FEECO INTERNATIONAL

FEECO.com/frac-sand

ROTARY DRYERS FOR FRAC SAND

The industry standard for **drying frac sand**.

ABOUT ROTARY DRYERS

ROTARY DRYERS

are industrial drying systems used throughout a variety of industries to dry bulk solids of all kinds. For frac sand, they dry washed sand down to the **target moisture level** for use as a proppant.

CAPACITY

300+ TPH

DIAMETER 3 - 15 FEET

MATERIALS OF CONSTRUCTION

CARBON STEEL | AR STEEL LINED | STAINLESS STEEL | SPECIALTY ALLOYS | EXPLOSION BONDED

FEATURES

- Specially designed lifting flights
- Heavy-duty design and construction
- Process and mechanical warranties
- Co-current or counter current design

ROTARY DRYERS vs. FLUID BED DRYERS

Rotary dryers offer **clear advantages** over fluid bed dryers when it comes to drying frac sand:

HIGH THROUGHPUT

Rotary dryers can process in excess of 300 TPH in a single unit - perfect for the demands of a frac sand drying plant.

TOLERANCE TO VARIATION IN FEEDSTOCK

Rotary dryers are tolerant to variations in particle size distribution and moisture content, producing a uniform product. Conversely, fluid bed dryers are highly sensitive to variations in feedstock.

REDUCED ELECTRICAL ENERGY CONSUMPTION

Rotary dryers require less electrical energy than fluid bed dryers, because fluid beds require a high magnitude of air to fluidize the sand.

DESIGN CONSIDERATIONS

A number of factors influence dryer performance and product quality. For this reason, the right frac sand dryer design can have a big impact on overall **efficiency**.

DRUM DIAMETER | FLAME CONTROL | AIR VELOCITY | FLIGHT DESIGN | MATERIALS OF CONSTRUCTION

DESIGN BENEFITS

By optimizing these and other characteristics, a number of benefits can be achieved:

- NO_x & CO — Lower NO_x & CO emissions
- Maintained product integrity
- Reduced carryover
- Increased efficiency
- Uniform results
- $ — Decreased drying costs

FEECO FRAC SAND DRYERS

FEECO is a globally recognized provider of custom thermal processing equipment and process solutions. We offer custom frac sand dryers that have developed a reputation as the industry's best, boasting all of the benefits listed above.
*For more information, contact us today at **FEECO.com/contact***