

Purge Traps for Tekmar® Stratum Purge & Trap Concentrator

This trap is designed for use with the Tekmar Stratum purge and trap instrument. The Valco® nut attached to the **inlet** of the trap has been stamped with a letter designation for identification. Use the chart below for identification of the contents of this trap as well as other purge traps available from Supelco. Custom traps can be obtained through our Order Processing Department.

Trap	Trap Contents	Cat. No.
A	Tenax®	28974-U
B	Tenax/silica gel	28977-U
C	Tenax/silica gel/charcoal	28979-U
D	Tenax/charcoal	28981-U
E	SP™-2100/Tenax/silica gel/charcoal	28982-U
F	SP-2100/Tenax/silica gel	28983-U
G	SP-2100/Tenax	28986-U
H	Carbopack™ B/Carbosieve™ S-III*	28987-U
I (VOCARB® 4000)	Carbopack C/Carbopack B/Carboxen™-1000/Carboxen-1001	28996-U
J (BTEXTRAP™)	Carbopack C/Carbopack B	28997-U
K (VOCARB 3000)	Carbopack B/Carboxen-1000/Carboxen-1001	28994-U
M (Mod. BTEXTRAP)	Carbopack C/Carbopack B	28999-U

Installation

See the Stratum instrument manual for proper trap installation. Since it is necessary to periodically replace the trap, you should use a removable ferrule on the **outlet** of the trap. We recommend 1/8" flexible graphite ferrules (e.g., Supeltex™ M-4, Cat. No. 22491). Once you have installed the trap, check both fittings for leaks while operating in the purge mode and the desorb mode.

Operating Conditions

All traps should be preconditioned prior to use. This not only eliminates contamination, but also assures uniform performance during the lifetime of the trap. We recommend using conditions specified in the chart on the back of this form when setting time and temperature parameters. Purge times and sample volumes are dependent on compounds of interest and/or the specific method being followed.

Recommended Temperature

Trap	Desorb	Bake	Precondition
A	180	180	180
B	180	180	180
C	180	180	180
D	180	180	180
E	180	180	180
F	180	180	180
G	180	180	180
H	230	250	260
I (VOCARB 4000)	250	260	270
J (BTEXTRAP)	250	260	270
K (VOCARB 3000)	250	260	270
M (Mod. BTEXTRAP)	250	260	270

Desorb Time: 1-4 minutes (shorter times will transfer less water)

Bake Time: 4-8 minutes

Precondition Time: 60-120 minutes

Trademarks

BTEXTRAP, Carbo-pack, Carbosieve, Carboxen, SP, Supeltex, VOCARB — Sigma-Aldrich Biotechnology LP
Tekmar — Tekmar Co.
Tenax — Buchem B.V.
Valco — Valco Instruments Co., Inc.

*German Pat. No. 1935500. Patent holder — Badische Anilin- & Soda-Fabrik Aktiengesellschaft.