

VARIOUS VAPOR ADSORPTION CARTRIDGES

Features:

- Wide Range Of Adsorbents
- No Handling Of Loose Adsorbents In Cartridge Form
- Small Re-Sealable Bulk Quantities Available



We offer vapor adsorption cartridges comprised of an inner and outer filter tubes with the space between filled with adsorbent. The cartridges are sealed with end caps and provide a positive o-ring seal on each end. Flow rates are the same as for grade 50 elements in the same size bodies. However, with adsorption, more important considerations will be the volume of adsorbent and the contact time.

Applications:

- Purify Lab / Gas
- Analyzer Protection
- Point-Of-Use Adsorption

Cartridges ^{(1) (2)}	Volume of Adsorbent in Cubic Centimeters	Length (Inches)	End Caps/Seal	Flow at 100 PSIG
12-32-XX	6	1.25"	Nylon/No Seal	5 SCFM
12-57-XX	9	2.25"	Nylon/Buna-N	10 SCFM
25-64-XX	20	2.50"	Nylon/Buna-N	15 SCFM
25-178-XX	90	7.00"	Nylon/Buna-N	40 SCFM
38-152-XX	130	6.00"	PVC/Buna-N	80 SCFM
51-230-XX	220	9.00"	PVC/Buna-N	125 SCFM
51-476-XX	530	18.75"	PVC/Buna-N	250 SCFM
63-762-XX	1010	30.00"	PVC/Buna-N	560 SCFM

Notes: (1) Replace "XX" with adsorption grade required: CC, 4A, 13X, SG, DR, MB, PP, HO, SB, CS

(2) Since each series of housings has a unique sealing mechanism, make sure to add the appropriate suffix:

(A) Add suffix "TP" for use with 700 series plastic filter housings
e.g. 12-32-CCTP, 25-64-CCTP

(B) Add suffix "TS" for use with 110 and 120 series of stainless steel housings
e.g. 25-64-CCTS

(C) No suffix required on 130, 140, 150, and 160 series of stainless steel housings
e.g. 25-64-CC

Adsorbent	Code	Principles
Activated Carbon	CC	Adsorption of hydrocarbons and other organic vapors Zero Air Calibration
Molecular Sieve 4A	4A	Adsorption of CO ₂ , NH ₃ , H ₂ S, SO _x
Molecular Sieve 13X	13X	Adsorption of CO ₂ , NH ₃ , H ₂ S, SO _x , aromatics, amines
Silica Gel	SG	Adsorption of water vapor
Drierite Anhydrous Calcium Sulfate	DR	Adsorption of water vapor
Mixed Bases	MB	Removal of acidic gases, CO ₂ , SO _x , NO _x , HCl
Potassium Permanganate	PP	Removal of SO _x , Hg, and other acidic gases
Hopcalite	HO	Removal of CO by catalytic oxidation to CO ₂
Sodium Bicarbonate	SB	Acid Neutralizer
Copper Sulfate	CS	Removal of ammonia



United Filtration Systems, Inc.
6558 Diplomat Drive
Sterling Heights, MI 48314
T (586) 802-5561 • F (586) 802-5562
sales@unitedfiltration.com
www.unitedfiltration.com

1-800-311-5561



Partner of Headline Filters