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# PPE Series EOD Suit Direct Dryers™ User Manual

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# General Information

## Direct Dryers™

Direct drying is a strategy for drying items that do not lend themselves to being dried by rotary style dryers. Air is distributed within the article providing an efficient and non abrasive drying mechanism.

## Operation

The unit may be operated in two modes . The operation selector switch has three positions: 'Off' in the centre position, marked 'O'; 'A' for the bottom position, indicating ambient or room air mode; and 'W' for the upper position, indicating warm air mode. When in Warm Air Mode the red indicator light is on.

1. Warm Air Mode - room temperature air is raised 6°-8°C (10°-15°F). With the switch in the 'W' position warm air is distributed to the items ensuring faster drying and warm comfortable and hygienically dry equipment is available. This mode is not recommended when the ambient room temperature exceeds 30°C (90°F).
2. Ambient Air Mode. With the switch in the 'A' position room temperature air is distributed to the items ensuring they are maintained in a dry state preventing bacterial growth and unsanitary conditions.

## Maintenance

Clean components with any household style cleaner and regularly remove the lint that can accumulate at the air intake located on the right hand side of the blower enclosure. Failure to keep intake clean may: shorten the life expectancy of the electrical components and cause dirty air to be blown into the garment.

## Warranty

2 years on electrical components.  
5 years labour & materials on super structure.

## General

Electrical information and identification numbers are located on the Manifold.  
Dryers take approximately 10 minutes to reach operating temperature (warmed air mode). The air will not feel hot. To test touch a piece of non warmed steel and then the dryer.

## Safety Instructions

The Williams® Direct Dryer™ is a commercial product designed for use in situations where apparel or safety gear is worn and needs to be dry for re-use .

This product must be assembled correctly by persons with adequate knowledge in the use of hand tools and the ability to make steel component to steel component connections.

This Dryer requires a nominal 230V 6A power supply or in North America 115V 12A. The power supply cord and plug provided with the dryer is a heavy duty type but must be kept away from the floor area where it might be stepped on.

Should the power supply cord or plug be damaged it must only be replaced by the manufacturer's recommended service agent or a suitably qualified person, in compliance with the relevant Laws of the local jurisdiction in which it is situated.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

When the assembled dryer is ready to use, it can be rolled to a suitable location, ensuring adequate access from the front or back as required to dress the dryer.

Once suitably located activate the locking mechanism on the casters to ensure the dryer remains stationary.

When the dryer is positioned for use the power supply cord should then be plugged in, ensuring there is no strain on cord and the cord is not left where it may be subject to physical abuse.

# Assembly EOD Suit Dryer

## Contents

1 only Ball,  
1 only 'T' Distributor,  
2 only Drying Arches,  
2 only Horizontal Distributors,  
2 only Long Risers,  
1 only Wall Timer

2 only Short Risers,  
2 only Jacket Risers,  
1 only Manifold,  
2 only 'C' Channels,  
4 only casters,  
9/16" wrench

## Hardware



h.b1



h.w1

## **Assembly**

The parts should all be laid out flat for general review prior to assembly. Check for damage to any of the component parts. If any problems contact the supplier or the manufacturer.

The Manifold can be safely rested on its back as there are no parts which could be damaged from this action.

The appliance should be assembled using 'hand' tightened connections (except the casters which can be torqued upon assembly). Upon complete assembly, the connections must be firmly tightened. Do not over torque the bolts as this could "twist out" the embedded 'pem' nuts.

Attach Casters to the 'C' Channels (h.b1 & h.w1). Attach the 'C' Channels to the Manifold above (h.b1 & h.w1).

Attach the Risers to the Manifold (h.b1 & h.w1).

