

Win Story – Canada

Client: Fortune 500 Canadian Pharmaceutical API manufacturing company

Application: Removal of solvent solutions from process water

Challenge: Existing filtration housing required on-site modifications (PTFE sealing, TC clamps) and caused premature cartridge failure (<6 months). The housing itself was expensive, and frequent \$500 cartridge replacements added significant recurring maintenance costs.

RiSi Solution:

- Engineered a **custom, made-to-order filter housing** in partnership with Filter Concept—built from scratch to match the client's requirements.
- Redesigned inlet geometry** by offsetting the cartridge from the centerline, eliminating direct flow impact and reducing erosion.
- Delivered a fully compliant, plug-and-play system with optimized flow dynamics and extended cartridge life.

Outcome: Significant **upfront and maintenance cost savings**, extended cartridge service life, improved process reliability, and elimination of field modifications—RiSi's ability to deliver **precisely tailored, high-performance filtration solutions**.

