

DESICCANT DRYERS

TD SERIES

Micro-Dryers

- **Solid State Temperature Control**
- **Throughput of 15 to 50 LB / HR**
- **4 Models to choose from:**
 - 15 CFM with 60 lb hopper
 - 25 CFM with 100 lb hopper
 - 50 CFM with 200 lb hopper
 - 100 CFM with 400 lb hopper

TempTek **TD Series** Desiccant Dryers provide dual-bed efficiency in four compact designs for floor or machine mounting. This dual bed dryer has automatic regeneration and low maintenance needs. The patented air diffuser technology and high efficiency blowers guarantee energy savings over larger and less efficient competitive models.

The **TD Series** dryer is designed for continuous duty to supply an uninterrupted flow of low dew point air (to -40°F).

- Dual bed stainless steel construction
- Brushed stainless steel interior with painted exterior
- Automatic regeneration
- Patented air diffuser technology
- High efficiency 13X molecular sieve desiccant
- Cyclone dual stage cartridge filter removes fines to 1 micron
- Guaranteed -40°F dew point process air
- Tubular heaters with Incoloy® sheath
- Optional Cooling coil for process temperatures above 250°F
- Main line contactor
- Electronically controlled valve actuation
- High efficiency 15, 25 or 50 CFM blower
- Dual-stage return air filter removes fines to 1 micron
- Easily accessible maintenance points
- Electromechanical with solid state process controller
- Optional Controller voltage of 115v / 1ph / 60 cycle
- 1 Year parts and labor warranty
- Nationwide service support network

**The Best Choice for
Your Bottom Line**

**... not to mention your
process drying needs!**



TD-25 model shown with drying hopper and hopper/dryer mounting bracket.

Solid State Temperature Control Instrument



- Over-temperature alarm with indication
- Auto tune PID temperature control with dual LED display
- Calibration feature and setpoint secure switch

The Solid State Temperature control Instrument is standard and all models of TD Series Desiccant Dryers.

PRICE & PERFORMANCE... for the LONG TERM

525 East Stop 18 Road Greenwood, IN 46142 317-887-6352 fax: 317-881-1277 web site: www.TempTek.com email: sales@TempTek.com