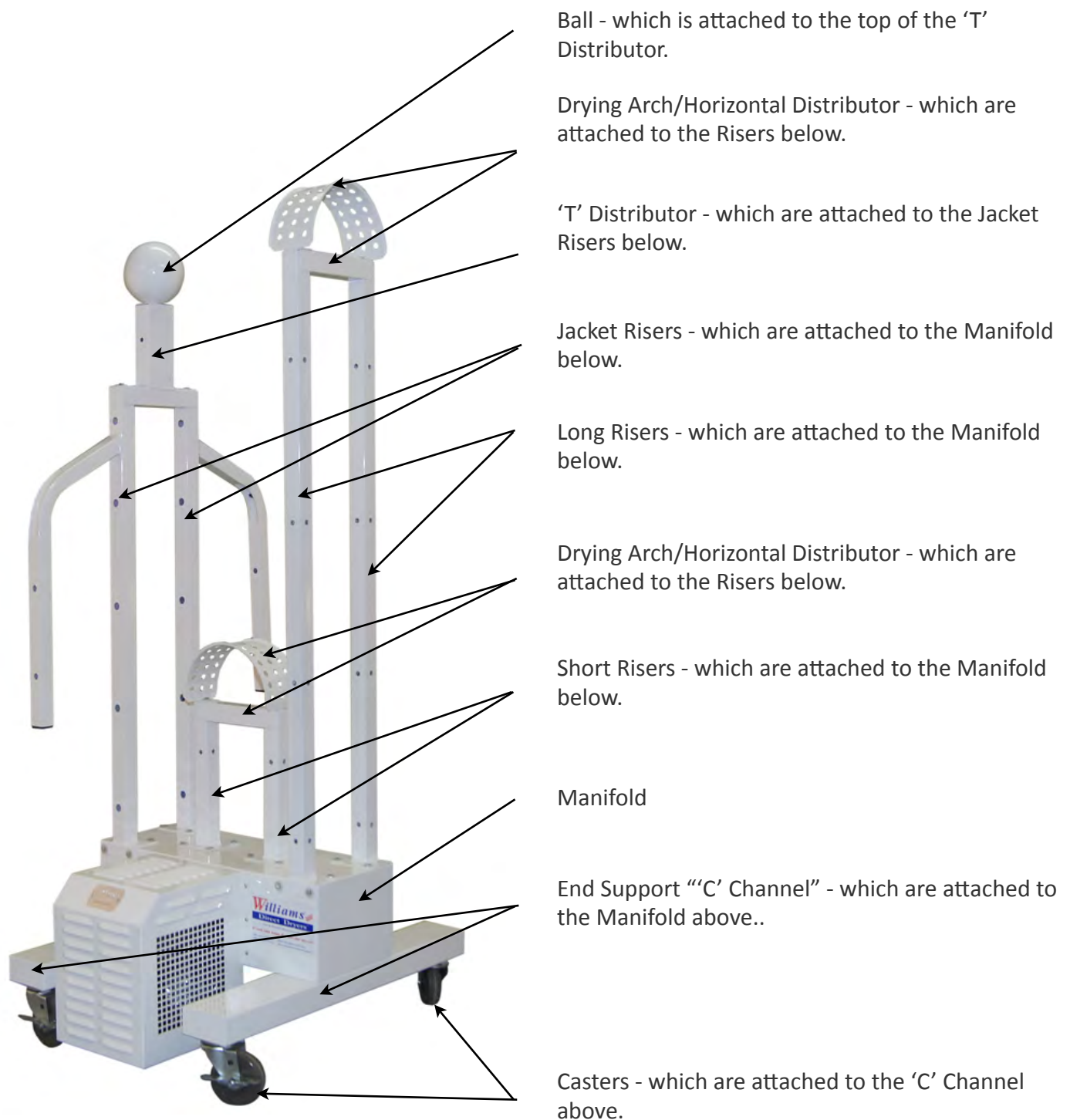
Secure the 'T' Distributor to the top of the Jacket Risers. Screw the ball onto the top of the 'T' Distributor.

Place a Drying Arch on top of a Horizontal Distributor and secure to each of the 2 pair of Risers (h.b1 & h.w1).

## **Required Tools for Assembly**

7/16"(12mm) wrench (supplied) plus 7/16"(12mm) socket with 2"(50mm) extension. Socket wrench will make it easier to connect the 'C' Channel to the underside of the Manifold.

## Assembly Diagram EOD Suit Dryer



# EOD Suit Dryer Dressing

## Dressing Jacket/Helmet Station

Place the Jacket on a flat surface, use both hands to reach inside the Jacket up to the shoulders. While supporting the weight of the Jacket by the shoulders lift over the Ball and gently lower until evenly supported by the Shoulder Arms of the Jacket Station.

Place the Helmet onto the Ball. Orient so as to allow the air nozzles to aim at the ear pads.



## Dressing IGP Station

Fold the IGP along the main axis of the IGP Station. Connect velcro straps to create an enclosed volume.



## Dressing Pant Station

Open the Pants completely. Hang on the Pant Station using the waist band as support. Zip the Pants together to create a “drying” tube.

