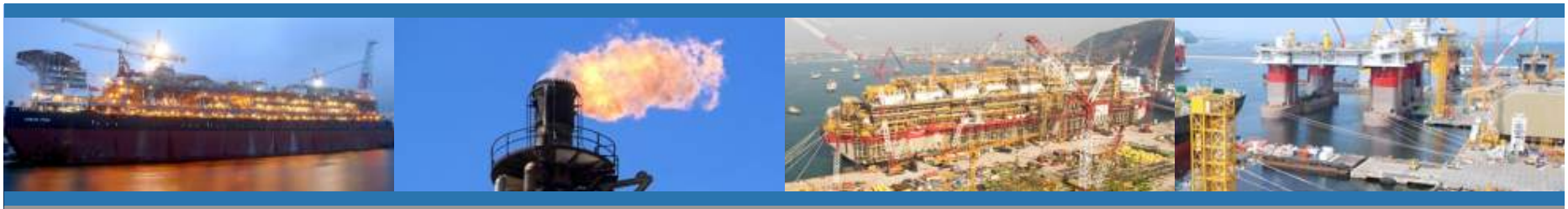
Hamworthy Oil & Gas

Environmentally sound solutions for offshore oil & gas applications



Presentation

Main Contractor Week 2010

INTSOK Houston

Hamworthy is a leading provider of specialist equipment and services to the marine, oil & gas and industrial markets and is regarded as a global leader with enviable expertise in:

- Pumps and Pumping Systems
- Inert Gas Systems
- Emissions Control Systems
- Oil & Gas Handling Systems
- Water Management Systems

www.hamworthy.com

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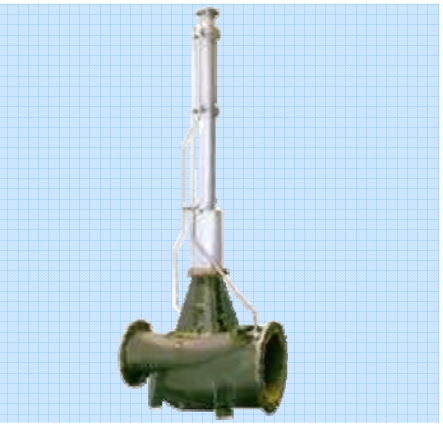
Pumps & Pumping Systems - Deep Well Pump Applications

String Test Tower

El. Motor on Weather Deck

Submerged Ballast Pump



SWL and FW Pumps

Advantages of Electric Driven API Pumps

- High system efficiency
- Use of ”clean” electricity
- Minimal CO2 emission to air
- Low noise; ~83 decibels
- Low vibration
- High regularity
- Low maintenance
- No oil spill on deck or to sea

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Pumps & Pumping Systems - In-Line Pump Applications

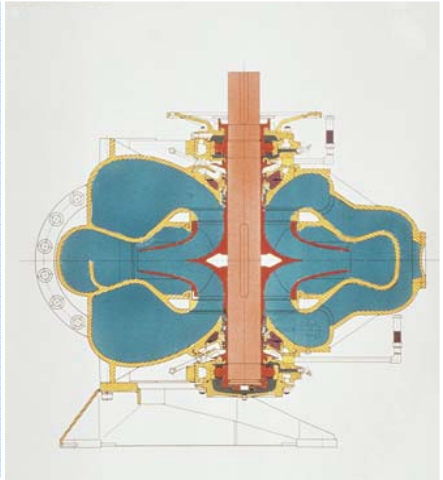
Diesel Hydraulic Fire Water Pump

Seawater Lift Pump

Submerged Ballast Pump

Advantages of Hamworthy Pumps

- Vertical or horizontal
- Clock- or anticlockwise
- Light weight, compact design,
- Short robust shaft
- Mechanical seal w/ barrier fluid
- Ni-Al-Bronze Casing
- Capacities up to 6500 m3/h



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Inert Gas Systems and Emission Control Systems

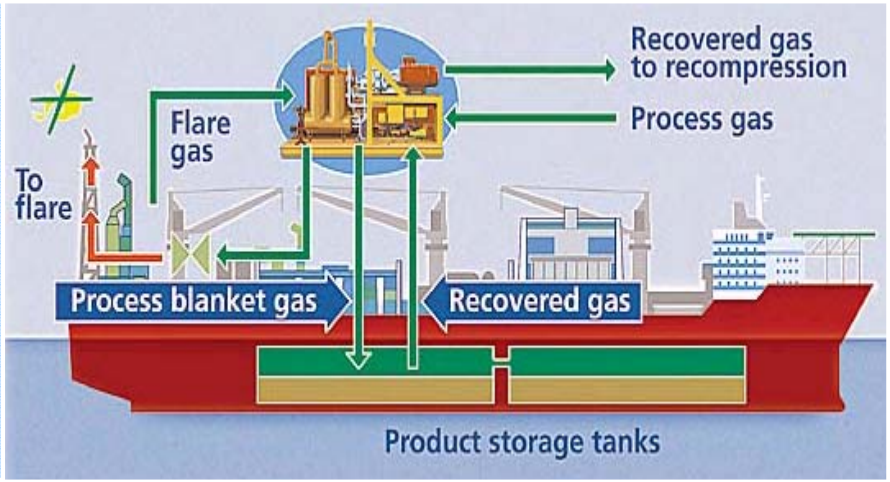
Inert Gas Generator and HC Blanketing Systems

