



CUSTOMIZED DISTILLATION COLUMN

SRXC series

The SRXC series is a completely automated chemical distillation column designed to address a high purity chemical purification application across multiple industries.

The system is designed to remove water, the chemicals, and/or contaminants from the chemical being purified.

A specially designed fractionating column with a reflux stream is used to separate the materials in a continuous mode while keeping a flow rate of up to 25 – 5 000 gph (gallon per hour) on a 24 hour per day basis.

INDUSTRIES SERVED

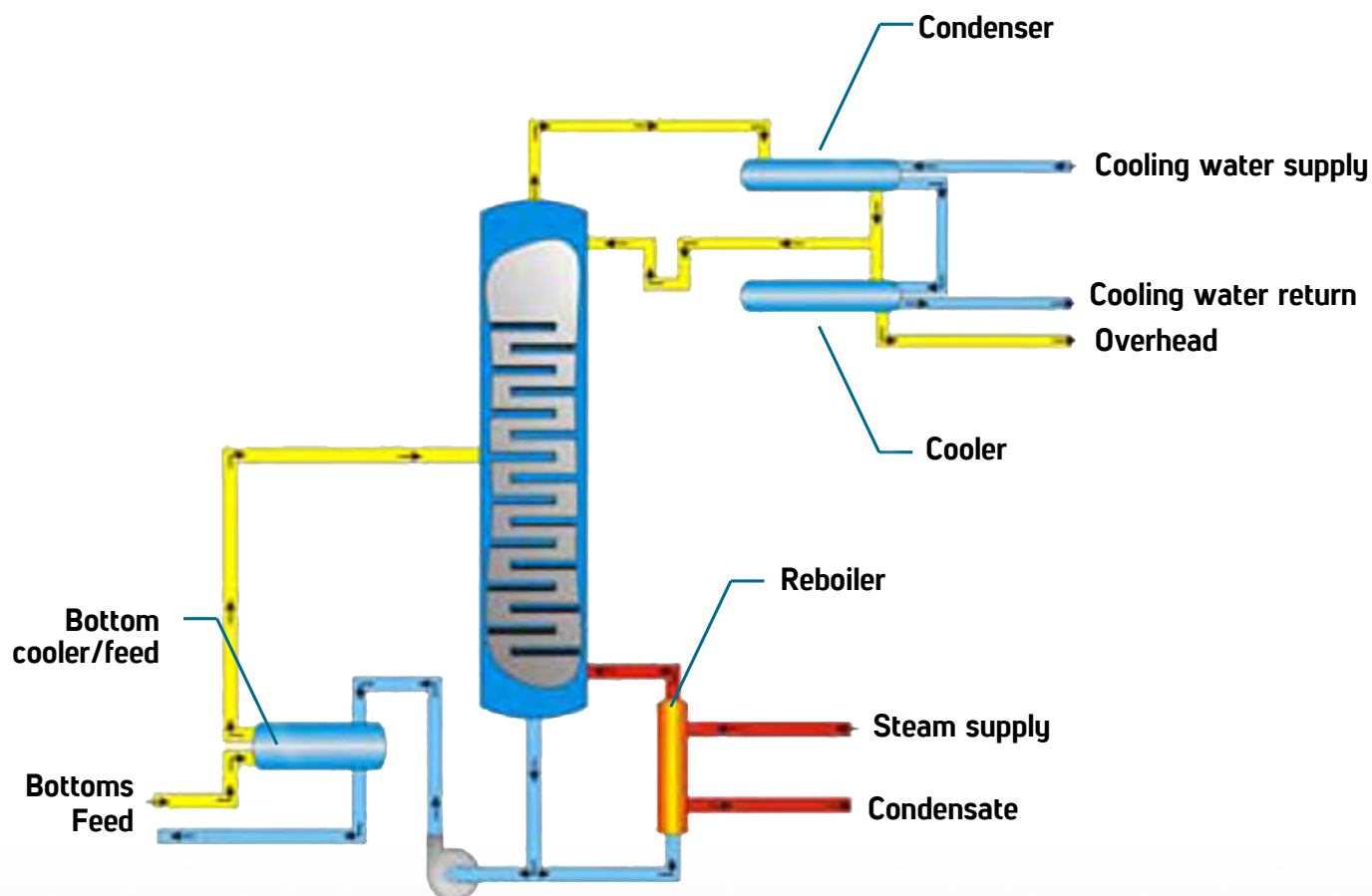
- General manufacturing
- Aerospace and aviation
- Automotive
- Petroleum
- Energy
- Pharmaceutical

The product features that distinguish the ISTpure line of solvent recyclers :

- ✓ **Complete self adjusting PLC** controlled processor variable parameters.
- ✓ **Designed to utilize either hot oil, steam,** or on occasion electric heaters as heating source.
- ✓ **99.9% Purity range.**
- ✓ **Tubular frame design** mounted on a **galvanized steel pallet.**
- ✓ **Recycles** most popular solvents, including mineral spirit, flexo & litho solvents.
- ✓ **Pre-wired, pre-piped,** and tested prior to customer delivery.
- ✓ **Can also be used to remove methanol from glycerin stream.**

We always evaluate your solvents and contaminants MSDS sheets prior to recommending the proper system. It is very important to also identify the possible presence of nitrocellulose and acids in your dirty solvent mix.

HOW IT WORKS



Our distillation columns are equipped with a programmable logic controller (PLC) housed in a NEMA 4X enclosure or can be remote located to a customer control room. The PLC monitors a series of relays and sensors to verify proper liquid levels, flows, temperatures and discharge valve position before starting the cycle. Any fault condition is diagnosed and clear status messages are displayed on the touch screen controller panel to ensure operator safety and ease of instruction. The system automatically shuts off in the event of a fault condition or at the end of the cycle.

Custom fitted columns and fractionating packing as well as high efficiency heaters and heat exchangers are required to achieve maximum efficiency. The SRXC-Series columns are designed to utilize hot oil, steam, or on occasion electric heaters.