

TERMS AND CONDITIONS OF PURCHASE

I. Any provisions or conditions of Buyer's order which are in any way inconsistent with, or in addition to, Seller's terms and conditions shall not be binding on seller, and shall not be applicable, except with Seller's written consent. No changes in, modification of, or additions to the terms and conditions on the face or reverse side of this form shall be binding on Seller unless made in writing and signed by a representative of Seller duly authorized for that purpose.

2. WARRANTY

These products are sold by UNIVERSAL PHOTONICS INCORPORATED (UPI) under the warranty set forth in the following paragraph. Such warranty is extended only with respect to purchase of these products, as new merchandise, directly from UPI or from a UPI distributor representative, and is extended only to the first buyer thereof who purchases them other than for the purpose of sale.

UPI warrants that the merchandise sold by it will, upon shipment, be free of defects in workmanship or material. Should any failure to conform to the warranty become apparent during a period 6 months UPI shall, upon prompt written notice from the Buyer, correct such non-conformity by repair or replacement (F.O.B. factory) of the defective part or parts. Correction in the manner provided above shall constitute a fulfillment of all liability of UPI with respects the quality of the products. (See "Limitation of Liability" below.)

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES WHETHER WRITTEN, ORAL, STATUTORY, EXPRESS OR IMPLIED INCLUDING WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE.

The foregoing warranty does not extend to the following situations, and UPI has no responsibility in such situations.

- a) With respect to any product that the Buyer or its agents have failed to store, install, operate, inspect, or maintain in accordance with the Seller's recommendations.
- b) With respect to any variation in wattage, voltage, or phase unless the specific wattage, voltage, or phase desired by the Buyer has been specified to UPI by the Buyer in writing. In the case of such a written specification, wattage is guaranteed to a manufacturing tolerance of 5%.
- c) With respect to the performance of a heating system or process unless the heating system or process has been designed in its entirety by UPI
- d) With respect to a UPI melting tank built for the handling and melting of oils, plastics, and similar substances, where the tank has been used while unattended. Such tanks are designed for use only while attended by personnel and must be de-energized during periods of non-attention.

3. LIMITATION OF LIABILITY

Buyer's sole and exclusive remedy and UPI's sole and exclusive liability to Buyer hereunder is limited to repair or replacement, at UPI's option, of the products sold hereby and UPI's liability, whether based upon warranty, contract, tort or negligence, shall not in any case exceed the cost of correcting defects in the goods as herein provided.

UPI SHALL IN NO EVENT BE LIABLE IN CONTRACT OR IN TORT (INCLUDING NEGLIGENCE) FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, SUCH AS, BUT NOT LIMITED TO, LOSS OF PROFITS OR REVENUE, OR PROPERTY DAMAGE, OR ANY OTHER DAMAGES, COSTS OR EXPENSES WHICH MIGHT BE CLAIMED AS THE RESULT OF THE USE OF FAILURE OF THE GOODS SOLD HEREBY, EXCEPTING ONLY THE COST OR EXPENSE OF REPAIR OR REPLACEMENT AS ABOVE DESCRIBED.

UNIVERSAL PHOTONICS' extensive line of premium consumables and equipment bring the precision of semi-conductor technology to the optics industry.

Engineered to consistently deliver higher tolerances and yields, our products have been at the forefront of innovative polishing applications for more than eighty years.

UNIVERSAL PHOTONICS' specializes in total polishing systems, including polishes and pads. Our R&D people will work with you to develop a customized system for your unique application. All projects are treated with professional confidentiality.

For further technical information and sales inquiries, please contact your regional sales representative, or our friendly customer service at **800.645.7173** or **(001) 516.935.4000**.



DIP COAT POTS

- DIP COATING
- IMPREGNATING
- PRODUCTION MELTING
PITCHES, WAXES,
COMPOUNDS & GLUE



**UNIVERSAL PHOTONICS
INCORPORATED**

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**INSTALLATION & OPERATION
FOR ALL MS7 SERIES MODELS**

Our Dip Coating Pots have long been recognized as excellent performers for both short run and volume production of dip coating, impregnating and melting of pitch, wax, plastic coatings, compounds, and glue.

Fully operational on AC only, these pots efficiently maintain temperatures of 150°F (65°C) to 550°F (288°C).

Attractively styled and finished in black wrinkle enamel, they are equipped with a cover, pilot light, and adjustable, automatic thermostat.

FEATURES

- Requires little space
- Delivers even heat distribution
- Thermostatic control of the bimetal or hydraulic type eliminates carbonization
- Replaceable heating elements
- Cover safeguards contents while unit is not in use
- Versatile - Accessory equipment available to suit individual requirements
- Low Cost - Easily adapts to special requirements

TYPE	CAPACITY	WATTS	DIAMETER	DEPTH	DIAMETER	DEPTH	CONTROL	WEIGHT
			INSIDE APPROX. INCHES		OUTSIDE APPROX. INCHES			

ROUND DIP COATING POTS

INSTALLATION

Mount melting pot on suitable stand* or table* convenient to electric supply of the proper voltage and phase. Stand or table should be located at least three feet from combustibles. Some local codes may require vented hoods.

**CAUTION: High operating temperatures require melting pots be mounted on a STEEL table. If wood-top table is used, a HEAT RESISTIVE SLAB should be placed underneath the pot.*

Pots rated up to 1600 watts are equipped with a cord and plug for connection to proper receptacle.

Those rated over 2000 watts, 120 volts or more, must be permanently connected to electric supply using flexible or rigid conduit or similar heavy-duty equipment.

NOTE: Many local electrical codes require a fused safety switch or circuit breaker installed within sight of such a tank. This is normally provided by an electrician.

OPERATION

To operate, turn thermostat to suitable temperature and fill pot with material to be melted. Most tanks are designed to melt a full load in thirty to sixty-five minutes.

CAUTION: POTS MUST NOT BE OPERATED UNATTENDED

ACCESSORY EQUIPMENT

Optional accessory equipment and special size pots are available. Please call for product specifications and cost.

- Needle Dispensing Valves supply uniform quantities to meet production requirements
- Quick-Opening, Heat Ball Valves $\frac{1}{2}$ ", $\frac{3}{4}$ ", 1", $1\frac{1}{2}$ " & 2"

SERVICING: REPLACE HEATING ELEMENT

Melting tanks are constructed of a one-piece crucible, a sleeve-type jacket and removable base. All servicing is done by inverting the pot, loosening the studs, and removing the base.

NOTE: Applying penetrating oil to all screws and studs, then inserting screwdriver and tapping with the hammer prior to loosening avoids breakage.

Many units can be serviced from the bottom. On some models it is necessary to remove the jacket. This usually requires loosening the clamps, which hold the thermo bulb, before the jacket may be removed.

With the elements exposed and using a suitable tester, determine which elements are open-circuited.

NOTE: In replacing elements care must be taken that they are replaced and re-connected EXACTLY as they were installed. (In case of mica insulated clamp units, make sure the mica covers fully insulate all element wires and leads.)

After replacing all defective heaters reassemble side jacket and base and return equipment to operation.

SERVICING: REPLACE THERMOSTAT

If the thermostat is defective, remove and replace with the proper model.

Units with a bimetallic thermostat require only the removal of one screw to change.

Models with hydraulic thermostats must remove the thermostat housing cover and withdraw the bulb assembly.

- Do not put any sharp bends in the capillary
- Take care that it does not touch any of the "live" connections inside the tank
- See that the capillary is routed between the insulation, the base, and the wall of the jacket, away from "live" connec-