TEMPTEK

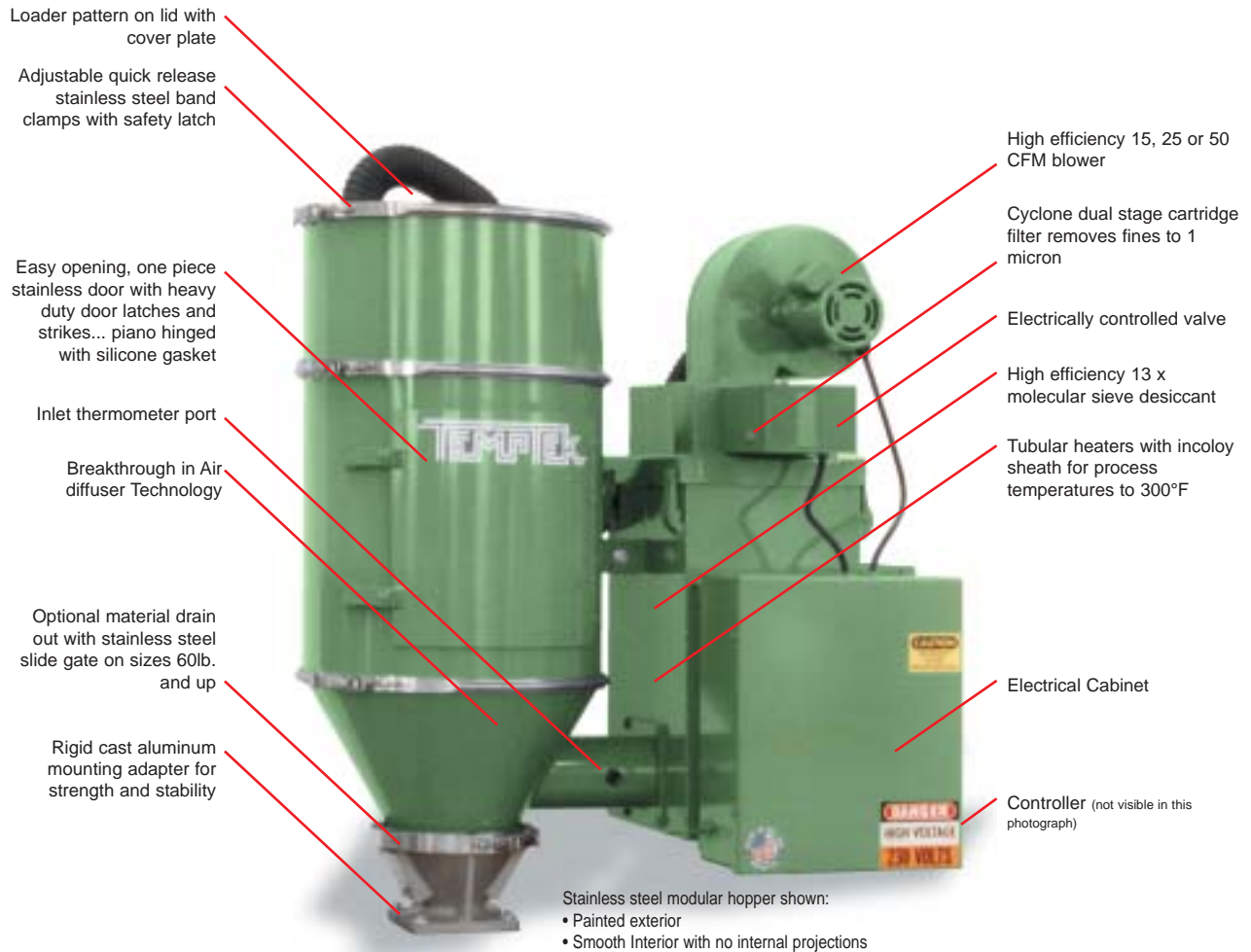
since 1989

SPECIFICATIONS

TD SERIES SPECIFICATIONS

| MODEL # | TD-15 | TD-25 | TD-25 | TD-25 | TD-25 | MODEL # | TD-50 | TD-50 | TD-50 | TD-100 |
|--------------------------|--------|--------|------------------|------------------|------------------|-----------------------------------------|--------|--------|--------|--------|
| VOLTAGE (1 phase , 60hz) | 115 | 115 | 208 | 230 | 460 | VOLTAGE (3 phase, 60hz) | 208 | 230 | 460 | |
| KVA | 1.6 | 2.2 | 2.2 | 2.2 | 2.2 | KVA | 11.2 | 11.2 | 11.2 | |
| TOTAL AMPERAGE | 13.9 | 19.1 | 10.6 | 9.6 | 4.8 | TOTAL CONNECTED AMPERAGE | 31.1 | 28.0 | 14.0 | |
| PROCESS HTR. AMPERAGE | 8.7 | 13.9 | 7.7 | 7.0 | 3.5 | PROCESS HEATER AMPERAGE | 22.1 | 20.0 | 10.0 | |
| REG. HTR. AMPERAGE (LB) | 4.3 | 4.3 | 2.4 | 2.2 | 1.1 | REGEN HEATER AMPERAGE (LB) | 4.8 | 4.2 | 2.2 | |
| REG. HTR. AMPERAGE (RB) | 4.3 | 4.3 | 2.4 | 2.2 | 1.1 | REGEN HEATER AMPERAGE (RB) | 4.8 | 4.2 | 2.2 | |
| MOTOR AMPERAGE | 0.8 | 0.8 | 0.8 ¹ | 0.8 ¹ | 0.8 ¹ | MOTOR AMPERAGE | 2.7 | 2.5 | 1.3 | |
| PROCESS HTR. WATTAGE | 1000 | 1600 | 1600 | 1600 | 1600 | PROCESS HEATER WATTAGE | 4600 | 4600 | 4600 | |
| REG. HTR. WATTAGE (LB) | 500 | 500 | 500 | 500 | 500 | REGEN HEATER WATTAGE (LB) | 1000 | 1000 | 1000 | |
| REG. HTR. WATTAGE (RB) | 500 | 500 | 500 | 500 | 500 | REGEN HEATER WATTAGE (RB) | 1000 | 1000 | 1000 | |
| BLOWER HORSEPOWER | 1/20 | 1/20 | 1/20 | 1/20 | 1/20 | BLOWER HORSEPOWER | 3/4 | 3/4 | 3/4 | |
| ADSORPTION CFM (TYPICAL) | 15 | 25 | 25 | 25 | 25 | ADSORPTION CFM (TYPICAL) | 50 | 50 | 50 | |
| DONALDSON FILTER SIZE | 5 1/4" | 5 1/4" | 5 1/4" | 5 1/4" | 5 1/4" | FILTER SIZE (DONALDSON, CYLONIC DESIGN) | 5 1/4" | 5 1/4" | 5 1/4" | |
| LBS DESICCANT PER BED | 7 | 10 | 10 | 10 | 10 | LBS DESICCANT PER BED | 20 | 20 | 20 | |
| DESICCANT TYPE | 13X | 13X | 13X | 13X | 13X | DESICCANT TYPE | 13X | 13X | 13X | |
| CYCLE TIME PER BED | 4 HRS | 4 HRS | 4 HRS | 4 HRS | 4 HRS | CYCLE TIME PER BED | 4 HRS | 4 HRS | 4HRS | |
| PROCESS AIR DUCT SIZE | 2" | 2" | 2" | 2" | 2" | PROCESS AIR DUCT SIZE | 2" | 2" | 2" | |
| OUTLET AIR TEMP (MAX) | 300°F | 300°F | 300°F | 300°F | 300°F | OUTLET AIR TEMPERATURE (MAX) | 400°F | 400°F | 400°F | |
| OUTLET DEWPOINT | - 40° | - 40° | - 40° | - 40° | - 40° | OUTLET DEWPOINT | -40°F | -40°F | -40°F | |
| HOPPER SIZES (LBS) | 60 | 100 | 100 | 100 | 100 | HOPPER SIZES (LBS) | 200 | 200 | 200 | |
| SHIPPING WEIGHTS (LBS) | 350 | 350 | 350 | 350 | 350 | SHIPPING WEIGHTS (LBS) | 550 | 550 | 550 | |

1. Listed amperage at 115v



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