



Nelson "Bilge Boy" 2.5gpm / 0.5m³/hr / 9.5l/min

IMO Approved oily water separators

Description

Discharge your bilge water with confidence. Nelson proudly offers the Bilge Boy oil/water separator to help you meet bilge water discharge regulations. The Nelson Bilge Boy is economical

Features

Nelson Bilge Boy oil/water separators are two stage systems:

- Gravity Separator - This contains a single inclined plate.
- Coalescer - This uses a replaceable filter element.



The Nelson Bilge Boy comes with a differential pressure gauge to help you keep it operating at peak performance.

Standards



The Bilge Boy meets standards set by both the U.S. Coast Guard (USCG) and the International Maritime Organization (IMO). In fact, the USCG approval testing demonstrated that the Bilge Boy is extremely efficient in removing oil: well below the 15ppm limit needed for approval.



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Specifications

General Description The Nelson Bilge Boy efficiently removes oil from bilge water. The systems do not require the use of chemicals or additives. The suffix letter specifies the electrical power source used. "A" is for 115 Volt AC 50/60 Hz, and "B" is for 220 Volt AC 50/60 Hz.

Nelson Bilge Boy oil/water separators are two stage systems. The first stage is a gravity separator that contains a single inclined plate. The second stage is a coalescer that uses a replaceable filter element.

Gravity Separator Most of the oil is removed from the bilge water in the gravity separator housing. Large oil drops rise to the top of the housing due to the lighter density of the oil. The oil collects at the top of the housing and is periodically pumped to an oil storage tank.. Small oil drops flow with the water to the bottom of the gravity separator and are pumped into the coalescer housing.

Coalescer The remaining small oil drops are separated from the bilge water in the coalescer housing. The small oil drops combine into larger oil drops as the bilge water flows through the coalescer element. The larger oil drops release from the element and rise to the top of the coalescer housing. Oil collecting at the top of the coalescer housing flows through the oil return tubing to the gravity separator for permanent removal.

Coalescer Element Life Oil and water pass through the coalescer element. Solid contaminants in the bilge water are trapped by the element and cause an increase in the element's restriction. Too high of a restriction reduces the element's ability to separate the oil from the water.

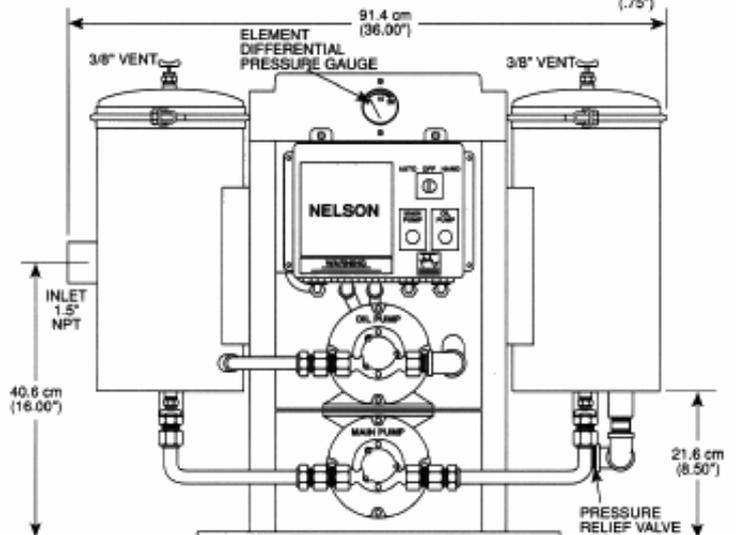
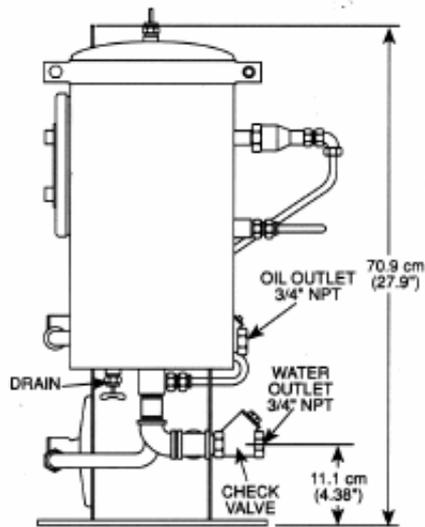
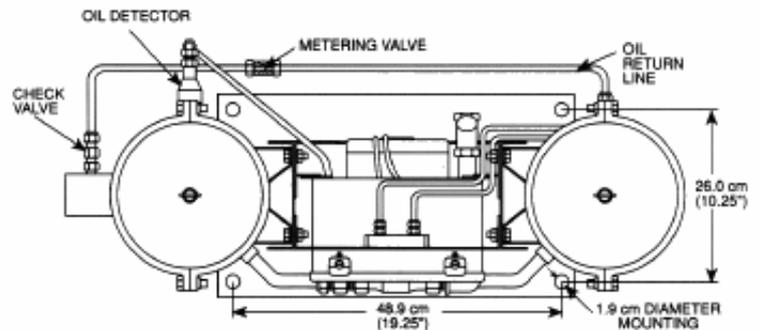
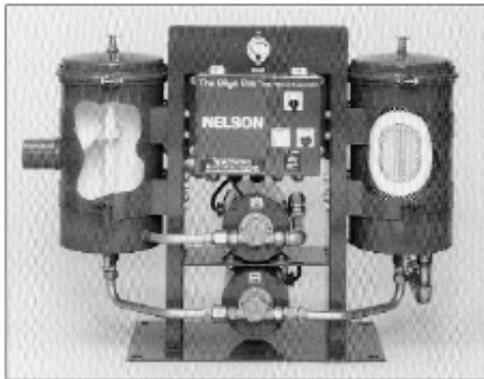
Each Bilge Boy is equipped with a differential pressure gauge. This gauge measures the restriction of the coalescer element so that the operator may change the element at the appropriate time. A gauge reading greater than 0.7 bar (10 psi) indicates that the element should be replaced.

Technical Details

Model Ref	96504	
Flow	0.5m ³ /hr (9.5Lit/min)	
Power	96504A – 115vAC 50/60Hz 96504B – 220vAC 50/60Hz	
Weight when dry	70 kg	150 lbs
Length	91 cm	36"
Height	71 cm	28"
Width	41 cm	16"

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Dimensions



BB00311DXX
2.5 GPM Separator Skow