

PROTEGO® Gas Liquid Separator

PROTEGO® BE/SRL - Device for Pipeline Venting



The unique Gas Liquid Separator PROTEGO® BE/SRL enables terminal operators to safely pump product through long pipelines and prevent floating roof tanks from being destroyed.



PROTEGO® BE/SRL

Challenge

Pipelines between jetties and terminals often span distances of up to several kilometers. Built-in expansion loops and truck passages create air traps. When the crude oil is being pumped from the ship to the storage tanks, air is compressed, then released under high pressure into the storage tanks, especially at the beginning of the process. Unfortunately, this can destroy a floating roof.

PROTEGO®, in co-operation with a large oil terminal operator, has developed an automatic venting device. This liquid separator is installed on top of an expansion loop, where it can quickly and safely vent the trapped gas and knockout the liquid within the pipeline.

Besides safely preventing the floating roof to lift, this device also allows faster filling of the floating roof tank.



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Solution

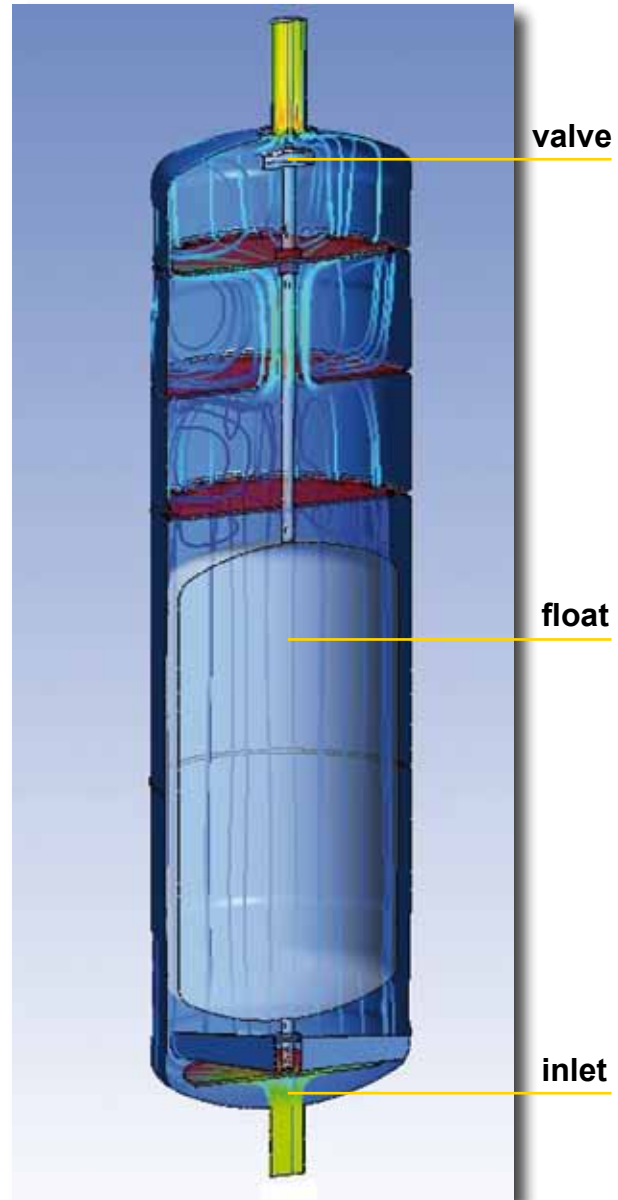
The Gas Liquid Separator PROTEGO® BE/SRL provides beneficial advantages that include:

- design pressure 6 bar
- gas relieving scenario 0 – 6 bar
- high venting rate of 10 Nm³/min at 100 mbarg
- no liquid carryover
- long lifetime
- withstands harsh operating conditions
- easy to maintain
- low spare part costs
- increased liquid filling rates to floating roof tank

Function

Provided the device is filled with only gas, the float has no lifting force. When the float is in the lower position, the valve is open and gas can discharge through the upper outlet flange.

The special construction of the device prevents the float from being lifted by the gas flow and safely knocks out liquid particles which are carried over in the gas stream.



PROTEGO® BE/SRL Streamlines

Feel free to contact us with any questions!
Our PROTEGO® team is happy to consult you!

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