

## Dynisco PolyClean 12L Fluidized Temperature Bath



*PolyClean 12L Fluidized Bath*



*Sensor Support Tray*

### Description

The Dynisco PolyClean 12L Fluidized Temperature Bath can be used to clean extrusion tooling and all other types of hardware, shape set medical devices, calibration, testing various sensors and systems, heat treatment of metals as well as heating of reactors, coils, flasks and containers. Fluidized Temperature Baths typically provide faster processing times than ovens and furnaces and are much more thermally stable and uniform. Fast heat up of immersed parts and objects is another major advantage. Fluidized baths are safer to operate than molten salt baths while immersed objects come out clean and dry with no material to remove.

The PolyClean uses a PID temperature controller that has four control zones for improved thermal results. Independent over temperature protection will disable heat if the temperature exceeds 615 °C or in the event of a system failure.

### Features

- Fully automate fluidizing air control
- Independent over-temperature protection
- Advanced PID temperature controller for optimum results
- Built rugged for years of reliable operation
- Cleans most tooling in under 60 minutes
- Removes all types of polymer, paint, adhesives and resins
- Large working volume – up to 8.3" diameter by 26" depth in parts basket depending on model
- Up to 6500 watts of heat capacity for fast heat up

Performance Characteristics	
Temperature Range	50 to 605 °C
Overall footprint, H x W x D (inches)	27 x 24 x 21
Temperature Stability at 500°C	±1.0 °C
Calibrated Accuracy at 500° C	±5.0 °C
Radial Temperature Uniformity at 500°C	3.0
Heat Up time: Ambient to 600°C	150 minutes
Power Consumption	4.5 Kw (240v, single phase)
Working diameter	9.5 inches
Working depth	12 inches
Working area in basket (diam x depth)	8.4 x 12
Maximum load capacity	25 lbs
Air pressure required	40 PSI
Maximum Air consumption	3.5 SCFM
Total Unit Weight	110 lbs
Operating Weight with Aluminum Oxide	210 lbs
Cleaning Capacity	25 lbs
Cool Downtime: Max to 200°C	150 minutes

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