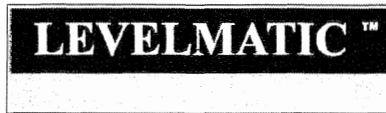




**ATLAS METAL INDUSTRIES, INC.**  
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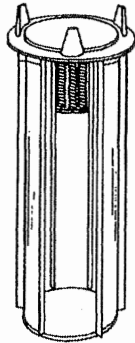


**DROP-IN PLATE DISPENSERS**

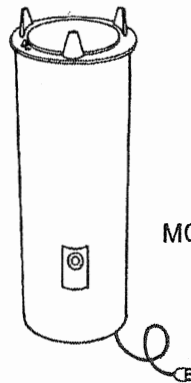
- MODEL PD- Unheated Drop-In Open Tube
- MODEL PDS - Unheated Drop-In Shielded Tube
- MODEL PDH - Heated Drop-In Shielded Tube

**SELF-LEVELING DISPENSERS**

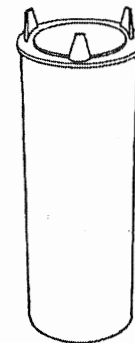
**OPERATION, INSTALLATION AND MAINTENANCE MANUAL**



MODEL PD



MODEL PDH



MODEL PDS



**WARNING: READ INSTRUCTIONS COMPLETELY BEFORE OPERATION, INSTALLATION AND MAINTENANCE OF YOUR DISPENSER.**

**NOTE: EACH SECTION OF THIS MANUAL IS PRECEDED BY A "WARNING" WHICH INDICATES SOME EXTRA PRECAUTIONS THAT MUST BE TAKEN IN THE OPERATION, INSTALLATION & MAINTENANCE OF YOUR DISPENSER.**

**WARNING: INSPECT DISPENSER CAREFULLY FOR MECHANICAL OR ELECTRICAL DAMAGE.**

The PD-Series is shipped with springs preset for the average plate, however, if further adjustments are required, the dispenser is equipped with three different groups of springs that allow fine tuning of your dispensing levels. The springs are coded as follows:

- "Heavyweight" largest diameter (silver)
- "Mediumweight" smaller diameter (black)
- "Lightweight" smaller diameter (silver) "fine tuning"

When adjusting springs, always completely disengage unused springs and place in spring storage area. To achieve a smoothly operating dispenser, try to use the same number of springs per section.

**WARNING: NEVER REMOVE SPRINGS WHEN EXTENDED:**

- (1) Personal injury can result if spring fully disengages from dispenser.
- (2) Damage to the spring can result.

**OPERATION/SPRING ADJUSTMENT:**

To begin for models PDS and PDH, remove outer sleeve before adjusting. Stand dispenser on floor, protecting power cord from damage, and begin loading plates. Load plates one at a time to determine comfortable dispensing height. For dispensing, TOP PLATES WHEN LOADED SHOULD BE ABOVE THE TOP FLANGE, BUT NOT HIGHER THAN THE GUIDE POSTS. After several plates have been loaded into the dispenser, a visual check can determine if dispensing height is correct.

- (a) if dispensing level remains at a constant height above the top flange, and not higher than the guide posts, when plates are loaded dispenser requires no further adjustment.
- (b) if dispensing level rises above the guide posts, when plates are loaded, adjustment is required. Begin to remove one of the same type of spring from each section to lower dispensing level to correct height.
- (c) if dispensing level drops below the top flange when plates are loaded, again adjustment is required. Begin to add springs, one per section, from spares provided with dispenser.

## **DROP-IN PLATE DISPENSERS**

MODEL PD-	Unheated Drop-In Open Tube
MODEL PDS -	Unheated Drop-In Shielded Tube
MODEL PDH -	Heated Drop-In Shielded Tube

## **OPERATION/INFORMATION**

### **INSTALLATION:**

The PD-Series shall be self supporting, using a formed stainless steel flange welded to the support structure and bottom plate. This dispenser is designed to drop into a counter cut-out (see pg.#4)

### **WARNING: NOTE FOLLOWING PRECAUTIONS WHEN INSTALLING**

NOW THAT SPRING ADJUSTMENTS ARE COMPLETE, REMOVE PLATES AND...

- (1) verify height and diameter clearance where dispenser is to be installed to avoid damage to the power cord (see pg. # 4).
- (2) verify that a properly grounded electrical circuit is provided with correct voltage and amperage rating (see rating label).
- (3) install dispenser in accordance with national and local electrical codes.

