SILCOSLEEVE" INLET SLEEVES SHOW EXCELLENT INERTNESS FOR ACTIVE COMPOUNDS

inertness was demonstrated by injecting DDT and endrin at 50pg/ul in the splitless mode. Total DDT and endrin breakdown was calculated on the metal sleeve (Table 1) and compared to a deactivated glass inlet sleeve. Minimal breakdown was calculated for both sleeves which indicates that potential active sites are covered by the deactivation layer. This same standard was injected onto an untreated metal sleeve to show the breakdown of DDT to DDE and DDD due to active sites present on the surface of the sleeves (Table I). Figure 1 illustrates the response of trace phenols using a Silcosleeve" inlet sleeve. Phenols are also excellent indicators for inertness since they are chemically active compounds which adsorb on active surfaces.

STRENGTH AND DURABILITY

Since Silcosleeve" inlet sleeves are stainless steel they are not prone to breakage when installing or removing the sleeve, or during transportation to a testing site. The fused silica is bonded to the stainless steel so it will not crack or break off the surface if mishandled or accidentally dropped.

SILCOSLEEVE" 1NLET SLEEVES ARE COST EFFECTIVE

Since different manufacturing techniques are used in making Silcosleeve" inlet sleeves, we are able to reduce the process time and pass the savings on to our customers. If you need highly inert and reasonably priced inlet sleeves for your HP **5890/689 GC,** try our new Silcosleeve" metal inlet sleeves.

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Silcosleeve™ Metal Inlet Sleeve for HP GCs

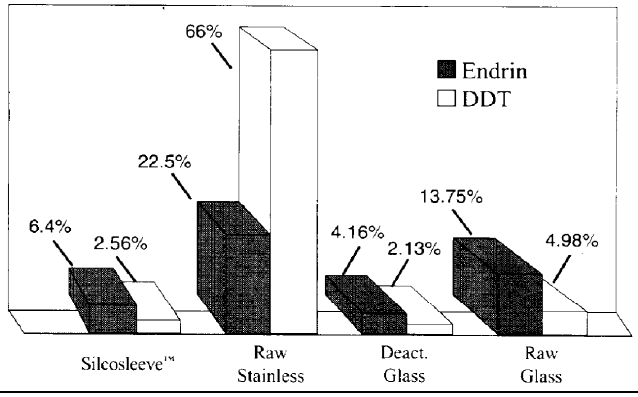
OD/ID & Length
6.35mm / 5.2mm & 78.5mm

5-Pack	25-Pack
21700	21701

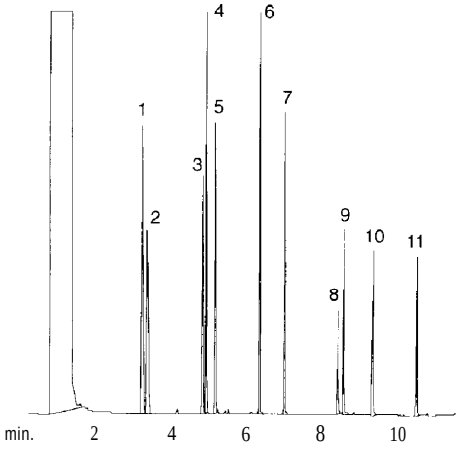
Add appropriate suffix to Cat. No. to order prepacked sleeves.

Packing	5-Pk. Suffix	25-Pk. Suffix
FS Wool	200.5	200.25
FS Beads	201.5	201.25
Glass Wool	202.5	202.25
CarboFrit'"	209.5	209.25

Table 1 - Comparison of Endrin & DDT Breakdown



&: Figure 1 - Phenols are excellent indicators to demonstrate the inertness of Silcosleeve" metal inlet sleeves.



1. phenol
2. 2-chlorophenol
3. 2-nitrophenol
4. 2.4-dimethylphenol
5. 2.4-dichlorophenol
6. 4-chloro-3-methylphenol
7. 2,4.6-trichlorophenol
8. 2.4-dinitrophenol
0. 4-nitrophenol
10. 2-methyl-4,6-dinitrophenol
11. pentachlorophenol

30m. 0.25mm ID. 0.25um XTI-5 (12223)
1 .0ull splitless inj. 50ng of phenols.
Oven temp.: 40°C to 350°C @15C/min (hold 15 min.)
Inj. temp.: 250°C
Detector: FID

Note: If you have a spec ialsleeve application please contact your local distributor