

PP300 SERIES PRESSURE DISPENSER

OPERATING MANUAL



PP300-A (ACRYLIC RESERVOIR)
PP300-GL-A (GLASS RESERVOIR)
700PTPCW (PINCH TUBE PEN) – optional
710PTPNM (PINCH TUBE VALVE) – optional



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TABLE OF CONTENTS

Section	Description	Page Number
1	CAUTIONS AND WARNINGS.....	1
2	INTRODUCTION.....	2
3	DESCRIPTION.....	2 & 3
4	SET UP AND INSTALLATION - PRESSURE DISPENSER.....	9
4.1	DESCRIPTION - 700PTPCW PINCH TUBE PEN (OPTION).....	10
4.2	INSTALLATION - 700PTPCW PINCH TUBE PEN (OPTION).....	10
4.3	DESCRIPTION - 710PTPNM PINCH TUBE VALVE (OPTION).....	12
4.4	INSTALLATION - 710PTPNM PINCH TUBE VALVE (OPTION).....	14
5	ADHESIVE SUPPLY REPLACEMENT.....	15
6	CLEANING INSTRUCTIONS - DISPENSER.....	16
6.1	CLEANING/REPAIR - 700PTPCW PINCH TUBE PEN.....	17
6.2	CLEANING/REPAIR - 710PTNM PINCH TUBE VALVE.....	19
7	WARRANTY.....	20

1.0 CAUTIONS AND WARNINGS

CAUTIONS:

- 30 PSI (2 BAR) MAX. PRESSURE.
- EYE PROTECTION REQUIRED.
- DO NOT ATTEMPT TO OPEN LID UNTIL INTERNAL AIR PRESSURE IS RELEASED.
- LID KNOB MUST BE HAND TIGHTENED ONLY.

WARNINGS:

READ THE MATERIAL SAFETY DATA SHEETS FOR SPECIAL PRECUTIONS FOR THE SPECIFIC MATERIAL BEING DISPENSED. WEAR PROTECTIVE SAFETY EQUIPMENT AS SPECIFIED IN THE MATERIAL SAFETY DATA SHEETS.

CHECK WITH FACTORY IF UNSURE ABOUT DISPENSING MATERIALS OTHER THAN CYANOACRYLATE.

CYANOACRYLATE ADHESIVES ARE SEVERE EYE IRRITANTS AND SKIN BONDERS. IMMEDIATE BONDING OF EYES, SKIN OR MOUTH MAY OCCUR UPON CONTACT. THESE ADHESIVES MAY CAUSE PERMANENT EYE DAMAGE.

AVOID EYE, MOUTH AND SKIN CONTACT. USE FULL COVER SAFETY GLASSES. AVOID BREATHING ADHESIVE VAPORS. PROVIDE ADEQUATE VENTILATION.

IF EYE BECOMES BONDED, IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND CALL A PHYSICIAN. IF THE EYE IS STUCK SHUT, DO NOT FORCE IT OPEN.

IF SKIN IS BONDED, QUICKLY SOAK IN WARM WATER. DO NOT USE EXCESSIVE FORCE TO FREE BONDED AREA.

WHEN USING FLAMMABLE SOLVENTS, EXTINGUISH ALL SOURCES OF IGNITION IN THE IMMEDIATE WORK AREA AND OBSERVE PROPER PRECAUTIONARY MEASURES FOR HANDLING THE MATERIAL.

NOTE: IN ADDITION TO THE ABOVE WARNINGS, MORE CAUTIONARY WARNING NOTES WILL BE FOUND IN OTHER SECTIONS OF THIS MANUAL WHERE APPLICABLE.

2.0 INTRODUCTION

The PP300-A PRESSURE DISPENSER offers a convenient, easy to use system for dispensing cyanoacrylates, as well as many solvents, lubricants and other low viscosity materials. Loosen Clamp Knob, swing Lid open, place container of materials to be dispensed, connect Dip Tube, close Lid, pressurize chamber and begin dispensing. The simplicity and reliability of the PP300-A PRESSURE DISPENSER'S design provides for exceptional performance, minimum maintenance, and easy repair.

SPECIFICATIONS:

SIZE:	6 x 6 x 10 inches (15.3 x 15.3 x 25.4 cm)
WEIGHT:	9 lbs. (4.1 kg)
MAX OPERATING PRESSURE:	30 psi. (2 bar)

FEATURES:

- No Tubes through Hinged Lid
- See through Reservoir for material monitoring (Cast Acrylic Reservoir offered as standard, Glass Reservoir available).
- One hand opens and closes Fixed lid.
- Easy to replace, disposable Dip Tube and Dispense Lines.
- Optional integrated on-off Valve assembly available.
- Optional Valve Controller available
- Accepts standard one pound cyanoacrylate bottles.

