

Gyrowash 815

WASHING & DRY CLEANING COLOUR FASTNESS TESTERS



Gyrowash 815

Used to investigate colour fastness to washing, dry cleaning and chlorinated water of textile and leather specimens, the new Gyrowash 815 range of colour fastness testers accentuates all that is synonymous with James H. Heal instruments: **innovative engineering, versatility, ease of operation, affordability and reassuring longevity.**

Find out how new technology and advanced manufacturing techniques have enabled us to create a new breed of instruments, designed to stand out proudly in your laboratory.

Standards & Test Methods

The combination of uncompromising build quality, a thoughtfully designed user-interface and the **AATCC approval for its inclusion in Test Method 61**, is proving irresistible to testing professionals all over the world.

The Gyrowash 815 range also complies with **ISO 105** and conforms to the requirements of major European Retail Store Groups, including **Marks and Spencer** and **NEXT**.



The Range

There are 3 Gyrowash models to choose from:

>> One Bath 815/8

With a maximum capacity of 8 large or 8 small test vessels and an attractive price, the 815/8 is the most cost-effective single bath Gyrowash, ideal for laboratories carrying out low volumes of washing and dry cleaning colour fastness testing to European and American standards.



>> Two Bath 815/8x2

With a maximum combined capacity of 16 vessels, **this two bath instrument** offers the ultimate in flexibility. The baths have completely separate controls and drive systems, so they can be used as two *independent machines* for both European and American standards.



>> One Bath 815/20

The instrument's horizontal rotor can hold five test vessels on each of the four sides thus having a maximum capacity of 20 large or 20 small vessels, or a combination of large and small. The 815/20 is perfect for laboratories that carry out high volumes of testing to AATCC test methods or ISO standards.



Key Features

Every design nuance of the new Gyrowash 815 Range reinforces its proud James H. Heal pedigree...

>> Built To Last

Every Gyrowash is designed and built to the highest standards of performance and reliability. These instruments are intended for continuous use in a wet environment and for this reason each machine and its test vessels are manufactured from high-grade stainless steel. The vessel seals are solvent and chlorine-resistant and are suitable for all types of testing.

For your further reassurance we offer an 18-month warranty.

>> Push and Twist

Unlike the vessels of most other washwheels, no conversion parts or securing bars are required for fixing them on the rotor. Instead, all our test vessels incorporate a **Push and Twist** feature, which enables the operator to effortlessly and rapidly remove and replace them on the rotor.



>> Rapid Cooling

Every instrument in the Gyrowash Range can be permanently connected to a water supply and drain.

Whilst not essential, this built-in fill/drain facility has an important advantage: some of the latest test methods specify starting temperatures of 25°C.

In such cases, the fill/drain facility of Gyrowash can be used to empty the bath of hot water and refill with cold water, bringing down the temperature quickly and effectively, before the start of the next test.

Permanent connections also encourage the operator to refresh the water bath regularly ensuring the machine remains pleasant to use.

>> Easy to Use

Each bath has a conveniently positioned, waterproof control panel that incorporates a programmable electronic temperature controller and a count-down timer.

The timer can be linked to the temperature controller for **temperature rate of rise** Standards. These require the time period to start automatically when the set point temperature is reached.

In addition, an illuminated and audible alarm signals the end of the test.



>> Safe to Operate

At James H. Heal we know that when it comes to operator safety there are no shortcuts.

This philosophy of outstanding safety permeates every design element of the Gyrowash range.

For example, once the bath lid is opened a sensor will automatically stop the horizontal rotor; pressing and holding two well-spaced buttons simultaneously is the only means of driving the rotor with the lid raised.

Furthermore, the slow speed of the rotor protects the operator and the surrounding area from splashing water while the bath lid is open.

Quality Assured Consumables

To ensure you can commence testing upon receipt of the instrument, we offer a comprehensive range of Consumables, from non-corrodible steel balls to Heal's Multifibre and Detergents. AATCC consumables to comply with numerous American test methods are also available.

Heal's Quality Assured Consumables are a guarantee of quality and fitness for purpose, consistent with our reputation for producing world class, leading edge instrumentation.



