



# INLINE & BELT DRIVEN STIRRERS

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### OVERVIEW

Cortest now manufactures a line of magnetic stirrers for use in high pressure and high temperature environments. Available in belt driven or inline models, these stirrers have been specially designed to handle a corrosive environment in an autoclave. By utilizing rare-earth magnets, these stirrers are able to provide the speed and torque necessary to create a disturbed flow environment while maintaining a sealed system. **Its top speed is 3,400 RPM and can provide up to 25 in-lbs (2.8 N-m) of torque. Tube connections are included with the stirrer to provide liquid cooling during high temperature usage.** These stirrers are suitable for long, continuous tests without breaking down. The stirrers have a 3/8" diameter output shaft with a 1/4"-28 female, threaded connection for the addition of longer stirrer shafts and other accessories. Several different configurations are available to allow for installation into both Cortest manufactured autoclaves and other manufacturers autoclaves that are already in service.

CATEGORIES : OIL & GAS | STEEL | RESEARCH

## MATERIAL OF CONSTRUCTION

**316 S.S.  
OR C-276**

MAX SPEED UP TO  
**3,400 RPM**

ALSO OFFERS  
**25 in-lb**  
(2.8 N-M)

## INLINE & BELT DRIVEN STIRRERS SYSTEM FEATURES

- Materials of Construction: 316 SS or Hastelloy C-276 Construction
- Max Speed: 3,400 RPM
- Max Pressure: 41.37 MPa (6,000 PSI)
- Max Temperature: 350°C (662°F)
- Torque Rating: 25 in-lb (2.8 N-m)
- 3/8" (9.5 mm) Diameter Output Shaft
- Suitable for All Cortest Coupon Holders

## TYPICAL APPLICATIONS

- Autoclaves
- Rotating Cage