

## Limited Space Design for new reactors



Reducing the exterior length...



reduces the  
platform size.

In new reactors, a consideration that is many times overlooked in selecting Radial Temperature Profiling is the distance that the system extends beyond the flange externally. This distance affects platform diameter.

Reactor designers are bringing in the probes from the side to reduce interference with distributor tray performance. With the system being side mounted, one must also build a platform so that the system can be monitored and replaced efficiently. The platform's costs increase exponentially as its diameter increases. This diameter is determined by a safety factor that requires a free distance beyond the end of the Radial Temperature Profiling System. Many times the safety factor distance is three feet, or one meter.

The Limited Space design option reduces the total distance down to 16 inches (406mm). This option has proven to be very popular and is being applied in a variety of applications all over the world. Many customers have reported that the savings in the platform costs have paid for the CatTracker® System.