



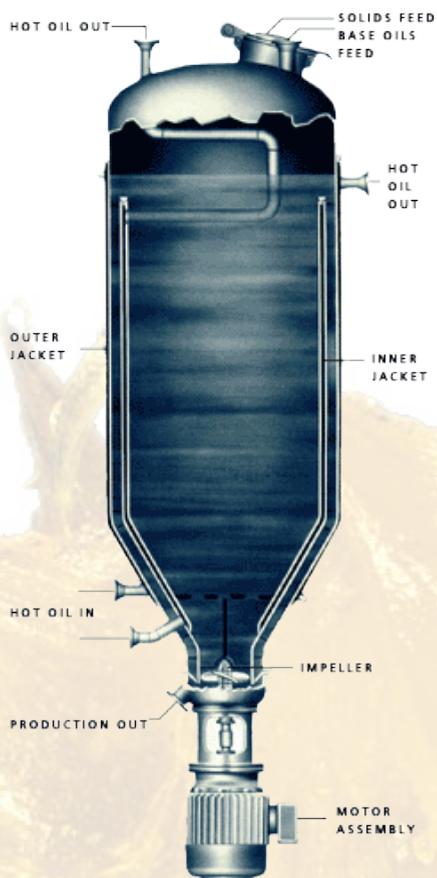
new since 1928

GREASE PROCESS

OUR HISTORY

In 1928 STRATCO, Inc. revolutionized the lubricating grease industry with the introduction of its first STRATCO® Contactor™ reactor. That original Contactor™ reactor was in operation for 83 years, a testament to STRATCO's enduring technological expertise.

More than 400 Contactor reactors are currently operating in countries throughout the world. STRATCO customers are assured of quality equipment, reliable operation and performance dependability backed by more than eight decades of innovation in lubricating a moving world.



THE ADVANTAGES OF STRATCO'S GREASE PROCESS

IMPROVED YIELD:

The high shear rate gives a more uniform dispersion of thickener into the oil, resulting in a product which yields more grease per unit weight of thickener.

REDUCED PRODUCTION TIME:

High internal circulation rate and large heat transfer surface (triple that of a conventional kettle) allow rapid heating and saponification. This cuts processing time in half.

EFFICIENCY:

Enhanced heat transfer and mixing characteristics maximize process efficiency and result in utility savings for both electrical and heating fuel.

PRESSURE OPERATION:

Controlled pressure reaction conditions inhibit undesirable "foaming" and result in a more complete reaction of thickener components.

VACUUM OPERATION:

Designed for full vacuum operation to very effectively dehydrate the grease by the continual exposure of fresh product surface to the vapor space when passing over the top of the internal circulation tube.

DIRECT FINISHING:

The high shear and fine dispersion can significantly reduce the homogenizing or milling process, which is both time consuming and energy consuming.

FLEXIBILITY:

All standard calcium, sodium, lithium, compound and complex soap greases including polyurea, can be produced in a single Contactor reactor. Cleaning between batches of dissimilar greases is simple and very effective.

CONSISTENCY and UNIFORMITY:

High heat transfer coefficient and high internal circulation results in tight time-temperature control and highly uniform dispersion of thickeners, allowing a high level of repeatability and consistent product quality between batches.

OPERATIONAL SAVINGS:

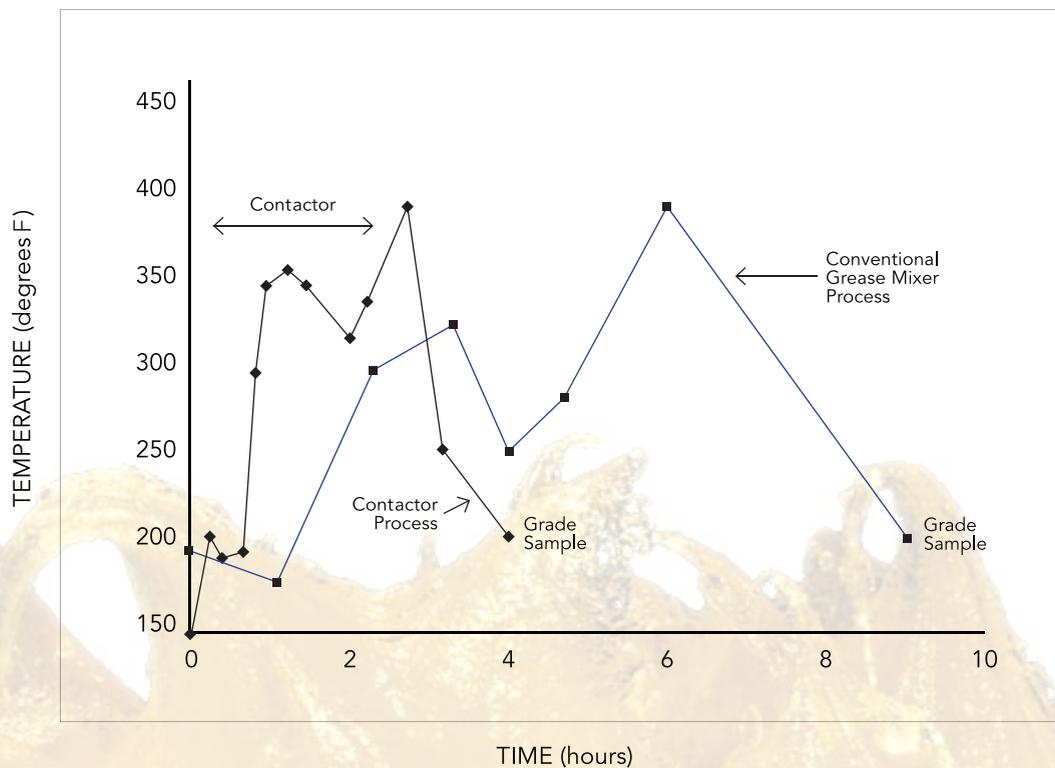
Savings of up to 17% of manufacturing costs are typical.



CUSTOMER ADVANTAGES

STRATCO, Inc. provides one-stop shopping for a complete lump sum, turnkey grease facility. From a grassroots plant to a grease plant upgrade, STRATCO's specialists offer customer satisfaction. Every installation is supported by excellent service, replacement parts and engineering expertise. Our qualified technical team offers formulations, design basis and product slate studies, preliminary and detailed process design, equipment procurement, construction and construction management, operator training, start-up assistance, efficiency studies and process audits. All this is offered to improve our customers' operations and profitability.

Time-Temperature Cycle for Lithium 12-Hydroxystearate Grease Manufactured in a Contactor Reactor



WE ARE PROUD TO BE THE TECHNOLOGY LEADER IN LUBRICATING A MOVING WORLD.