



# MODEL P-161 DEHUMIDIFYING HOPPER DRYER

## -FEATURES and SPECIFICATIONS-

- Digital temperature controller with **LED** readout provides state of the art **PID** control (No temperature guessing)
- Maximum temperature of 450°F
- Dual readout shows both set point and actual temperature simultaneously via a T.C. in the exhaust stack
- Recessed control box built into unit
- Blower switch interlock (fan must be running before heat can be turned on)
- Continuous dry air
- Overheat safety switch shuts off heat if temperature rises beyond 450°F.
- Fuse protected internal wiring
- Internal control box with heavy duty controls
- Pressurized heating chamber, baffled to balance air which keeps heat coils from overheating
- Fast heat, high blower power - one unit can often service two presses
- Portable, compact, mounted on sturdy 3" steel casters
- Easy service accessibility, panels remove easily
- Washable intake filter
- Minimum upkeep - no lubrication required
- Separate control switches - can be used without dehumidifier in dry weather to reduce operating costs
- Simple - efficient - low cost  
Power Consumption  
230 Volt 3 phase, 35 Amps  
460 Volt 3 phase, 20.7 Amps
- Dimension: 51" high x 18" wide x 40" deep cabinet
- Drying capacity: Up to 300 pounds per hour (depending on material type, moisture content, ambient air temperature and humidity)
- Condensate drain 12" from floor with 9" long 1/4" drain hose
- Standard 2" hose outlet connection
- Heating element: open nichrome coil 7.5KW
- Blower motor: 1hp 3450rpm, ball bearing, direct drive fan
- Minimum of 4" mineral wool heating chamber insulation, rated over 1000°F
- Blower capacity:  
810 CFM @ 1" static pressure  
370 CFM @ 6" static pressure
- Dehumidifier: 1/2hp 230/60/1, heavy duty commercial refrigeration type built for continuous service **5280 BTU/HR @ 30°F** suction temperature, with separate condenser and fan motor, 45°F average air output.
- 120 Volt controls, OSHA approved

## PLASTIC MATERIAL DRYING CHART

MATERIAL CODE	MATERIAL DESCRIPTION	AVERAGE MOLDING TEMPERATURE F°	Hy=hygroscopic NON=non-hygroscopic	DRYING TEMPERATURE
ABS	acrylonitrile-butadiene-styrene	500°F	Hy	175°F
ABS(FR)	acrylonitrile-butadiene-styrene/flame resistant	480°F	Hy	180°F
AC	acetal copolymer homopolymer	410°F	NON	185°F
PBMA	acrylic resin	470°F	Hy	175°F
CA	cellulose acetate	460°F	Hy	170°F
CAB	cellulose acetate butyrate	420°F	Hy	150°F
PCTFE	polychlorotrifluoroethylene	550°F	Hy	230°F
PPO-PS	modified polyphenylene oxide	570°F	NON	180°F
PA 6/12	polyamide (nylon) 6/12	500°F	Hy	175°F
PA 6/6	polyamide (nylon) 6/6	530°F	Hy	175°F
PC	polycarbonate	560°F	Hy	250°F
PET	thermoplastic polyester	575°F	Hy	220°F
PBT	thermoplastic polyester	490°F	Hy	180°F
PE	polyethylene	275°F	NON	180°F
PPS	polyphenylene sulfide	625°F	NON	180°F
PP	polypropylene	475°F	NON	180°F
PSF	polysulfone	690°F	Hy	325°F
PS	polystyrene	410°F	NON	180°F
PU	polyurethane	400°F	Hy	200°F
SAN	styrene-acrylonitrile	475°F	Hy	200°F
PVC	polyvinyl chloride	370°F	NON	180°F

HYGROSCOPIC: Capable of absorbing moisture from the atmosphere.



## PLASTIC PROCESS EQUIPMENT, INC.

8303 CORPORATE PARK DRIVE, MACEDONIA (Cleveland), OHIO 44056, USA

216-367-7000 • Toll Free: 800-321-0562 • Fax: 216-367-7022 • Order Fax: 800-223-8305

www.ppe.com • e-mail: sales@ppe.com

Toll Free: USA, Canada & Mexico

**800-362-0706**

**PPE WEST** 3615 Walnut Avenue, Chino, California 91710, USA  
909-627-8511 • 800-258-8877 • Fax: 909-627-8101

**PPE SOUTH** 11218 Challenger Avenue, Odessa, Florida 33556, USA  
727-834-8888 • 800-282-6783 • Fax: 727-834-8873