

## Accessories for all Bebco Blower Units

### General Description

Model RP Rigid Pipe Stacks, Model RPAK Rigid Pipe Anchor Bolt Kits, and Model SC Stack Caps provide a fresh air intake system for Bebco Pressurization and Ventilation Units. The Model RP are available in 12", 16", 20", and 24" diameters in either carbon steel or stainless steel.

**NOTE:** THE WELDED CARBON STEEL FLANGES ON GALVANIZED STACK PARTS ARE VULNERABLE TO CORROSION. THEREFORE, BEBCO STRONGLY RECOMMENDS SELECTION OF A HOT-DIP FINISH (APPLIED AFTER WELDING) FOR MAXIMUM CORROSION PROTECTION.

### RP Rigid Pipe Stacks

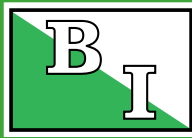
Model RP Rigid Pipe Stacks are 25 foot single-piece stacks constructed from seal-welded 1/4" thick (schedule 20) carbon or stainless steel pipe. The Model RP features a seal-welded flange at the top for the stack cap connection and a seal-welded blind flange at the bottom for mounting to a concrete slab. In addition, the Model RP features a custom fit, seal-welded branch tee connection with a rotating Vanstone flange for connection to the intake stack opening of a Bebco Pressurization or Ventilation Unit. Note: Customer must determine position of branch tee connection at time of order, see back page for instructions.

### RPAK Pipe Anchor Kits

Model RPAK Rigid Pipe Anchor Kits provide a means of securing Model RP Pipe Stacks to a suitable concrete mounting slab. The bolts at the base of the intake stack are designed to level the stack by adjusting the height of each bolt when erecting the stack. These bolts provide a precision leveling system for the stack and creates a space that can be backfilled with grout or left open for drainage. The Model RPAK anchors must be secured to the steel reinforcement of the concrete mounting slab prior to setting the concrete. Bebco strongly recommends the installer consult a licensed civil engineer to ensure proper load calculations prior to installation. The Model RPAK-12 is supplied with twelve (12) anchors (for 12" pipe), the RPAK-16 is supplied with sixteen (16) anchors (for 16" pipe), the RPAK-20 and RPAK-24 are supplied with twenty (20) anchors (for 20" and 24" pipe).

### SC Stack Caps

Model SC Stack Caps are intended for mounting to a Model RP Rigid Pipe Stack to prevent falling rain, debris and birds from entering the stack. The Model SC features a seal-welded steel flange and a 2 x 2 (1/2" x 1/2") steel mesh screen.



# MODEL RP, RPAK & SC

## RIGID PIPE STACKS & ACCESSORIES

ECU Division Technical Bulletin RPSA-R1.0

02/96



**Model RP**

12" diameter x 25' length shown



**Model SC**



**Model RPAK**

### Material Specifications

#### Model RP Rigid Pipe

Stack  
Flange

25' x 1/4" Schedule 20 Carbon Steel or 316 Stainless Steel  
Seal-welded Carbon Steel or 316 Stainless Steel

#### Model SC Stack Cap

Cap, Body & Flange  
2 x 2 (1/2" x 1/2") Mesh Screen

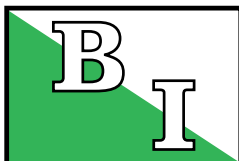
16 Ga Galvanized Steel or 316 Stainless Steel  
Galvanized Steel or 316 Stainless Steel

#### Model RPAK Rigid Pipe Anchor Kit

Stud  
Anchor Body, Nuts and Washers

A36 grade Steel  
A36 grade Steel

Carbon steel parts are available in a painted finish, hot-dip galvanize finish or no finish. Stainless steel parts are available in a painted finish or no finish.



