

# The CD92-MBP: "Micronizer Blending Processing System"

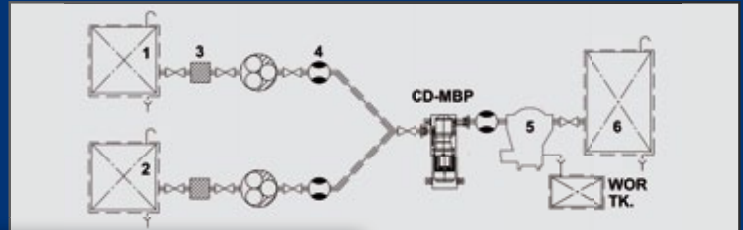
**No experiments.  
Choose the Original.**

Meet the permanent rising of Fuel costs!

## Protect your budget!

## Ask for S.I.T CD92-Homogenizer!

Following see the potential of our CD92-System to reduce fuel costs.



### CD-MBP

1: HFO-Settl. Tk    3: F. O. Filter    5: F. O. Separator  
2: MDO-Serv. Tk    4: Flowmeter    6: F. O. Serv. Tk

### Blending Operations

The oil phase in a stable residual fuel oil prevents the micelles from interacting and sticking together. Poor quality control at the manufacturing stage can render a fuel unstable. The blending process is the critical operation which will determine the stability of the finished fuel. The diluent use must be compatible with the residue. The mechanism of the blending process itself is equally important. The components must be completely homogenized and this is extremely difficult to achieve without suitable efficient blending equipment (in this respect: CD92-Mycronizer). The tank circulating process is blending these different types of fuel to one stable blended product. Even purification cannot separate the different types of fuel. In order to meet viscosity requirements, residual fuel oil is blended with a diluent, which is asphaltene free, and may originate from a variety of manufacturing processes. The type of diluent used will depend on the properties and concentrations of both the oil phase and asphaltenes in the residue.

### Effects & Benefits...

- ✓ Stable blends HFO / MDO / DO
- ✓ Stable blends of Sulfur 1,0% limits.
- ✓ Stable medium (all types of fuel)
- ✓ No separation by purification.
- ✓ Reduced clogging of fine filter.
- ✓ Extended flushing intervals for F. O. Separator.

**Only achievable with  
CD92-Mycronizer.**



The Core of each CD92-system:  
Different Application, same CD92-Homogenizer.



The effects of sludge formation in a residual fuel oil on board ship can result in choked centrifuges, filter blocking, heater fouling and, ultimately, engine shut down and damage. Stability is therefore a vital property of residual fuel oil. S.I.T establishes a new, improved technical standard in order to be able to continue to guarantee an economic and ecological use of heavy fuel oils in future.

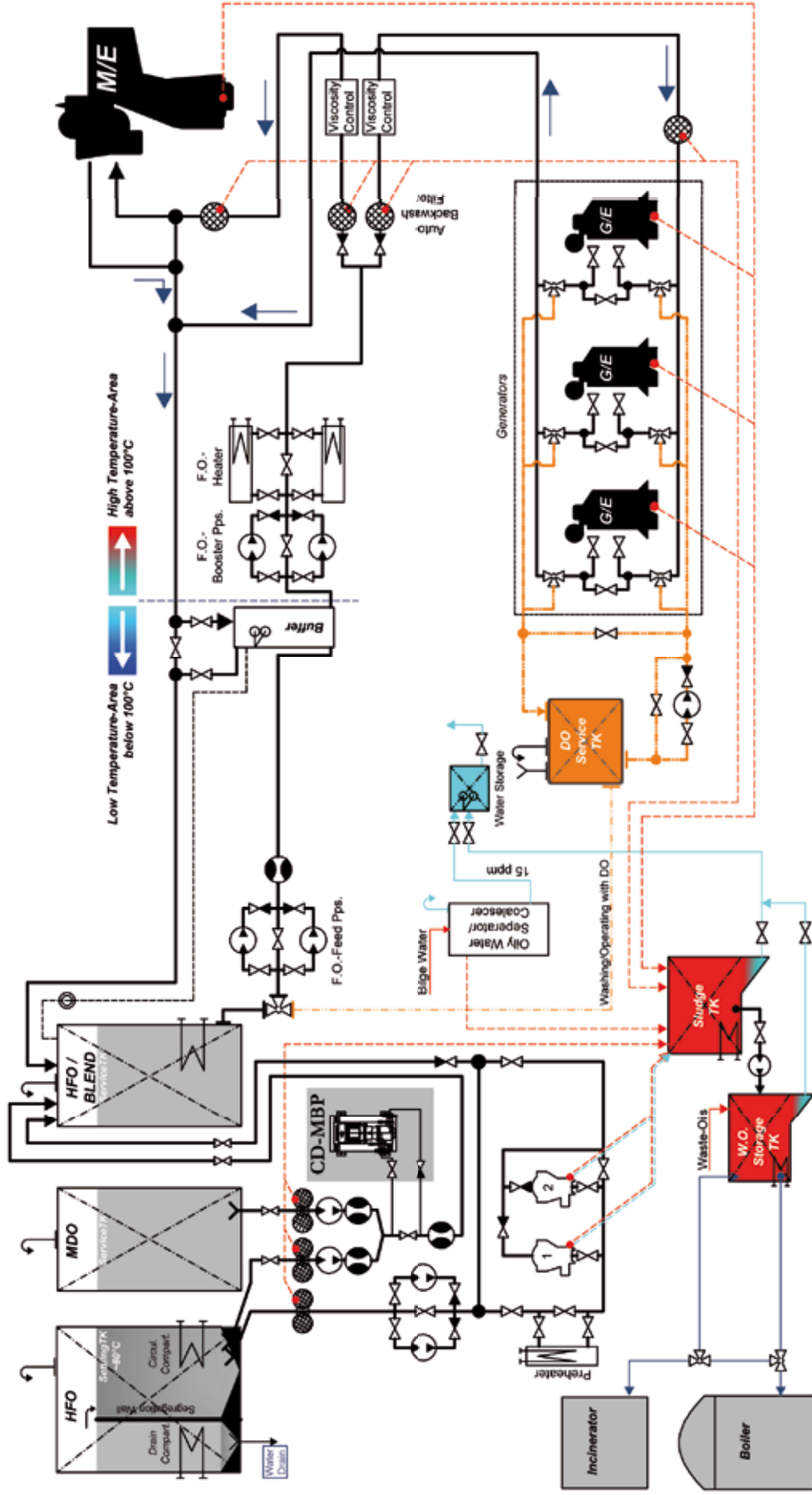
S.I.T systems are approved by class societies ABS & LR and complying with Marpol 73/78, IMO 2000 requirements.



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# The CD92-MBP: "System-Description"



**ONLY APPLICABLE FOR S.I.T-CD92™ MYCRONIZER!**  
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