

# SURE-FLEX PLUS® COUPLINGS

INDUSTRIAL MIXERS



## PROBLEM

Chemineer, the global market leader in standard and custom fluid agitation equipment, needed a coupling solution for its newest line of mixers. The company has some 60 years experience in the design and manufacture of rotating mixers for a number of industries including petrochemical, pharmaceutical and wastewater treatment. Recognized for producing reliable, heavy-duty mixing equipment, Chemineer has a reputation for designing dependable solutions using the latest technology while ensuring ease of installation and maintenance.

## SOLUTION

As part of its continual strive to improve reliability and performance Chemineer chose to specify Sure-Flex Plus® couplings from TB Wood's, part of Regal Rexnord, for use on its new mixers. Mounted between the motor and gearbox, the couplings transmit power efficiently in this variable speed and variable torque application.

In many cases, it may be necessary to clean or repair an impeller or to carry out maintenance on the associated gearbox which requires the motor or impeller to be disconnected. This could be a very protracted affair but, with the benefit of a split design, the Sure-Flex Plus coupling can be removed quickly and easily, allowing the required maintenance to be performed with less down-time.

Ian Fisher, purchasing manager at Chemineer, comments: "The design of the Sure-Flex Plus coupling provides our customers with a reliable, maintenance-free coupling which is easy to install, thanks to the innovative design. It also offers excellent shock loading capability as well as a 4-way flexing action, which can accommodate all types of vibration, misalignment and end-float."

## HIGHLIGHTS

- 8.2 kNm max. torque
- Flexible sleeves available in EPDM, Neoprene or Hytrel
- Four-way flexing action absorbs extreme torsional shock and vibration
- Wide range of standard sizes available



## Regal Rexnord

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