

# The Pulse of Power

Newsletter from ABB Power Technologies, Components

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## ABB increases the production capacity for Resin Impregnated Paper (RIP) bushings

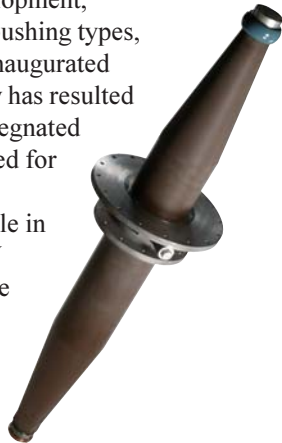
We are pleased to announce the release of a new line of transformer bushings!

Our commitment to product development, experience gained from existing bushing types, and last but not least, our newly inaugurated state-of-the-art production facility has resulted in this new line of dry Resin Impregnated Paper (RIP) type bushings intended for immersed oil-SF<sub>6</sub>. The product is named **GSBK** and will be available in April for the 245/362/420/550 kV voltage classes, and in June for the 170 kV class.

RIP technology has been demanded by many utilities in the market for several years. This demand was the driving force for ABB to invest in additional production capacity for RIP bushings.

The RIP technology offers a number of advantages:

- A weight reduction of 30-50 % when compared to corresponding oil impregnated bushings.
- With no porcelain or oil the installation is quicker, cheaper and safer.
- Due to the fact that no oil is contained there is no need to have an expansion volume at its highest point meaning that no mounting restrictions or waiting time before energizing applies.
- Of course, the implementation of RIP bushings means that the oil level does not have to be regularly checked and the question of taking oil samples does not arise.
- RIP bushings do not contain any oil and therefore eliminates any risk of oil leaks. It also offers a higher fire resistance as RIP proves to be self-extinguishing meaning that a transformer fire will not be maintained or propagated.



These advantages are direct benefits for the end-user as well as for the transformer manufacturer and offer both cost saving benefits as well as environmental benefits. Complete technical information can be found in the attached technical guide, or from your sales representative in our company.

ABB will focus the production of oil-SF<sub>6</sub> bushings in Ludvika, Sweden and of oil-oil bushings in Zürich, Switzerland at Micafil.

Later this year, our production line for RIP bushings will start to produce oil-air bushings up to 550 kV. Further information will be announced separately.



*Moulding of RIP bushings*

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