Flare Gas Recovery System

Flare Ignition System

Advantages of IGG + HC Blanketing

- IGG 'passive' gas for tank inerting and gas freeing prior tank entry.
- IGG no requirements for ATEX
- IGG is mandatory
- HCB closed process with no emission of VOC
- HCB means increased production.
- HCB approved by all class societies.
- **IGG+HCB optimal, flexible and environmental friendly system**



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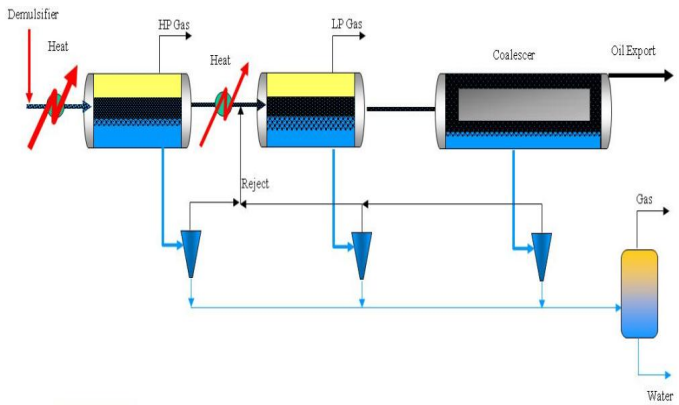
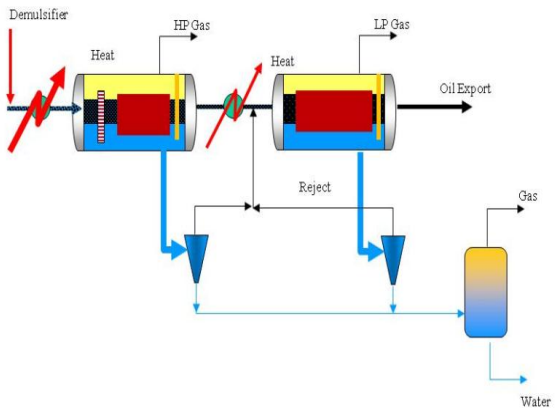
Oil and Gas Handling Systems – Vessel Internal Electrostatic Coalescer

VIEC

Conventional Design

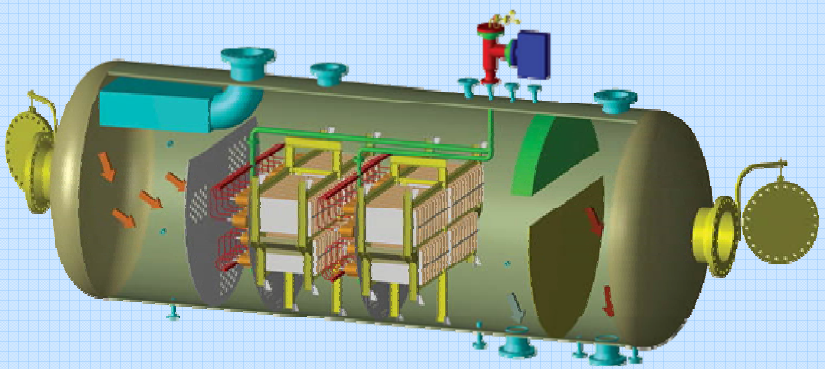


Move Coalescer upstream



Advantages of VIEC

- Increase production
- Improve separation of heavy oils
- Improve produced water quality
- Cost reduction by less emulsion breaker consumption
- Cost reduction by less heating requirements
- Improve process control
- Less fresh water for desalting
- One- stage separation



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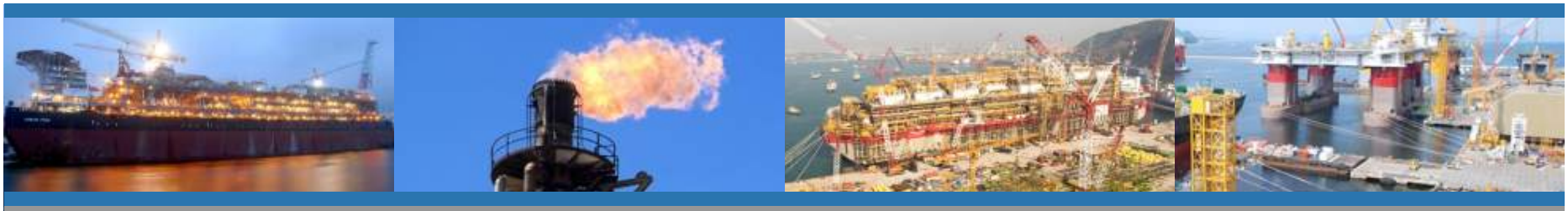
Contacts



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