

Accudry

standardised laboratory tumble dryer



Introduction

Textile Laboratories, throughout the world, carry out a wide range of tests, in which domestic laundering conditions are simulated.

Standardised washing machines are universally used but so far, no equivalent *standardised* 'domestic' tumble drying machine has been available.

Laboratories have been compelled therefore to use normal home laundry dryers, purchased from high street retailers – with predictable problems of wide variations in performance from machine to machine, and between different manufacturers. There have also been widespread problems of machine reliability and of

continuity of supply of particular models. Normal domestic tumble dryers are also inflexible, having – at best – two *fixed* temperature settings, with a broad temperature tolerance.

Responding to this challenge, we have designed and developed **Accudry**, the world's first *standardised* Tumble Dryer.

The right is reserved to alter the specification or modify the appearance without notice.



James H. Heal & Co. Ltd.

Accudry

standardised laboratory tumble dryer

Accudry is an air-vented, reverse-action, *standardised* Tumble Dryer, which corresponds exactly to the requirements of prEN ISO 6330, Marks and Spencer P1A and AATCC 135.

Accudry is engineered for laboratory shrinkage tests. It is designed to reduce *machine variables* and *operator error* to the absolute minimum.

The Dryer is equipped with a digital, *exhaust* air temperature controller and digital timers for the *heating and cooling* periods.

A mutable buzzer signals the completion of the timed cycle, but **Accudry** can also assist laboratory technicians to establish the optimum duration of heating and cooling cycles. Mass-produced domestic tumble dryers give no indication when their loads have reached the required state of dryness, whereas **Accudry's** digital display of *actual* temperature makes it possible to determine when moisture evaporation is completed.

Key Features

- ▶ **Guaranteed compliance with standards**
- ▶ **Accurate control of heating and cooling periods**
- ▶ **Precise control of the exhaust air temperature**
- ▶ **Cycle running and cycle complete indicators**
- ▶ **Service and calibration facilities**

Standards

prEN ISO 6330 : 1997
"Textiles – Domestic Washing and Drying Procedures for Textile Testing"
Marks and Spencer P1A
AATCC 135

Technical Data

Drum

Diameter : 55.8 cm

Nominal Depth : 38 cm

Volume : 95 litres

Capacity : 5 kg (*dry load*)

Peripheral Centrifugal Acceleration: 0.78 g

Rotational Speed : 50 rpm

Direction Change : every 2 minutes

Controls

Exhaust Air Temperature: 30° – 80°C

Heating Period : 0 – 9999 minutes

Cooling Period : 10 minutes (*fixed*)

Safety

Dual circuit interlock on door

Thermostatic protection of air inlet, drum and motor

Dimensions : 595 mm (wide) x 610 mm (deep) x 850 mm (high)

Weight : Approx. 40 kg

Power Requirements : Single phase 230V 50Hz (13A) or Single phase 220V 60Hz

How to Order ?

317 Accudry

Supplied with venting kit for *front or rear* mounting