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#### **Pressure Relief Valve:**

The pressure relief valve is necessary to ensure that the design working pressure of the vessel is not exceeded in cases of thermal expansion.

- Mandatory accessory according to specification EI 1596 3rd edition

#### **Automatic Air Eliminator:**

Permits the evacuation of air during filling and closes automatically when the vessel is full of fuel. It also allows the automatic elimination of entrained under flow conditions. If associated piping and tank heights could allow the vessel to self-drain by gravity, allowing air to enter via the air eliminator, a soft-seated non-return valve should be installed.

- Mandatory accessory according to specification EI 1596 3rd edition

#### **Differential Pressure Gauge:**

The differential pressure gauge measures the difference in pressure between the inlet and the outlet of the vessel. Monitoring of differential pressure provides an indication of the particulate loading of the filter elements and element change out limits.

- Mandatory accessory according to specification EI 1596 3rd edition

#### **Sampling Probe:**

Sampling connections are provided at the inlet and outlet of the vessel to enable membrane tests or other fuel quality checks to be carried out.

#### **Slug Valve:**

Water slug valves may be mounted to the outlet of the filter water separator. A vessel mounted float pilot assembly provides a hydraulic signal to the slug valve to close in case of a rising water level in the vessel. The slug valve will reopen once the water is drained.

A water level alarm may be installed in the sump or drain points to alert the operator to the presence of water.

#### **Sight Glass:**

Visual water level indication

#### **Manual Drain:**

For drawing samples from the sump for analysis, draining of accumulated water and allows the complete draining of the vessel when changing elements.