

PRESSURELESS BRAKING RESISTOR

JEVI designs and manufactures freshwater- and seawater-cooled braking resistors. This type of braking resistor is primarily developed for the oil and gas industry and can be used on drilling ships, FPSOs, jack-ups and cable-laying ships.

The braking resistor can also be used to dissipate electrical braking energy from winches, top drives, propellers, cranes and other electrical systems.

We can supply the system with instrumentation in accordance with customer requirements. Options include temperature sensor, level switch, pressure transmitter, pressure gauge, thermostats, drain valve, etc

SPECIFICATIONS

Type:
- Freshwater-cooled
- Seawater-cooled

Classification:
- Safe area or ATEX and IECEx certified

Voltage:
- 3 x 690 V AC. Max. 1200 V DC

Junction box:
- AISI 316L

Ingress protection (IP):
- IP66

Resistor elements:
- Incoloy 825 when the medium is fresh water
- Titanium when the medium is seawater

Inlet temperature:
- 0C°

Outlet temperature:
- 65°C (max 95°C) for fresh water. Max 60°C by sea water

Overtemperature protection:
- Included and adapted to the specific application.

Dimension:
- 3500 x 180 x 400mm

Design/construction:
- A vessel/container where the cooling medium is seawater is supplied with coated surfaces on parts in contact with the medium, except for the resistor elements, which are made of titanium.
- 3.1 material certificates are enclosed.

Test pressure:
- Adapted to the current application.

Outlet temperature sensor:
- PT-100 sensor with 4-20 mA amplifier/transmitter at the outlet.

Level sensor:
- A level gauge is placed on top of the vessel to ensure that there is water in the vessel before the resistor is used.

Drain flange:
- The vessel has a drain flange without a valve

Flange:
- All flanges can be customised to customer requirements. As standard, flanges are manufactured according to DN or ANSI.

OTHER:

Corrosion protection:
- Freshwater-cooled, supplied without anodes
- Seawater-cooled, supplied with anodes



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