



**"A leading worldwide supplier of high efficiency filters for a variety of industries and applications."**

## ADSORPTION COLUMNS

Our In-Line Adsorption Columns are a simple, cost effective solution for the adsorption of various chemicals within a gaseous stream. 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.



### Features:

- Maximum Temperature 125°F
- Replaceable Adsorbent
- 5 Micron Filter Pads Included
- Full Contact With Adsorbent
- Acrylic Construction
- Functional Mini-Dryers

### Applications:

- High Volume Dryers
- Eliminate Ghost Peaks
- Improve Baseline Readings
- Gas Purifiers
- Prevent "Freeze Outs"

Acrylic Body 1/4" NPT	Replacement Adsorbent	Volume (cc)	Pressure (psig)	Tube OD	Cap Diameter	Overall Length
IACH-38-150-80-XX	RBIA-80-XX	80	80	1.50"	1.77"	5.91"
IACH-38-250-160-XX	RBIA-160-XX	160	80	1.50"	1.77"	9.84"
IACH-50-200-215-X	RBIA-215-XX	215	70	1.97"	2.36"	7.87"
IACH-50-350-440-XX	RBIA-440-XX	440	70	1.97"	2.36"	13.78"
IACH-70-250-610-XX	RBIA-610-XX	610	40	2.75"	3.15"	9.84"
IACH-70-450-1255-XX	RBIA-1255-XX	1255	40	2.75"	3.15"	17.72"
IACH-70-650-1900-XX	RBIA-1900-XX	1900	40	2.75"	3.15"	25.59"
IACH-100-350-2015-XX	RBIA-2015-XX	2015	30	3.94"	4.33"	13.78"
IACH-100-450-2700-XX	RBIA-2700-XX	2700	30	3.94"	4.33"	17.72"
IACH-100-650-4100-XX	RBIA-4100-XX	4100	30	3.94"	4.33"	25.59"

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

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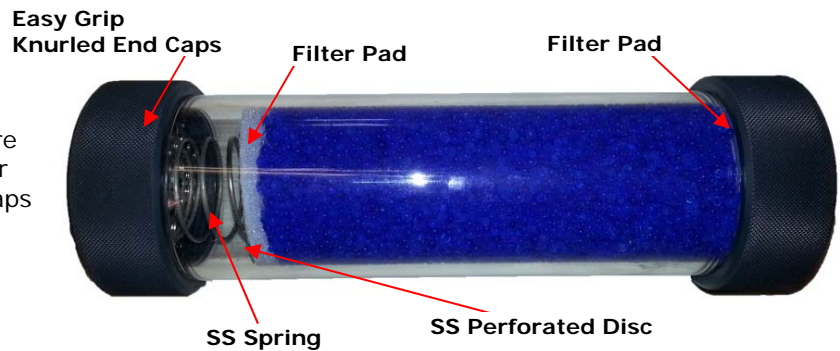
- Includes Integral Compression Spring To Increase Contact Time, And Reduce Adsorbent Breakdown
- Clear Body Allows Easy "Breakthrough" Monitoring



Aluminum Body 1/2" NPT	Replacement Adsorbent	Volume (cc)	Pressure (psig)	Tube OD	Cap Diameter	Overall Length
IAAH-1/2"-800-XX	RBIA-800-XX	800	250	3.47"	4.00"	8.00"
IAAH-1/2"-1600-XX	RBIA-1600-XX	1600	250	3.47"	4.00"	15.00"

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

The units come complete with filter pads and stainless steel loaded compression spring to ensure the gas stream passes through the entire chamber versus "channeling" a single path. Knurled end caps make service quick and easy.



**Note: Units are completely filled, and thus the spring is not normally visible. Directional flow arrows are attached for proper installation.**

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