

IN-LINE ADSORPTION DRYER HOUSINGS

Features:

- Replaceable Adsorbent
- 5 Micron Filter Pads Included
- Full Contact With Adsorbent
- Aluminum Construction
- Functional Mini-Dryers

Applications:

- High Volume Dryers
- Gas Purifiers
- Prevent "Freeze Outs"



Our In-Line Adsorption Housings are a simple, cost effective solution for the adsorption of various chemicals within a gaseous stream. The transparent body is offered in three basic sizes; 500cc, 610cc, and 1000cc of internal volume. The aluminum body is also offered in two basic sizes; 800cc and 1600cc of internal volume. The housings come complete, ready to install, with the adsorbent of your choice included. Adsorbents work by contact time. The longer the gas is in contact with the specific contaminant, the better the performance. Flow rates should be kept to a minimum.

Transparent Body (30 PSIG Max.) ⁽¹⁾	Replacement Adsorbent	Dimensions for Transparent Body
IACH-1/2"-500-XX	RBIA-500-XX	3.25" Diameter 8.25" Length
IACH-1/2"-1000-XX	RBIA-1000-XX	3.25" Diameter 16.50" Length
IACH-PVC-1/4"-610-XX *	RBIA-610-XX	3.15" Diameter 9.84" Length

Aluminum Body (250 PSIG Max.) ⁽¹⁾	Replacement Adsorbent	Dimensions for Aluminum Body
IAAH-1/2"-800-XX	RBIA-800-XX	4.00" Diameter 8.00" Length
IAAH-1/2"-1600-XX	RBIA-1600-XX	4.00" Diameter 15.00" Length

Notes: (1) Replace "XX" with adsorption grade required, CC, 4A, 13X, SG, DR, MB, PP, HO, SB, CS
 (*) All end caps are machined aluminum with the exception of IACH-PVC-1/4"-610 which is P.V.C.

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



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