

Semi-continuous hydrogenation

The Sullivan Semi-continuous Hydrogenation System gives you the production capacity of continuous processing while retaining the versatility of producing a variety of end-products.

Precise, automated control of the variables in the hydrogenation process is the key to the high production efficiency and end-product reproducibility of this fully-engineered, packaged hydrogenation system. This control enables hardening each batch of oil to a specific selected point.

Faster hardening speeds up the processing cycle.

The Sullivan hydrogenation system combines slow mechanical agitation with moderate recirculation of hydrogen gas to achieve a rapid hardening rate. A typical cycle — from charging the reactor, hardening, through continuous catalyst filtration, polish filtration, and pumping to storage — takes only about 2½ hours with heat recovery. Total hardening time can be less and depends on the iodine value drop required, size of converter and whether or not heat recovery is used.

Easy product changeover.

The semi-continuous Sullivan system retains the versatility of old-style batch processing yet it permits easy changeover from one type of feed stock to another, without product contamination.

Low operating costs.

Gas recirculation optimizes activity and speeds up the hydro-

genation cycle. What's more, the system can easily be adapted to use liquid hydrogen. This eliminates the expense of a hydrogen production plant for smaller capacity plants. A highly automated packaged system, it's easily operated from a central control panel. Only one operator is needed.

No drop tanks required.

The semi-continuous Sullivan process eliminates the need for expensive drop tanks and related installation costs. It also requires significantly less plant area.

If you'd like a more profitable approach to hydrogenation,

call Sullivan Systems at (415) 435-3855 today.

Sullivan Systems, Inc. and Alfa-Laval provide fats and oil processes and systems throughout the world. In North America write: Sullivan Systems, Inc., a subsidiary of The De Laval Separator Company, P.O. Box 158, Tiburon, California 94920, U.S.A.

In the rest of the world write: Alfa-Laval, Dept. SFR, S-14700, Tumba, Sweden.

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