



■ Use Case: Compressed air in the automotive industry

An investment in the future

A global, independent supplier in the automotive industry set up a fuel cell test stand for a customer, which is to be operated safely with compressed air class 1 (ISO8573-1).

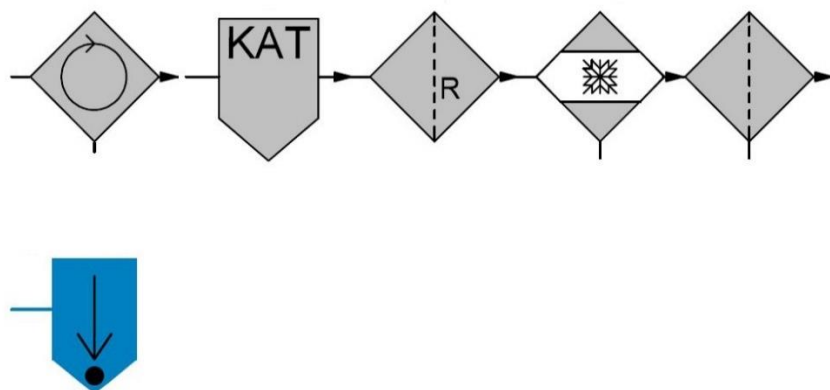
Challenge:

The test stand and the compressed air treatment take place in a new, empty hall with a ring line for compressed air. Here, the branch of the ring line supplying the test stand must be upgraded so that compressed air class 1 for the residual oil content of the compressed air (ISO8573-1) can be achieved.

Solution:

The customer is already using a BEKOKAT CC 360 catalytic converter and is extremely satisfied with the user-friendliness of the unit, the promised and maintained quality result and the operational safety with regard to Class 1 residual oil vapour in the compressed air of ISO8573-1.

Thus the decision for this application was again made in favour of a BEKOKAT. The unit converts the residual oil content in the compressed air completely into carbon dioxide and water by total oxidation. The process constantly produces oil-free compressed air with a maximum residual oil content of hardly measurable 0.003 milligrams per cubic meter. The price and easy integration into the existing compressed air system were also decisive factors. The installation of the plant was carried out by our service department.



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Conclusion:

Everything went fine. The customer is very satisfied with the entire process and the results in ongoing operations. In 2021 another test stand with the use of a BEKOKAT is planned.

Additionally, the topic of residual oil content measurement and monitoring by the BEKO TECHNOLOGIES product METPOINT OCV remains interesting but was not covered in the budget for this purchase.

Products:

Water separator CLEARPOINT M020
Compressed air fine filter CLEARPOINT M022
Catalytic converter BEKOKAT CC 1200
CLEARPOINT M022 dust filter
Refrigeration dryer DRYPOINT RA 1080AC-OF
Oil-water separator ÖWAMAT 12

Edition: USC0003, May 2020