Healink

Accreditation by the **United Kingdom Accreditation Service** is the pinnacle of instrument calibration and is recognised worldwide. We were the first company accredited by **UKAS** to calibrate instruments of this type. A **UKAS Calibration Certificate** from **Healink, Heal's Service and Calibration Division**, is the ultimate verification of an instrument's compliance with International Standards.



WHERE EXCELLENCE IS INDISPENSABLE AND THE PRESSURE FOR HIGH QUALITY IS CONSTANT YOU WILL FIND A JAMES H. HEAL INSTRUMENT.

Gyrowash 815

- TECHNICAL DATA

EXTERIOR DIMENSIONS	WIDTH	DEPTH	HEIGHT including legs	HEIGHT with lid open	WEIGHT
815/8	810 mm (31.9 inch)	785mm (30.9 inch)	1035 mm (40.7 inch)	1510 mm (59.4 inch)	210 kg (463 lb)
815/8x2	1255 mm (49.4 inch)	785mm (30.9 inch)	1035 mm (40.7 inch)	1510 mm (59.4 inch)	250 kg (550 lb)
815/20	1255 mm (49.4 inch)	785mm (30.9 inch)	1035 mm (40.7 inch)	1510 mm (59.4 inch)	250 kg (550 lb)

BATH DIMENSIONS	WIDTH	DEPTH	HEIGHT	BATH VOLUME	LIQUID MEDIUM
815/8	370 mm (14.6 inch)	490 (19.3 inch)	515 mm (20.3 inch)	35 litres	Water
815/8x2 (each bath)	370 mm (14.6 inch)	490 (19.3 inch)	515 mm (20.3 inch)	35 litres	Water
815/20	760 mm (29.9 inch)	490 (19.3 inch)	515 mm (20.3 inch)	70 litres	Water

ELECTRICAL OPTIONS	POWER (kW)	CURRENT (A)
815/8	220-240V, single phase 50/60Hz	5.1 22
815/8x2	380-420V, 3 phase, neutral & earth 50/60Hz	11.2 20 per phase
815/8x2	220-240V, 3 phase & earth 50/60Hz	10.2 32 per phase
815/20	380-420V, 3 phase, neutral & earth 50/60Hz	10.5 16 per phase
815/20	220-240V, 3 phase & earth 50/60Hz	10.5 25 per phase

WATER CONNECTIONS	
Cold water connection	¾ inch BSP
Drain	¾ inch BSP
Overflow	22 mm (0.87 inch) diameter standpipe

OPERATION	
Max bath temperature	95 °C (203 °F)
Rate of temperature rise	1.5 °C/min (2.7 °F/min)
Temperature control	± 1 °C (1.8 °F)

TEST VESSELS (CANISTERS)	
Small (Type 1)	500ml (1 pt)
Large (Type 2)	1200ml
Rotational Speed	40 ± 2rpm

STANDARDS	
AATCC	61-1A, 132, 151 (Type 1 canister)
AATCC	61-2A, 61-3A, 61-4A, 61-5A, 86 (Type 2 canister)
EN 20105	C01, C02, C03, C04, C05
ISO 105	C06, C08, C09, C10, C12, D01, E03, X05
ISO 11643	
M&S	C4A, C5, C10A, C22, C23, C37, P3B
FTMS	191 Methods 5610/5621
NEXT TM	2, 2A, 3, 3A, 5
WOOLMARK TM	193, 250, 294, 300

WARRANTY
18 Months



Healink offers a totally comprehensive, worldwide support programme; providing a full range of services designed to maximise the potential of your testing resources.