### **OPERATION/ADJUSTMENT:**

If plates in your dispenser appear to "STICK" in a down position, normally this is not the result of weak springs, but a mechanical problem caused by one of the following.

- (1) plates are binding or catching due to incorrect size of plates.
- (2) foreign object(s) in dispenser causing it to "STICK".
- (3) dispenser has been incorrectly assembled after cleaning.

**WARNING: DO NOT PLACE HAND(S) IN THE DISPENSER TO "UN-STICK" AS PRESSURE COULD SUDDENLY RELEASE CAUSING INJURY.**

**USE THE FOLLOWING PROCEDURE TO "UN-STICK" DISPENSER.**

**NOTE: HEATED MODELS, TURN POWER SWITCH TO OFF POSITION AND DISCONNECT FROM ELECTRICAL SOURCE.**

- (1) Carefully reload plates to relieve upward spring tension.
- (2) Dispenser must be removed from counter.
- (3) With load secured, use a tool to inspect dispenser to determine the cause of the problem and to correct it.
- (4) Carefully unload dispenser to check for smooth operation, and inspect thoroughly.
- (5) If further repairs are required, disengage all springs to avoid personal injury and/or damage to springs.

### **WARNING: CLEANING INSTRUCTIONS.**

#### **HEATED MODELS:**

TURN POWER SWITCH TO OFF POSITION.

ALLOW ADEQUATE COOL DOWN TIME BEFORE CLEANING.

DO NOT EXPOSE ELECTRICAL COMPONENTS TO MOISTURE.

DO NOT IMMERSE DISPENSER IN WATER.

TO CLEAN, WIPE DISPENSER THOROUGHLY WITH DAMP CLOTH AND MILD SOAP SUITABLE FOR FOOD CONTACT ZONES. NO ABRASIVES.

## DROP-IN PLATE DISPENSERS

MODEL PD-	Unheated Drop-In Open Tube
MODEL PDS -	Unheated Drop-In Shielded Tube
MODEL PDH -	Heated Drop-In Shielded Tube

## GENERAL INFORMATION

### TROUBLE SHOOTING:

#### MECHANICAL:

plates high-low See spring adjustment.  
plates "STICKING" See operation adjustment.

#### ELECTRICAL:

high/low heat adjust thermostat  
no heat verify correct voltage at power source  
verify power switch in on position  
verify circuit breaker in on position

IF THE PROBLEM PERSISTS AFTER TROUBLE SHOOTING:

**PUT DISPENSER OUT OF SERVICE. CALL FACTORY FOR SERVICE AUTHORIZATION. USE LICENSED QUALIFIED SERVICE PERSONNEL ONLY!**

### PARTS LIST

DESCRIPTION	PART #	DESCRIPTION	PART #
ON-OFF SWITCH	117-1	DISPENSER HEADS	
SWITCH COVER	117-2	PD-5	LM2964-A02
THERMOSTAT	2047	PD-5 3/4	LM2965-A02
IND. LIGHT	1100-3	PD-6 1/2	LM2966-A02
CORD SET	1006-3	PD-7 1/4	LM2967-A02
PLATE GUIDE	119-0001	PD-8 1/8	LM2968-A02
SPRING "HEAVY"	103-0932	PD-9 1/8 - silver	LM2969-A02
SPRING "MEDIUM"	103-0930	PD-10 1/8 - black	LM2970-A02
SPRING "LIGHT"	103-0931	PD-12 - silver	LM2972-A02
HEATING ELEMENT	(120v)		
PDH-5	111-1211	PDH-8 1/8	111-1215
PDH-5 3/4	111-1212	PDH-9 1/8	111-1044
PDH-6 1/2	111-1213	PDH-10 1/8	111-1216
PDH-7 1/4	111-1214	PDH-12	12-1217

## SPECIFICATIONS

### MODEL PD (Unheated Drop-In Open Tube)

All plate dispensers shall be self-leveling, drop-in as manufactured by ATLAS METAL INDUSTRIES INC. The basic unit shall be constructed of 300 series stainless steel. The counter top flange has three high impact molded plastic guide posts to keep plate properly aligned. Self-leveling spring mechanism is easy to field adjust to accommodate different weights of plates. A combination of extension springs will be provided for field adjusting to the required self-leveling height. The drop-in plate dispenser shall be self-supporting using a formed stainless steel top flange welded to the vertical channels and bottom disc. A stainless steel platform will be suspended from the extension springs and will support the stack of plates to be dispensed.

### MODEL PDS (Unheated Drop-In Shielded Tube)

Same specifications as PD-- with an additional outer stainless steel shield which covers the vertical channel guides and spring mechanism.

