

BIAR Sampling Systems - High temperature & high pressure sampling made safer.

SI Group is a global leader in the **innovative technology** of performance additives, process solutions, active pharmaceutical ingredients, and chemical intermediates. The Rotterdam Junction plant manufactures **phenolic resins** and **alkylphenols** used in the manufacture of many other chemicals.

Before: Challenges and Opportunities

- Their previous system was **not a safe option** for the process which was a high temperature and high pressure process.
- Product could **solidify** around the outlet, leading to spraying when the Operator opened the valve.
- Previous system had to be **cleaned regularly** to prevent mishaps.

Why BIAR Sampling Systems

- SI Group have **experience** using BIAR in a similar process.
- They needed a safer, more reliable design that could handle **high temperature** and **pressure**.
- The operators can attach the bottle to the valve which is **safer** than holding it in their hand.

After: A Robust Solution that Improves Safety

- SI Group now have a sample system that guarantees a **representative sample** without flushing or purging.
- They have a safer sampling system with a **spring to close** handwheel.
- The BIAR **zero dead space** design doesn't allow product buildup at the outlet.



*“SI Group consider installing a **BIAR valve** a **safety improvement**.”*

Jacob McWhinnie - Production Engineer

Additive solutions to advance the transition to a more circular economy.

SI Group, Inc.
Rotterdam Junction, NY

Industry
Additives

Process
Various

Similar applications
Phenol

Featured Solutions
VLA - Vertical Sample valve
FAB - Thread adapter

