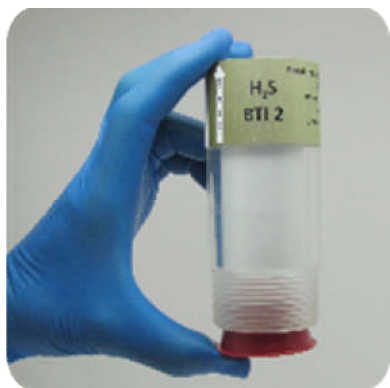




## BTI 2 Refilling Instructions



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**READ AND UNDERSTAND ALL INSTRUCTIONS BEFORE USE**

These Instructions must be read and understood by user before operating this product or using its accessories, in order to ensure proper and safe use of this product.

Read and understand all applicable federal, state, and local environmental health and safety laws and regulations, including OSHA. Ensure complete compliance with all applicable laws and regulations before and during use of this product.

Do not substitute, modify, or omit parts or components. Use exact manufactured replacement parts in configurations specified by the original manufacturer.

Contact Chemteq's Service Department for any questions regarding these instructions or to arrange for a Returned Material Authorization (RMA).

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## BTI 2 Refilling Instructions

### 1. Instructions



**Table 1: Components of the BTI 2 Refill Kit**

Item No.	Description	No. of Items	Part Number
1	Colorimetric indicator Assembly	1	See table 2 for specific indicator
2	Cotter Pin ( $\frac{1}{16}'' \times \frac{1}{2}''$ )	3	436-1300
3	Porous Plug	2	401-1400
4	Sorption media	1	Acids (PN: 401-5200), ammonia (PN: 403-5200), hydrogen sulfide (PN: 406-5200), formaldehyde (PN: 411-5200), hydrazine (PN: 408-5200)

**Table 2: BTI 2 Colorimetric Indicator Assemblies**

Item No.	Colorimetric indicator Assembly	No. of Items	Part Number
1	Acid Gases and Vapors	1	401-1600
2	Ammonia Vapor	1	403-1600
3	Ammonia & Hydrogen Sulfide	1	402-1600
4	Formaldehyde Vapor	1	411-1600
5	Hydrazine Vapor	1	408-1600
6	Hydrogen Sulfide Gas	1	406-1600

**Table 3: Required Tools**

Item No.	Tool	No. of Items	Part Number
1	Miniature-Hook Pick 	1	431-9100
2	Small Pair of pliers 	1	NA

1.1. Remove bottom porous plug using miniature-hook pick (Figures 1 & 2)



Figure 1

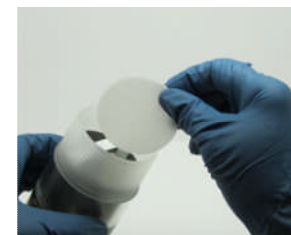


Figure 2

1.2. Remove indicator retainer (Figure 3)



Figure 3

1.3. Remove exhausted colorimetric indicator (Figures 4 & 5)

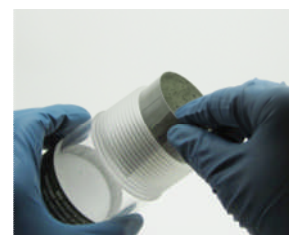


Figure 4

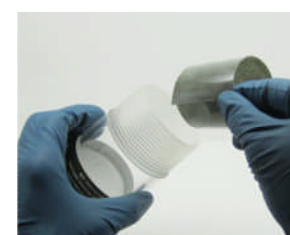


Figure 5

## BTI 2 Refilling Instructions

1.4. Remove cotter pins using small pair of pliers and miniature-hook pick (Figure 6 & 7)

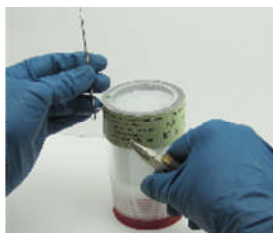


Figure 6

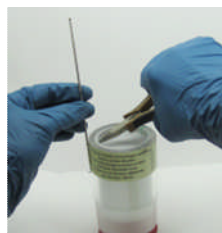


Figure 7

1.5. Carefully remove the top retainer and top porous plug (Figures 8 & 9)

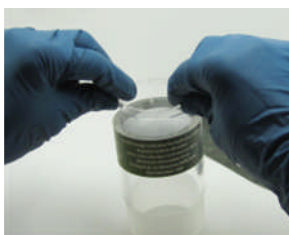


Figure 8

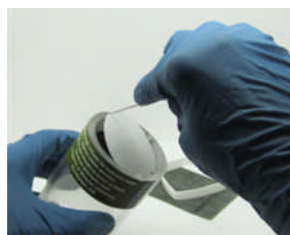


Figure 9

1.6. Empty consumed sorption media (Figure 10)



Figure 10

1.7. Allow indicator body to stand for 24 hours or blow clean air through it to remove any traces of contaminants (Figure 11)



Figure 11

1.8. Inserts suitable colorimetric indicator assembly; see Table 2, (Figures 12 & 13).

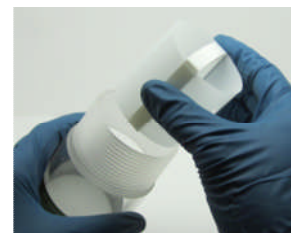


Figure 12

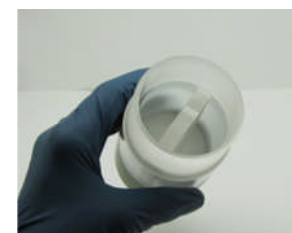


Figure 13

1.9. Replace bottom porous plug (Figures 14 & 15)

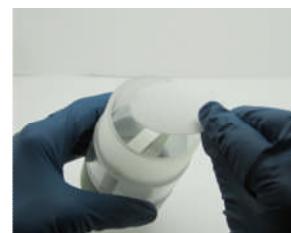


Figure 14

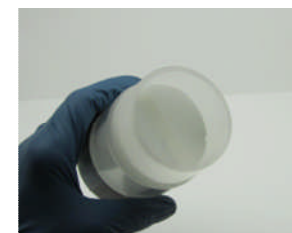


Figure 15

## BTI 2 Refilling Instructions

1.10. Replace red plug (Figure 16)



Figure 16

1.11. Turn BTI 2 top side up and charge top with suitable sorption media (Figure 17)



Figure 17

1.12. Replace top porous plug (Figure 18)



Figure 18

1.13. Replace top retainer, insure to align the green mark on retainer and the indicator (Figure 19)



Figure 19

1.14. Insert the three cotter pins to hold top retainer to indicator body, use pliers to secure pins in place (Figures 20 & 21)

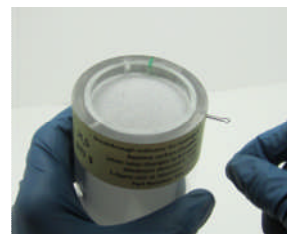


Figure 20



Figure 21

**PLEASE CALL US AT 757-622-2223 OR EMAIL US AT [info@chemteq.net](mailto:info@chemteq.net)  
FOR ANY QUESTIONS REGARDING THESE INSTRUCTIONS**

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