

INFRARED LABORATORY DYEING SYSTEM

KFG-2550

This new Infra-Red Laboratory Dyeing System is a state-of-the-art dyeing unit. The air cooled IR unit addresses a very wide range of dyeing and testing requirements at an affordable price. The unit produces accurate laboratory sample dyeing with outstanding levelness and reproducibility. It can accommodate many different beaker sizes and quantities maximizing the versatility of the machine to change as your requirements change.

The IR LDS moves the beakers in a circular rotation with advanced infrared heating technology that eliminates glycol contamination and cumbersome beaker cleaning. The specially designed pressure tested beakers offer maximum safety and can be used for atmospheric and high temperature dyeing. Chemical auxiliaries can be easily added through our specially designed membrane beaker lid without removing the lid. The easy to operate multi-step controller makes operator error virtually impossible. The actual temperature inside the beaker is measured directly by a precision PT-100 probe and ensures the greatest temperature accuracy. The IR LDS is suitable for all types of substrates. State-of-the-art microprocessor technology ensures accurate temperature and process control.

KFG-2550A:Infra-Red Laboratory Dyeing System with 20 beakers x 150cc, membrane dosing

KFG-2550B:Infra-Red Laboratory Dyeing System with 15 beakers x 300cc, membrane dosing

KFG-2550C:Infra-Red Laboratory Dyeing System with 8 beakers x 500cc, membrane dosing

KFG-2550D:Infra-Red Laboratory Dyeing System with 8 beakers x 1000cc, membrane dosing

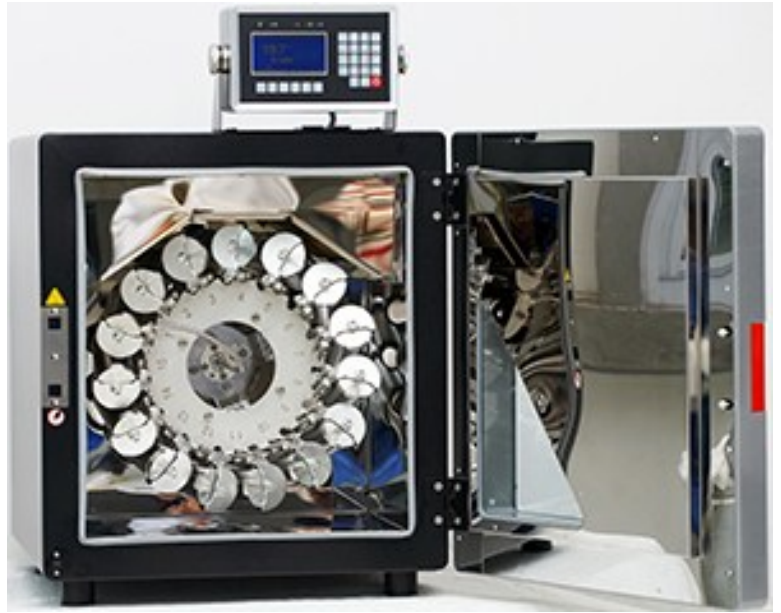
KFG-2550E:Infra-Red Laboratory Dyeing System with 1 container x 5000cc



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- Multiple beaker configurations (20 x 150 cc, 15 x 300 cc, 8 x 500 cc, 8 x 1000 cc, 1 x 5000 cc).
- Membrane dosing included. High-grade precision stainless steel construction.
- New controller interface uses symbols to relay programming information, eliminating the need for language translations.
- New See-through Door
- High temperature glass protected by a heat shield allows the user to visibly see the beaker motion in action.
- New Temperature Sensor
- High efficiency Infra-Red lamps and high output air cooling system reduce energy consumption
- Up to 20 dyeing positions available, many beaker sizes available, adaptable as the needs of the dye lab change.
- Low liquor ratio capable, down to 1:5 (natural fibers) or 1:3 (synthetic fibers)
- Beaker agitation options that offer smooth or aggressive agitation given the specific substrate requirement. Speeds 5-50 rpm with reversing.
- Up to 99 programs of 15 steps available to be stored locally for easy recall.
- Dyeing temperature measured inside the beaker.
- Standard operating package includes tools, spare temp probe, spare beaker seals, gaskets, membranes and 10cc injector syringe with spare needles
- Recommended sample sizes: for 150cc beaker-5g, for 300cc beaker-10g, for 500cc beaker-25g, for 1000cc beaker-50g, for 1000cc container-250g



Dimensions: 600 mm (24") W x 650 mm (26") D x 870 mm (34") H

Weight: 73 kg (160 lbs)

Electrical 220/240v AC, 50/60hz, 1ph