

### Blending

DN32 Flexblender (Automatic) - for Heavy Fuel Oil Power Plants

#### TURNKEY SOLUTIONS

There are many variables to take into account when fitting a blending system and our highly skilled engineers will adapt our system to fit your exact requirements.

#### TECHNICAL SUPPORT

We are with you all the way. Before, during and after the implementation to secure a flawless integration and operation.

#### ZERO DOWNTIME

As a central part of a bunker delivery system; mechanical stability, toughness and durability is an important aspect of the manufacturing and design philosophy.

For more information on these or other of our products or services please visit us on the Web at:

[www.cbi.dk](http://www.cbi.dk)

## Fuel Blending System for Power Plants

Blend your own Fuel using HFO and Distillates



## Reduce fuel costs by Blending your own fuel

*The economy of a Power Plant is highly influenced by the oil prices. Even running on Heavy Fuel Oil (Residual Fuel Oil) is becoming more expensive.*

Depending on your engines, you are using HFO with a viscosity as high as 750 cSt @ 50°C, but most engines use lower viscosities.

If, like most power plants, you buy your HFO from an oil company or a terminal, the price will be influenced by several factors - chiefly the market price, but also the cost to blend the viscosity you require, storage of the finished product and risk.

For upstream oil operations, making use of locally available fuels to generate the power required is a key requirement, as facilities are often located in remote onshore locations or offshore with no or limited access to an electricity grid system, and transportation of large

quantities of expensive premium fuels to the site location is problematic and uneconomic.

However, the Go4 DN32 Flexblender is able to cut some of the cost.

Because, as a power plant you buy large quantities, you can buy a very heavy (high viscosity) HFO on the open market and BLEND it with a distillate (MGO/MDO/ADO or the like) and reach the exact viscosity you require. With the Go4 Fuel Blending System you remove guesswork and uncertainty from the blending process.

The system is a scaled down version of similar systems used by professional fuel oil suppliers around the world and with the same attention to detail and safety.

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#### SERVICES AVAILABLE

Consulting Services  
Technical Support  
Installation and Setup  
Maintenance  
Warranty

## Technical Specifications DN32 Flexblender (automatic)



## Constant, Reliable Operation

Blending Capacity 3,6–7,8 m<sup>3</sup>/Hour  
Blending Range 1-99%

#### Easy to operate

Select the desired viscosity on the LCD display and the operation runs automatically.

#### Safety first

The unit has triple security measures to avoid any spillage or accidents.

#### Easy installation

The unit comes complete with fuel pumps, valves, safety valves, blending unit and automatic control and adjustment of the required viscosity.

It can be dismantled for easier access to the engine room during installation.



## Optional versions

#### Manual system

A low cost basic blending system for attended operation, but the same high quality components.

#### Semi-Automatic System

The same basic blending system as the manual system, but with automatic viscosity measurement. However, blending adjustments must be made manually.

#### Safety Measures

1. Sensors for over-heating will shut down the pumps
2. Pressure relief valves in the pumps will recirculate
3. Pressure relief valves after the pumps will lead flow back to tanks

Description	Specification
Production Capacity	3,6 - 7,8 m <sup>3</sup> per Hour
HFO Fuel Line	DN50 / 2"
MGO Fuel Line	DN40 / 1½"
Blended Fuel Line	DN50 / 2"
Mains Supply	400 VAC 50 Hz 10A
Max Operational Pressure	6,8 bar
Measurements (LxWxH)	1120 x 1120 x 1250 mm
Weight	450 kg /1,000 lbs



INTELLIGENT BUNKERING SOLUTIONS

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