Plug & Seals are rubber-coated pipe sections that create a safe, leak-free connection between housings. The trend for downsizing (turbo charging), emission reduction (EGR) and standardization in engines requires a secure, low-cost sealing system to connect tubes for corresponding housings utilizing a single component to compensate for conduit misalignment and tolerance variations.

Using the Plug & Seal concept, LC SSA developed a high-temperature PTFE seal that combined Plug & Seal know-how with Forseal benefits, providing:

- Sealing solution is independent of tube length and design
- Compensation of assembly misalignment
- High temperature durability (250 °C) and high media resistance

VALUES FOR THE CUSTOMER

Plug & Seal plug connections from Freudenberg Sealing Technologies provide many technical and cost benefits:

- Replace alternative solutions for multi-layer silicon hose (low-end) or metal
- For bellows (high-end) with a patented Freudenberg Sealing Technologies cost-effective solution
- Create a reliable seal even in high-pressure applications
- Give simple, secure, and low-cost fitting
- Ensure acoustic and mechanical decoupling
- Minimize maintenance costs due to greatly improved service life
- Compensate for misalignment and permit greater tolerances upon installation
- Reduce logistics costs
- Combine several functions in a single component
- Offer clear benefits through lower total cost
- Design development according to customer-specific requirements