

SAVE THIS DATA SHEET!
It Contains Important Information About This Product.

Tekmar® Purge Trap

This trap was designed for use with Tekmar LSC-1, LSC-2, LSC-3, LSC-2000 and LSC-4000 purge and trap instruments. The Swagelok® nut attached to the trap has been stamped with a letter designation for identification. Use the chart below for future identification 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®, 24cm	21059-U
B	Tenax, 15cm/silica gel, 8cm	21060-U
C	Tenax, 8cm/silica gel, 7.7cm/charcoal, 7.7cm	21061-U
D	Tenax, 16cm/charcoal, 7.7cm	21062-U
E	SP™-2100, 1cm/Tenax, 7.7cm/ silica gel, 7.7cm/charcoal, 7.7cm	20294
F	SP-2100, 1cm/Tenax, 15cm/silica gel, 7.7cm	20293
G	SP-2100, 1c./Tenax, 23cm	20295
H	Carbopack™ B, 7.6cm/Carbosieve™ S-III*, 1.3cm	20321
I (VOCARB™ 4000)	Carbopack C, 8.5cm/Carbopack B, 10cm/ Carboxen™ 1000, 6cm/Carboxen-1001, 1cm	20308
J (BTEXTRAP™)	Carbopack C, 7.7cm/Carbopack B, 1.2cm	21064
K (VOCARB 3000)	Carbopack B, 10cm/Carboxen-1000, 6cm/ Carboxen-1001, 1cm	21066-U
L (BTEXTRAP)	Carbopack C, 7cm/Carbopack B, 5cm	20076-U
M (BTEXTRAP)	Carbopack C, 7cm/Carbopack B, 7cm	20077-U
Z	custom order	_____

Installation

See instrument users manual for proper trap installation instructions. Since it is necessary to periodically replace the trap, you must use a removable ferrule on the inlet (top) end 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 must 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 Conditions
Temp. (°C) / Time (min.)

Trap	Desorb	Bake	Precondition
A	180/4	180/7	180/30
B	180/4	180/7	180/30
C	180/4	180/7	180/30
D	180/4	180/7	180/30
E	180/4	180/7	180/30
F	180/4	180/7	180/30
G	180/4	180/7	180/30
H	230/6	250/5	260/60
I (VOCARB 4000)	250/10	260/4	270/60
J (BTEXTRAP)	250/6	260/4	270/60
K (VOCARB 3000)	250/6	260/4	270/60
L (BTEXTRAP)	250/6	260/4	270/60
M (BTEXTRAP)	250/6	260/4	270/60

Trademarks

BTEXTRAP, Carbopack, Carbosieve, Carboxen,
 SP, Supeltex, VOCARB — Sigma-Aldrich Co.

Swagelok — Crawford Fitting Co.

Tekmar — Tekmar Co.

Tenax — Enka Research Institute Arnhem

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