

How fittings from AVS Römer open up new possibilities

Push-in fittings revolutionise Cimbali portafilter machine M40



Success Story
Gruppo Cimbali S.p.A.

LA CIMBALI

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Tradition meets innovation

Connection technology plays a central role in the development and functionality of professional portafilter machines. To date, many manufacturers still rely on conventional solutions such as copper piping with compression fittings. A technology that is proven, but is increasingly reaching its limits in terms of assembly, flexibility and cost structure. In view of growing demands for efficiency, modularity and cost-effectiveness, it is clear that those who want to remain competitive in the future must question the established order and break new ground. Modern push-in systems offer promising approaches in this regard.

At a glance



The customer Gruppo Cimbali S.p.A.

Cimbali, a leading global manufacturer of professional machines for espresso coffee drinks.

The project

Cimbali took a revolutionary step with its latest model of the M40 portafilter machine: in collaboration with AVS Römer, Cimbali switched from conventional connection technology to push-in fittings – without compromising on the quality, safety or feel of the machine.

The requirements:

- Introduce push-in technology as a new connection concept
- Use space-saving, temperature-resistant and flexible FEP hoses
- Use flexible and modular components
- Reduce assembly time and costs
- Exploit synergies for the design of fully automatic machines

The project's objective was ambitious – and clearly defined: to significantly reduce assembly costs, create more flexible design options and leverage synergies for the development of future fully automatic machines.

The result

The new, innovative M40 portafilter machine with a revamped interior and design. Improved ergonomics and technology, more digital features and efficiency. As a partner by their side: AVS Römer. The new concept was developed and implemented in close collaboration.

„The collaboration with AVS Römer represents a perfect example of how technological innovation can integrate with manufacturing tradition.“

Andrea Coccia, R&D Director, Gruppo Cimbali S.p.A.



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The challenge

The switch to push-in technology meant a radical redesign of the machine architecture. The internal construction had to be completely rethought. This transformation required close coordination in product development between Cimbali and AVS Römer – over several development cycles, including sample tests and technical adjustments.

The solution

From the water inlet to the boiler, AVS Römer develops and supplies a complete range of functional fittings and connectors – precisely tailored to the requirements of the new machine type. The materials PPSU, PK and stainless steel ensure reliable performance in various temperature and pressure ranges. Other AVS Römer components are also used, such as sensors, valves and hoses. A complete package that offers customers maximum quality and performance for their product.

- Comprehensive project support from concept to implementation
- Reliable delivery performance & provision of sample parts
- High flexibility for customer-specific adaptations
- Wide range of materials for different temperature ranges
- Large number of products for a wide variety of applications

The logo for LA CIBALI, with "LA" in a smaller font and "CIBALI" in a larger, bold font, both in white on a red rectangular background.

“The collaboration with AVS Römer represents a perfect example of how technological innovation can integrate with manufacturing tradition. Introducing push-in technology into a traditional coffee machine meant completely rethinking the internal architecture, without ever compromising on quality, safety, or performance. This project demonstrates how, through a modular approach and cutting-edge materials, we can help define new standards in the industry.”

Andrea Coccia, R&D Director, Gruppo Cimbali S.p.A.

Conclusion

Cimbali shows that innovation and tradition make a perfect team – when technology, trust and partnership come together. AVS Römer accompanies this change as an experienced development partner and delivers practical solutions that are already setting tomorrow’s standards today.

The result: the M40, an innovative product combining cutting-edge design, perfect ergonomics, digital ease of use, state-of-the-art technology, maximum efficiency and sustainability awareness.





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