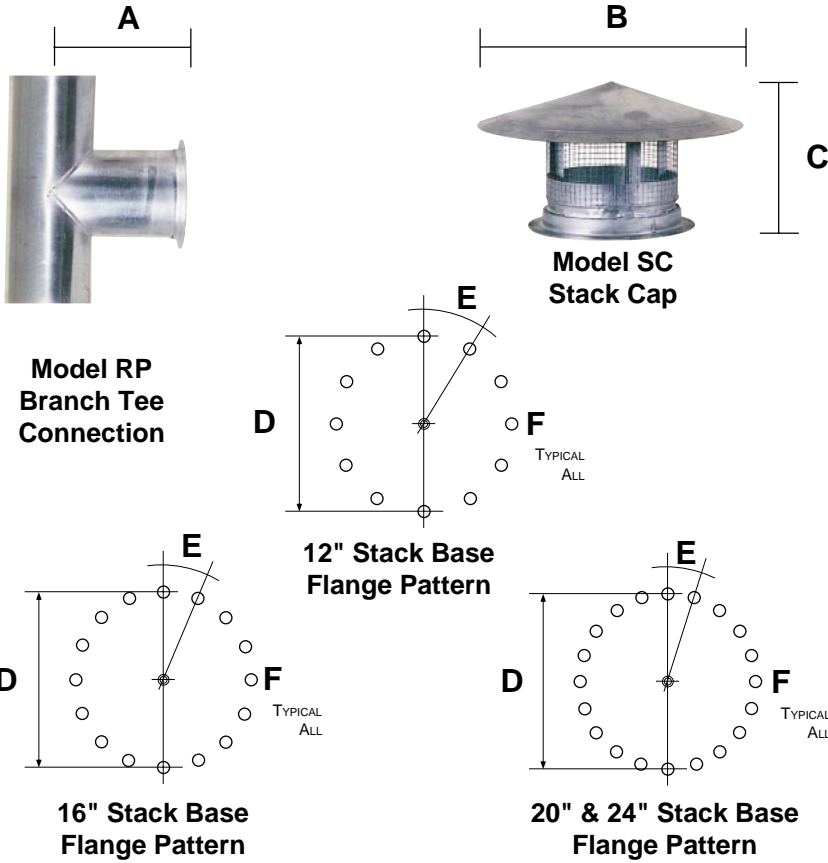
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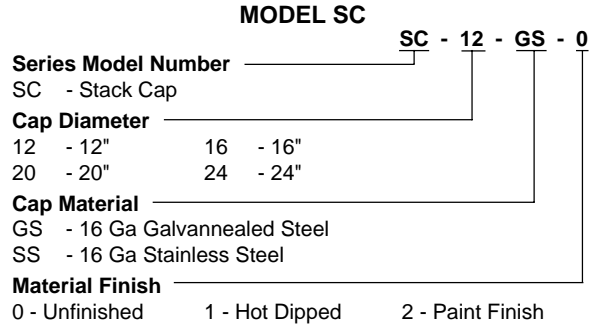
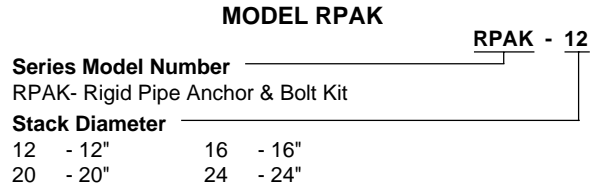
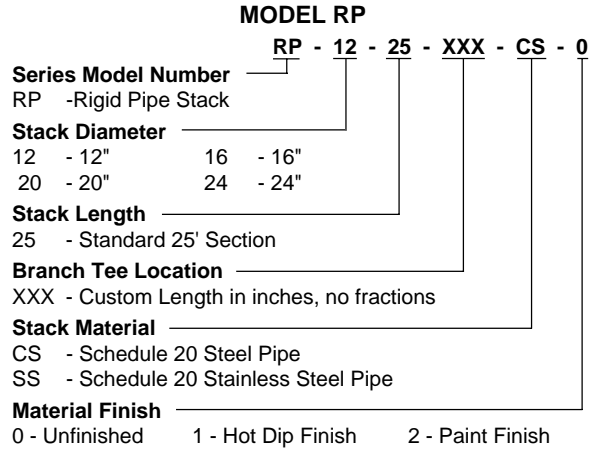
## Positioning RP Branch Tee Connection

Model RP Rigid Pipes are custom made to order stacks for building pressurization or ventilation units. To determine the branch tee connection position, the customer must provide the measurement from the center of the Bebcos Pressurization or Ventilation Unit's intake stack connection to the stack mounting slab. The measurement must be rounded to the nearest inch, no fractions. **IMPORTANT NOTE:** Bebcos recommends an additional 1 (one) inch be subtracted from the measurement to provide adequate clearance for stack leveling purposes.

## Component Dimensional Details



## Model Number Designations



## Component Dimensions

| Stack Diameter | 12" | 16"    | 20"   | 24"    |
|----------------|-----|--------|-------|--------|
| A              | 18" | 24"    | 30"   | 36"    |
| B              | 24" | 32"    | 40"   | 48"    |
| C              | 13" | 16"    | 19"   | 22"    |
| D              | 17" | 21.25" | 25"   | 29.5"  |
| E              | 30° | 22.5°  | 18°   | 18°    |
| F              | 1"  | 1.125" | 1.25" | 1.375" |

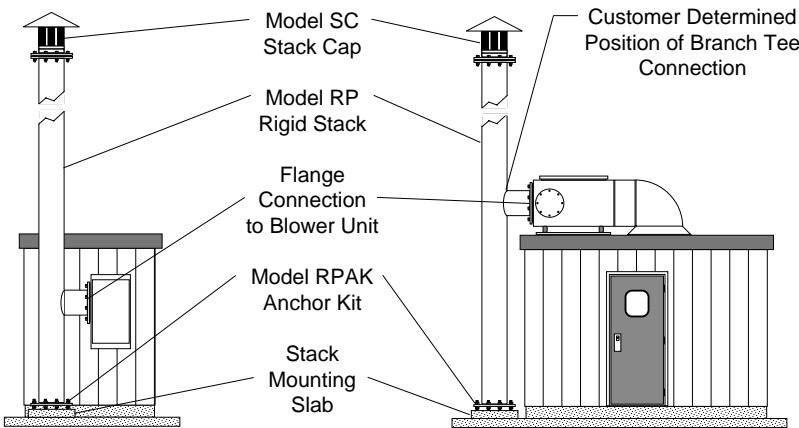
## Component Weights

| Stack Diameter | 12" | 16"  | 20"  | 24"  |
|----------------|-----|------|------|------|
| RP-            | 785 | 1382 | 1686 | 1902 |
| SC-            | 42  | 53   | 61   | 84   |
| RPAK-          | 40  | 66   | 85   | 115  |

All weights shown in pounds, excludes shipping pallet(s).

## Local Sales Representative

## Typical Stack Installations



### IMPORTANT NOTES

All specifications subject to change without notice.  
Warranty & Liability policies available upon request.

Installers must recognize the need for adequate stack foundation anchoring systems. Installers assume all liability for the installation and integrity of said systems, wherein design considerations should ensure that structural support systems are capable of withstanding local inclement weather conditions.