

■ Rt-Alumina PLOT

- Ideal for the analysis of light hydrocarbons up to C10.
- Innovative immobilization of particles minimizes detector noise.
- Can be regenerated after water contamination.
- Similar to GS-Alumina, HP Alumina-S, Alumina PLOT, AL2O3/Na2SO4 and AT-Alumina.

PLOT columns, such as the Rt-Alumina, can achieve separations of light hydrocarbons without sub-ambient temperatures. Our research chemists carefully optimized the uniformity and film thickness, resulting in a column that provides better resolution and faster analysis times for light hydrocarbons. Immobilization of the PLOT layer was of major importance to prevent particle evolution and detector spiking.

A major application for this column is the analysis of impurities in ethylene and propylene. The Rt-Alumina column's unique deactivation affords complete separation of all the saturated and unsaturated hydrocarbons up to and including C4. The retention of unsaturates on the Rt-Alumina is greatly affected by temperature. By adjusting temperature programming parameters, the elution order of unsaturated and saturated hydrocarbons can be optimized. This property greatly increases the utility of the Rt-Alumina™ PLOT column for hydrocarbon analysis.

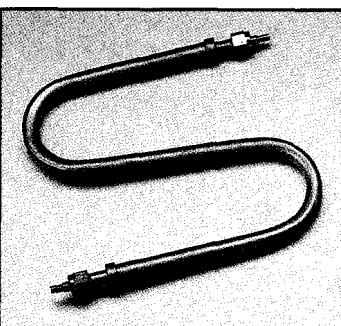
Applications: light hydrocarbons, unsaturates, propylene and ethylene purity analyses.

Rt-Alumina (Fused Silica PLOT)

(Al2O3) Stable to 200°C

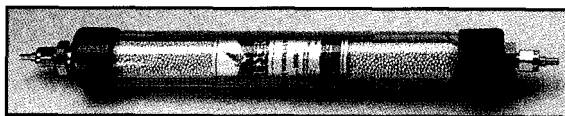
ID	temp. limits	30-Meter	50-Meter	60-Meter
0.32mm	up to 200°C	19702		19703
0.53mm	up to 200°C	19700	19701	

NOT TECH TIP! *The Rt-Alumina is very sensitive to water contamination. Therefore, moisture traps should always be used on carrier lines when using the Rt-Alumina column. If contaminated with water, the Rt-Alumina can be regenerated by heating under dry carrier gas flow at 200°C for eight hours.*



Molecular Sieve
"S" Trap

Indicating
Moisture Trap



For more information on Restek traps, please see pages 350-351.

High Capacity
Moisture Trap

