

# ACCURATE THERMAL SYSTEMS FLUIDIZED TEMPERATURE BATHS

## APPLICATIONS

Thermal cleaning of  
Extrusion tooling including:

- breaker plates
- dies
- nozzles
- tips
- screens
- metal filters
- flanges
- hardware
- and many more.....

General heat treatment of  
devices & materials

Heating of reactors

## BENEFITS

Large working volume –  
up to 15.8” diameter by 47”  
depth in parts basket  
depending on model

Up to 18kW heat capacity  
for fast heat up

Safer to the operator and  
tooling versus other  
methods

Designed and  
manufactured in USA

CE Marked

## MODEL FTBLL27 & FTBLL47 FLUIDIZED TEMPERATURE BATHS



- Fully automatic Fluidizing air control
- Independent over-temperature protection
- Advanced PID temperature controller for optimum results
- Built rugged for of reliable operation
- Cleans most tooling in under 60 minutes
- Removes all types of polymer including paint, adhesives, resins and plastic

With over 25 years of experience with Fluidized Bath technology we have developed a range of products that offer outstanding performance, safety, features and value that are unmatched. Unlike competing Fluidized baths our systems offer fully automatic Fluidizing air control and an advanced PID temperature controller for thermal performance. Fluidized Temperature Baths have been the thermal cleaning method of choice for over 40 years by many leading Fortune 500 companies. The cleaning process is thermal which breaks down all polymers and is not abrasive. You too can benefit from Fluidized Bath safety, fast cleaning and reduced labor in your extrusion operation and tool room.



# MODEL FTBLL27 & FTBLL47

## FEATURES AND SPECIFICATIONS

### WHAT'S INCLUDED

- Fluidized Bath
- full charge of bath media
- Instruction manual

### WHAT DO I NEED TO RUN THE SYSTEM

- 480VAC or 380VAC, 50/60 Hz, 3 phase power - Wye configuration, 15.5 amps(480V), 19.5 amps(380V) per leg for FTBLL27 & 21.5 amps (480V), 27.2 amps (380V) per leg for FTBLL47
- Clean dry air supply that can deliver a fixed 70 PSI at a max flow of 15 CFM
- Exhaust hood for fumes

### SERVICES AVAILABLE

- Technical support
- Application support



The model FTBLL27 and FTBLL47 use a PID temperature controller that has four control zones for improved thermal results. Independent over temperature protection will disable heat if the temperature exceeds 610°C or if the air supply pressure drops below 60 PSI. Fluidizing air is automatically controlled by the system. The remote control box includes an RS485 computer interface for connection to a PC with downloadable software from our website.

The control box is mounted on an articulating arm so it can be moved out of the way for improved access to the bath. The horizontal and vertical position of the arm can be changed as well as angle for easy viewing. It is connected the main control box via a 15 way cable. An air flow meter mounted on the main control box displays Fluidizing air rates.

Contact us today to request a quotation or for application assistance.



### Specifications & Ordering info

	<u>FTBLL27</u>	<u>FTBLL47</u>
Temperature range	50 to 605°C	
Working volume in parts basket	15.8" x 27"	15.8" x 47"
Stability at 900°F, better than -	±5.0	±10.0
Heat up time to 900°F	210 minutes	240 minutes
Cool down time – max to 400°F	240 minutes	300 minutes
Total Power consumption – 3 phase	12.9 kW	18 kW
Air pressure & flow required, max	70 PSI, 10 CFM	90 PSI, 12 CFM
Overall footprint, H x W x D - inches	53 x 36x 31	72 x 36 x 31
Unit weight without aluminum oxide	550 lbs	800 lbs
Aluminum oxide required / supplied	400 / 450 lbs	650 / 700 lbs
Cleaning capacity	130 lbs	200 lbs
Order code	ATS1016	ATS1015
Warranty	1 year	
<b><u>Standard Accessories</u></b>		
Retort lid	ATS1031	
Standard parts basket	ATS1053	ATS1030
Three tiered basket	ATS1065	ATS1059
Aluminum oxide – 100 pound pail	ATS1027	
Aluminum oxide – 400 pound drum	ATS1028	



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