

1. GENERAL SPECIFICATIONS

- 1.1. The unit shall have the look and feel of quality, durability, and professionalism.
- 1.2. The unit shall be completely factory assembled and tested and shall be shipped in sections to facilitate shipping requirements.
- 1.3. The unit shall be designed to be functional and attractive.
- 1.4. The unit shall have capability to safely drain and re-roll 100 ft. lengths of 5" diameter hose with coupling attached.
- 1.5. The unit shall be capable of rolling hose into tight, uniform coil, with edges flush.
- 1.6. The unit shall be designed to re-roll hose in horizontal position and to drain and re-roll hose in vertical position.
- 1.7. The unit shall remain stable in all positions with 100 ft. of 5" diameter hose with coupling on turntable top.
- 1.8. Turntable top shall rotate smoothly and easily even under full loads, and shall be free of wobble.
- 1.9. Turntable top shall tilt from horizontal to near vertical with at least one intermediate position available.
- 1.10. Pivot mechanism shall work smoothly and have a solid, quality feel.
- 1.11. Pivot mechanism shall safely and securely lock into each available position, with "wobble" and "play" kept to a practical minimum.
- 1.12. Unit shall be usable and safe without optional main tube support installed.
- 1.13. Unit shall be designed for portable operation and equipped with castors to aid mobility.
- 1.14. Unit is to remain stable while being moved.
- 1.15. Unit shall be shipped with comprehensive assembly and operating instructions.

2. MATERIALS AND CONSTRUCTION

- 2.1. Adequate safety procedure shall be part of the assembly and operating instructions.
- 2.2. Unit shall be shipped with an exploded view of unit with all parts labeled with name and part number.
- 2.3. Unit shall be covered by a one year parts and labor warranty.
- 2.4. The following Tilt top configuration choices are to be available to

the customer:

2.4.1. 30" Top with Standard Pivot Mechanism and Regular Base

2.4.2. 36" Top with Heavy Duty Pivot Mechanism and Heavy Duty base with main tube support

3. TURNTABLE TOP

3.1. Table top shall be of fiberglass construction, reinforced with a plywood core.

3.2. The top shall be either 30" (standard) or 36" (heavy duty) in diameter and free of flex with no tendency to "oil can".

3.3. The edge of the top shall be rolled under and made smooth to allow un-gloved hand to safely rotate the top.

3.3.1. There shall be a 6" diameter recess 1/2" deep in center of top to accept the mounting plate for the turntable post

3.3.2. There shall be a 6 inch diameter rubber protection pad mounted onto the mounting plate to help aid in protecting the hose ends.

3.3.3. The pad shall be black rubber, glued into place.

3.4. The top shall be drilled to accommodate a "U" shaped bracket designed to retain the coupling.

3.4.1. This bracket shall be mounted off center to allow the coupling to lay on center.

3.5. The turntable post shall be mechanically mounted to the underside of the top.

3.5.1. It shall be done in such a manner that will allow top to support 100 ft. of 5" hose with coupling without wobble in both horizontal and vertical positions.

3.6. The color of the top shall be a deep Fire Engine Red, and is to be a gel coat finish.

4. RETAINING BRACKET

4.1. The retaining bracket shall be made of steel of either bent or welded construction to form "U".

4.1.1. It shall be able to accept the coupling of a 5" diameter hose.

4.1.2. Bracket is to be mounted off center to allow coupling to lie on center.

4.1.3. Blades of bracket shall be narrow enough to allow Circul Air dryer tray to fit over bracket and rest flat on turntable top.

4.1.4. Bracket to be attached to turntable top with bolts; fitted with

lock washers and nuts of stainless steel or zinc plated. Retaining bracket shall be painted gray.

5. TURNABLE POST

5.1. Turntable post shall be a hollow steel tube of adequate strength and length to safely support turntable top with 100 ft. of 5" hose with coupling in both horizontal and vertical position.

5.1.1. It shall be of such diameter to fit inside pivot to allow rotation of turntable top without excessive play or wobble.