### MODEL PDH (Heated Drop-In Shielded Tube)

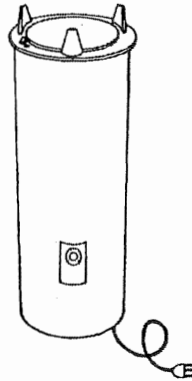
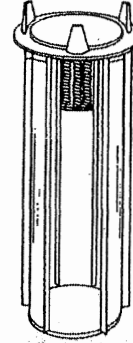
Same specifications as PD and PDS with the addition of a heating element mounted in the base and an adjustable thermostat located in a vertical side channel. A pilot light and on/off switch is located in the top flange. A six foot, 3-wire cordset is (NEMA) 5-15p for 120V dispensers.

## DROP-IN PLATE DISPENSERS

MODEL PD- Unheated Drop-In Open Tube  
 MODEL PDS - Unheated Drop-In Shielded Tube  
 MODEL PDH - Heated Drop-In Shielded Tube

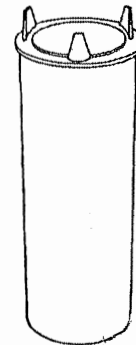
## SPECIFICATIONS

UNHEATED DROP-IN OPEN TUBE				
MODEL NO.	MAX PLATE SIZE	OUTSIDE FLANGE DIA.	CUT-OUT DIA.	SHIPPING WEIGHT LBS.
PD-5	5"	8-3/8"	7-3/4"	10 lbs.
PD-5-3/4	5-3/4"	9-1/8"	8-1/2"	11 lbs.
PD-6-1/2	6-1/2"	9-7/8"	9-1/4"	12 lbs.
PD-7-1/4	7-1/4"	10-5/8"	10"	14 lbs.
PD-8-1/8	8-1/8"	11-1/2"	10-7/8"	15 lbs.
PD-9-1/8	9-1/8"	12-1/2"	11-7/8"	17 lbs.
PD-10-1/8	10-1/8"	13-1/2"	12-7/8"	19 lbs.
PD-12	12"	15-3/8"	14-3/4"	22 lbs.



UNHEATED DROP-IN SHIELDED TUBE				
MODEL NO.	MAX PLATE SIZE	OUTSIDE FLANGE DIA.	CUT-OUT DIA.	SHIPPING WEIGHT LBS.
PD-5	5"	8-3/8"	7-3/4"	15 lbs.
PDS-5-3/4	5-3/4"	9-1/8"	8-1/2"	17 lbs.
PDS-6-1/2	6-1/2"	9-7/8"	9-1/4"	18 lbs.
PDS-7-1/4	7-1/4"	10-5/8"	10"	20 lbs.
PDS-8-1/8	8-1/8"	11-1/2"	10-7/8"	22 lbs.
PDS-9-1/8	9-1/8"	12-1/2"	11-7/8"	24 lbs.
PDS-10-1/8	10-1/8"	13-1/2"	12-7/8"	27 lbs.
PDS-12	12"	15-3/8"	14-3/4"	31 lbs.

HEATED DROP-IN SHIELDED TUBE						
MODEL NO.	ELEC @ 120V IPH		MAX PLATE SIZE	OUTSIDE FLANGE DIA.	CUT-OUT DIA.	SHIPPING WEIGHT LBS.
	WATTS	AMPS				
PDH-5	210	1.7	5"	8-3/8"	7-3/4"	18 lbs.
PDH-5-3/4	240	2.0	5-3/4"	9-1/8"	8-1/2"	20 lbs.
PDH-6-1/2	270	2.2	6-1/2"	9-7/8"	9-1/4"	22 lbs.
PDH-7-1/4	300	2.5	7-1/4"	10-5/8"	10"	24 lbs.
PDH-8-1/8	330	2.7	8-1/8"	11-1/2"	10-7/8"	26 lbs.
PDH-9-1/8	380	3.1	9-1/8"	12-1/2"	11-7/8"	28 lbs.
PDH-10-1/8	420	3.5	10-1/8"	13-1/2"	12-7/8"	31 lbs.
PDH-12	500	4.1	12"	15-3/8"	14-3/4"	35 lbs.



## HEATED DISPENSERS

The PDH model heating system has 120V single phase heating capacity, 208V and 240V when specified. The components are a push button on-off switch, indicator light, and adjustable thermostat. The six foot, 3-wire cordset is NEMA 5-15P for 120V dispensers. The dispenser is enclosed with a 24 gauge stainless steel sleeve.

## WIRING DIAGRAM

