

Like floating on clouds as you fly: with Parker Rectus couplings from Bachofen

The customer

The Swiss specialist Caynova AG ensures a feel-good experience for air passengers with its innovative pneumatic comfort system, used by such renowned airlines as SWISS, Lufthansa, Air Canada and Etihad Airways.

The initial situation

The key element of the pneumatic comfort system for passenger seats developed by Caynova is an air cushion whose firmness can be partially adjusted to the individual requirements of passengers. Heating, cooling and a massage function further enhance comfort. Caynova's designers were looking for an aviation-compatible solution for the couplings of the air pressure hoses – and found it with the help of Bachofen.

Project requirements

- ▶ 100% airtight
- ▶ Compact design, low weight
- ▶ Compressed air range 150 mbar
- ▶ High functional reliability
- ▶ Quick assembly and removal
- ▶ Compliance with aviation industry standards
- ▶ Temperature range -15°C to 55°C.

Bachofen's solution

The designers at Caynova considered various options when sourcing the couplings. After consultations with Bachofen, a high-quality product from Bachofen's technology partner Parker Rectus soared far above its com-



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petitors. The brass coupling with safety push button stays absolutely airtight, is lightweight and takes up very little space. It can also be quickly and easily replaced in the event of a defect – a big advantage if this has to be done during a short stay at a foreign airport. Thanks to

the Bachofen consultants' understanding of the specific requirements of this application and their careful evaluation of the product, Caynova can be fully confident of the functionality of the couplings.

***"It's a pleasure to work with
Bachofen's pneumatics experts on
finding viable solutions."***

Timon Dolder,
COO and CTO of Caynova AG, Langenthal

Project technology partner

