FRP

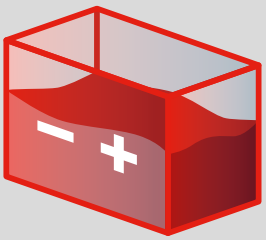
FIAMM

FIAMM Recombination Plug (FRP)

Mantain the electrolyte level

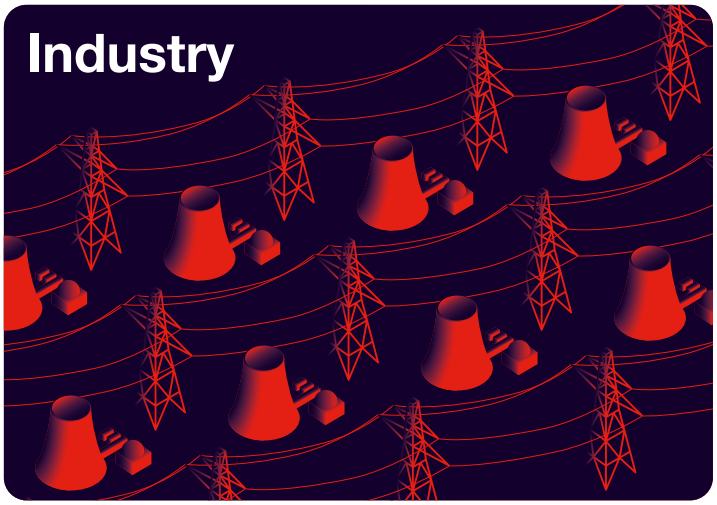
Prevent flame propaga-tion

Flooded technology

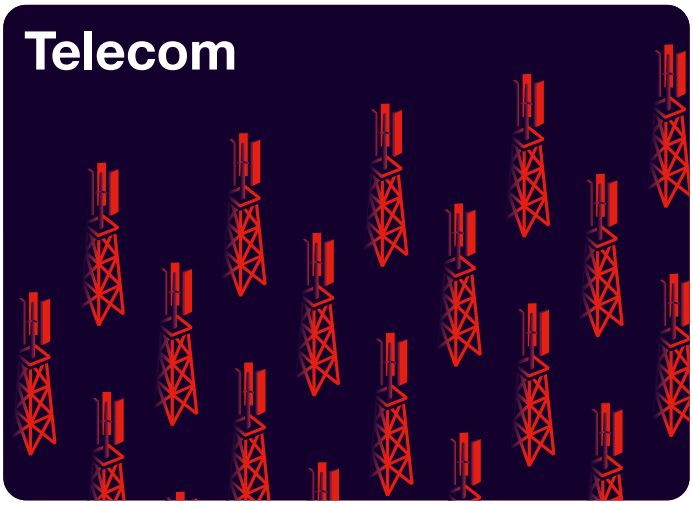


High-recombination performance

Industry



Telecom



FRP

Designed for all FIAMM flooded cells

Electrolyte level is one of the most critical aspects of flooded cells. The water consumption and electrolyte refill play a crucial role in cell's performances and life.
FIAMM recombination plug (FRP) is a device specifically designed to reduce the water consumption and preserve the health and life of flooded cells.
How it works?
It is a compact plug containing a catalyst that allow to recombine hydrogen: it recombines the hydrogen generated in the cell, during the normal power reaction, and converts it back to water that is automatically returned to the cell.
This process significantly reduces the need for routine topping-up thanks to high recombination performances (up to 98% of hydrogen is recombined), preserving electrolyte level.
A further benefit of installing a FIAMM Recombination Plug is an increased safety level of the battery room.
As a matter of fact, FRP reduces free hydrogen gas concentration into the battery room because the hydrogen is recombined into water. The result is a considerable reduction in risk of fire.

Moreover, FIAMM recombination plug is compliant to international standard CEI 61430: it is tested to prevent flame propagation.
It is provided with filtering arrestor pads to avoid flame or sparks propagation inside the cell.

FIAMM Recombination Plug is supplied with rubber gasket to fit perfectly on the cell: it can be easily installed on all FIAMM flooded models: LM, LM/S, SGL, SGH, SD, SDH.

MAIN BENEFITS & ADVANTAGES
- Increase the time interval between topping-up action.
- Preserves the electrolyte level
- Reduce service time
- High recombination performance (up to 98%)
- Reduces room ventilation requirements
- Safe - thanks to flame arrestor pads
- Easy to install
- Flexible: it can be installed on all main FIAMM flooded cells
- Compact design

LM & LM/S

SGL SGH

SD SDH