

TrueSeal™ Kynar® PVDF Fittings

Eliminating down time in a highly corrosive application



The Challenge

When spraying down a field, aggressive media from the sprayers came into contact with the metal fittings on the hydraulic tanks. Over time this caused the metal to corrode creating leaks in the system and contaminating the hydraulic tanks. This resulted in equipment failure leading to excessive downtime.

In the last several years, the growing use of plastics in agriculture has helped farmers increase crop production, improve food quality, and reduce the ecological footprint of their activity.

For instance, it is a well known fact among OEMs that thermoplastic hose is the right answer for many technical challenges within the agriculture market. With unique features and performance characteristics, thermoplastic hose outrivals even established alternatives. However, this particular OEM was looking for a push-to-connect fluoropolymer fitting to enhance installation and maintenance within their sprayer equipment offering along with the thermoplastic hose they often install within their agriculture equipment.

The OEM's engineering team preferred plastic quick connects and fittings for this particular application because plastic fittings will not rust, making them less prone to getting valves stuck open or closed. Furthermore, they are also lighter, thereby reducing shipping costs. With this engineering challenge, the OEM approached Parker to identify a push-to-connect fitting that met their specific requirements.



The Parker Approach

Knowing the needs of the OEM, Parker engineers needed to identify potential plastic push-to-connect fittings that are resistant to most harsh chemicals and solvents, UV resistant and that maintains mechanical strength at higher temperatures.

The solution was obvious, Parker's TrueSeal™ Kynar® PVDF push-to-connect fluoropolymer fittings meet or exceeded all of the OEMs requirements.

- Resistant to most chemicals and solvents
- Low permeability to most gases and liquids
- Maintains mechanical strength at high temperatures
- Resistant to sunlight degradation
- Halogen resistance



ENGINEERING YOUR SUCCESS.