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- HOW TO ORDER

ONE BATH		
901-965	Gyrowash 815/8 (Basic Machine <i>without</i> test vessels)	220-240V, single phase 50/60Hz
901-964	Gyrowash 815/20 (Basic Machine <i>without</i> test vessels)	380-420V, 3 phase, neutral & earth 50/60Hz
901-963	Gyrowash 815/20 (Basic Machine <i>without</i> test vessels)	220-240V, 3 phase & earth 50/60Hz
TWO BATHS		
901-966	Gyrowash 815/8x2 (Basic Machine <i>without</i> test vessels)	380-420V, 3 phase, neutral & earth 50/60Hz
901-967	Gyrowash 815/8x2 (Basic Machine <i>without</i> test vessels)	220-240V, 3 phase & earth 50/60Hz
TEST VESSELS		
718-900	Small (500ml / 1 pt) Test Vessel / Canister (Type 1)	
718-901	Large (1200ml) Test Vessel / Canister (Type 2)	
<i>All models accept a combination of small or large vessels. No conversion kits or other parts are required</i>		
CALIBRATION		
202-415 (1)	UKAS Certificate of Calibration for Gyrowash Single Bath	
202-415 (2)	UKAS Certificate of Calibration for Gyrowash Two Bath	
ACCESSORIES (ISO)		
766-200	HEAL'S Grey Scale for assessing Change in Colour ISO 105 A02	
766-201	HEAL'S Grey Scale for assessing Staining ISO 105 A03	
718-164	Non-Corroddible Steel Balls (washing) - pack (100)	
718-163	Non-Corroddible Steel Discs (dry cleaning) - pack (50)	
794-905	Non-Corroddible Steel Discs (dry cleaning) - pack (50 Discs/4 Cotton Bags)	
702-526	Cotton Drill Bags 100 x 100 mm (ISO 105 : DO1) - pack (50)	
718-168	PTFE Rods (ISO 11643) - pack (100)	
ACCESSORIES (AATCC)		
766-512	AATCC Gray Scale for Color Change	
766-513	AATCC Gray Scale for Staining	
718-164	Non-Corroddible Steel Balls (washing) - pack (100)	
718-163	Non-Corroddible Steel Discs (dry cleaning) - pack (50)	
CONSUMABLES (ISO)		
702-500	HEAL'S Multifibre Adjacent Fabric DW - per roll (10m)	
702-501	HEAL'S Multifibre Adjacent Fabric DW - per roll (25m)	
702-502	HEAL'S Multifibre Adjacent Fabric DW - per roll (50m)	
706-657	HEAL'S Standard Soap - per tub (2kg)	
706-650	HEAL'S ECE Formulation Phosphate Reference Detergent (B) (Without Optical Brightener) - per tub (2kg)	
706-651	HEAL'S ECE Formulation Phosphate Reference Detergent (B) (Without Optical Brightener) - per box (15kg)	
706-714	Anhydrous Sodium Carbonate - per pack (500g)	
706-652	HEAL'S ECE Formulation Non-Phosphate Reference Detergent (A) (Without Optical Brightener) - per tub (2kg)	
706-653	HEAL'S ECE Formulation Non-Phosphate Reference Detergent (A) (Without Optical Brightener) - per box (15kg)	
706-735	TAED (Tetra-acetyethylene diamine) - per pack (250g)	
CONSUMABLES (AATCC)		
702-417	Multifiber Adjacent Fabric Style 1 - per pack (1m)	
702-419	Multifiber Adjacent Fabric Style 1 - per box (500 pieces) 5 x 10cm (straight heat sealed edges)	
702-420	Multifiber Adjacent Fabric Style 10 - per pack (1m)	
702-421	Multifiber Adjacent Fabric Style 10 - per box (500 pieces) 5 x 10cm (straight heat sealed edges)	
702-403	Multifiber Adjacent Fabric Style 10A - per pack (1m)	
702-370	Multifiber Adjacent Fabric Style 10A - per box (500 pieces) 4 x 10cm (straight heat sealed edges)	
702-399	Multifiber Adjacent Fabric Style 10A - per box (500 pieces) 5 x 10cm (straight heat sealed edges)	
706-500	AATCC 1993 Non-Phosphate Reference Detergent (With Optical Brightener) - per tub (2kg)	
706-501	AATCC 1993 Non-Phosphate Reference Detergent (With Optical Brightener) - per box (15kg)	
706-502	AATCC 1993 Non-Phosphate Reference Detergent (Without Optical Brightener) - per tub (2kg)	
706-503	AATCC 1993 Non-Phosphate Reference Detergent (Without Optical Brightener) - per box (15kg)	
SPARES		
815-Spares	2-year Spares Kit for Gyrowash Range	

We reserve the right to alter the specification or modify the appearance without notice.

AGENT

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