5.1.2. The turntable post shall remain unpainted, but is to be coated with white grease to prevent rust and allow smooth rotation.

5.1.3. A brass or bronze thrust ring shall be fitted between the turntable post and the pivot post.

5.1.4. Alternate materials may be used for the turntable post if they do not compromise safety or durability.

5.1.5. Turntable post may be attached either mechanically or through bonding to achieve necessary degree of safety and durability.

6. PIVOT POST

6.1. Pivot post shall be a hollow steel tube. It shall be of such a size as to safely support turntable top with 100 ft. of 5" hose with coupling in both the horizontal and vertical positions.

6.1.1. The diameter shall allow turntable post to drop into pivot post without excessive play to prevent wobble in turntable top even under full load.

6.1.2. A bracket and tube assembly to retain the pivot pin shall be securely welded to the pivot post to safely support the turntable top with 100 ft. of 5" hose with coupling, in both the horizontal and vertical positions. The tolerance of the tube and the pivot pin shall be such as to keep play to a practical minimum.

6.1.3. The pivot post shall be painted gray. The inside surface of the pivot post shall be coated with white grease to prevent rust.

7. PIVOT MECHANISM

7.1. The pivot mechanism shall be made of steel plates of such thickness as to prevent flexing, even under full load. It shall be attached with either mechanical fasteners or by welding to prevent

flexing.

7.1.1. The pivot pin and pivot locking pin holes shall be held to tolerances that will minimize, wobble and play.

7.1.2. Bushings or sleeves may be used to ensure tightness and rigidity in these important movement points to combat wobble in the turntable.

7.1.3. The pivot mechanism shall be painted gray in color.

7.1.4. Pivot pin and pivot locking pin shall be stainless steel to prevent rust.

8. MAIN POST

8.1. Main post shall be made of hollow steel tubing of such thickness as to prevent flexing and bending when re-rolling or draining 100 ft. length of 5" hose with coupling.

8.1.1. Bottom of post shall be threaded to mate with base plate flange.

8.1.2. Main post shall be painted gray.

8.1.3. A lock-nut shall be provided to secure main post in flange.

9. MANEUVERING HANDLE

9.1. A maneuvering handle shall be provided to aid in moving and positioning the unit.

9.1.1. The handle shall be made from hollow steel tubing as large in diameter as practical to convey strength.

9.1.2. It shall be welded to the main post to keep flexing to a minimum.

9.1.3. Handle is to be capped with rubber or plastic handgrip.

9.1.4. Handle is to be painted gray.

10. BASE

10.1. Base shall be constructed of steel plate of such gauge as to safely support the entire turntable assembly and a person standing on the base, With 100 ft. of 5" hose with coupling, in both horizontal and vertical positions.

10.1.1. The base shall be basically triangular with a length 36" for each side.

10.1.2. The edges should be bent under.

10.1.3. Two corners shall have castors welded or mechanically fastened to the underside.

10.1.4. The third corner shall have an angle that shall be welded and/or mechanically fastened to the base in such location as to provide maximum stability and to serve as the holding mechanism when set on the floor.

10.1.5. The flange to accept the main post shall be welded and/or mechanically fastened to the base in such location as to provide maximum stability. The base and flange assembly shall be designed to minimize flexing.

10.1.6. The base plate shall be painted gray.

10.1.7. Strips of rough tread tape or another means of non slip material will be placed on top of the base to allow a person to stand on base while turning the table top wheel when rolling up hose in the vertical position.

10.1.8. A safety warning decal shall be affixed to skid end of the base, and a Circul-Air Corp. decal shall be affixed to the base top between the castors.

11. MAIN POST SUPPORT

11.1. The main post support shall be available on the Heavy Duty Model.

11.1.1. The main post support shall be of metal construction of adequate strength to add support to the main post to prevent side to side flexing and movement of the turntable assembly with 100 ft. of 5" hose with coupling in both horizontal and vertical positions.

11.1.2. The main post support shall be securely affixed to the base with rust resistant, mechanical fasteners. If main post support covers base, decals are to be placed on the main post support.

11.1.3. Main post support shall be painted gray.