

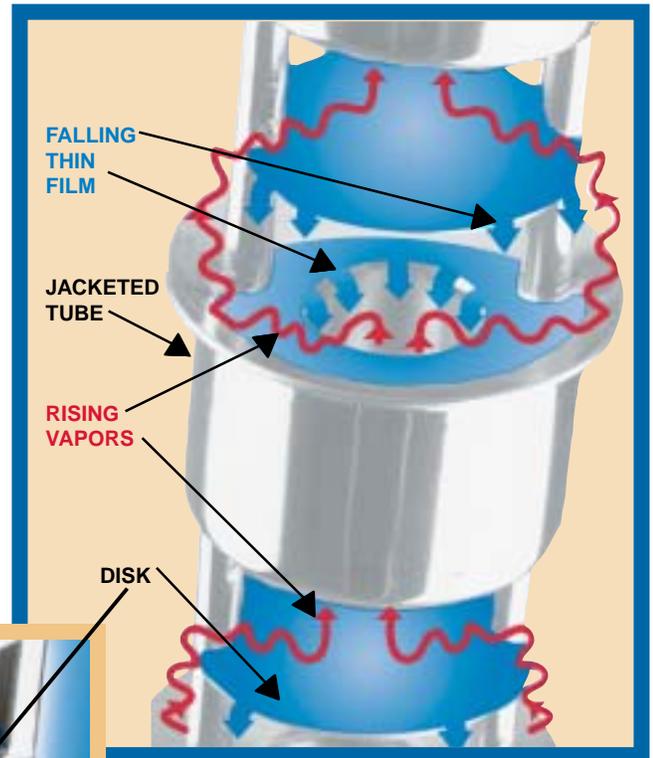
ARTISAN



The Artisan Evaporator/Stripper™

Designed to combine evaporation and continuous thin film stripping in a single system, the Artisan Continuous Evaporator/Stripper is the most cost effective way of reducing volatiles in heat sensitive materials to ppm and even ppb levels.

The feed first passes through a rising-film evaporator to remove the bulk of the volatiles. Then the concentrated feed cascades down over heated or unheated tube-and-disc trays where the remaining volatiles are stripped by the rising vapor. The tube-and-disc trays provide a fresh liquid film at each stage, giving new surface for evaporation and stripping. The extremely low pressure drop across the stripper allows operation at very high vacuum. Stripping is accomplished at the lowest practical temperature. Steam or nitrogen may be sparged into the column to further enhance mass transfer.

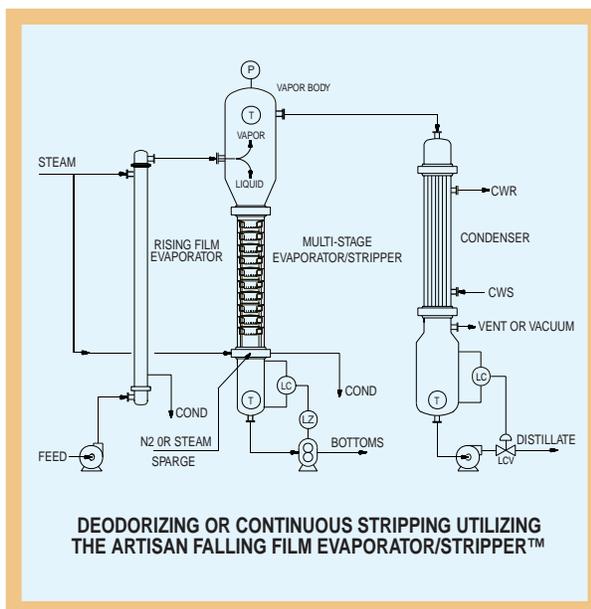


The Artisan Continuous Evaporator/Stripper offers these advantages over conventional stripping technology or vertical wiped film evaporators:

- high product purity
- greater yield
- reduced fouling
- no product degradation
- lowest pressure drop
- highest vacuum operation
- high viscosity capability (up to 3000 cP)
- high turndown ratio (>10:1)
- flexible, multi-product design

Applications

- Desolventizing: polymers, surfactants, industrial coatings, fats, waxes, vegetable oils
- Purification: aromatics, tocopherols, alkyl phenols, esters, oleochemicals
- Recycling: solvents, alcohols, ketones
- Deodorization: additives, agrichemicals, vegetable oils, fish oils
- Dehydration: organic peroxides, silicones



Complete skid-mounted systems are an Artisan specialty.

Artisan's Continuous Evaporator/Stripper is available in a variety of sizes and materials of construction to meet your specific processing needs. Because each application is unique, we combine our extensive experience with data from our pilot facility to determine the optimal design to address your needs.

We provide Evaporator / Strippers as small as 2" in diameter with 13 stages up to 48" in diameter with over 50 stages. We can process hundreds of pounds per hour to tens of thousands of pounds per hour in a single unit. Other common sizes include 4, 6, 10, 18, 24 and 36 inch diameters.

Steam or oil heating can be used as the heat transfer medium.

Materials of construction include stainless steel (300 series and Duplex), carbon steel, nickel, Inconel®, Monel®, Hastelloy® and titanium.

problem definition ❖ technology selection ❖ process design and optimization
bench scale testing ❖ in house or at site pilot scale testing
equipment design and specification ❖ complete system manufacture
start-up assistance ❖ operator training ❖ after sales support

For further information call our sales team at:

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FAX: 781-647-0143

email: chemical@artisanind.com www.artisanind.com

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Since 1934 Artisan experts have led the way, providing integrated solutions to the most challenging separation problems. We combine an innovative approach with an unparalleled depth of knowledge to develop cost effective, practical solutions. Designed and built to exacting standards, our powerful technologies have enabled us to succeed where our competitors have failed. That is why the Artisan name is synonymous with unrivaled product quality and level of service.