3.0 DESCRIPTION

The PP300-A PRESSURE DISPENSER enables dispensing of low viscosity materials directly from one-pound bottles. Air pressure forces the material from the bottle in the dispensers see through pressure chamber and through a disposable supply line into an optional 700PTPCW PINCH TUBE PEN or 710PTPNM PINCH VALVE assembly. The material flow rate is controlled by an Air Pressure Regulator on the Dispenser Base. The quantity is controlled by the Pinch Valve in the optional Pen or On-Off Valve assembly.

WARNING:

Cyanoacrylate Adhesives are severe eye irritants and skin bonders. Immediate bonding of eyes, skin or mouth may occur upon contact. These Adhesives may cause permanent eye damage.

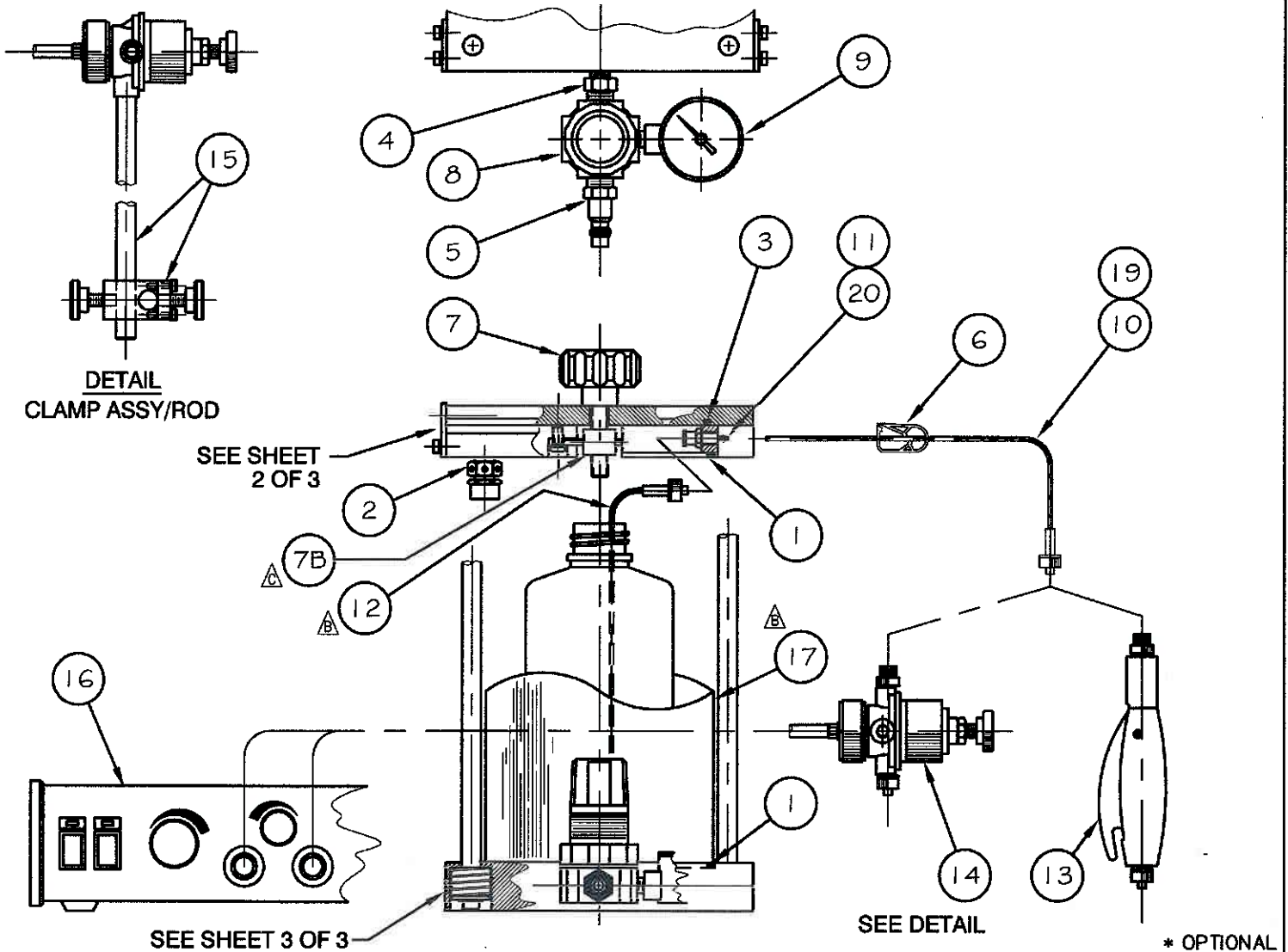
Read the material safety data sheets for special precautions for the specific material being dispensed. Wear protective safety equipment as specified in the material safety data sheets.

REVISION

A	APRIL 15, 1999
B	APRIL 21, 1999
C	JUNE 03, 1999

PRODUCT
 DESCRIPTION

PP300-A PRESSURE DISPENSER



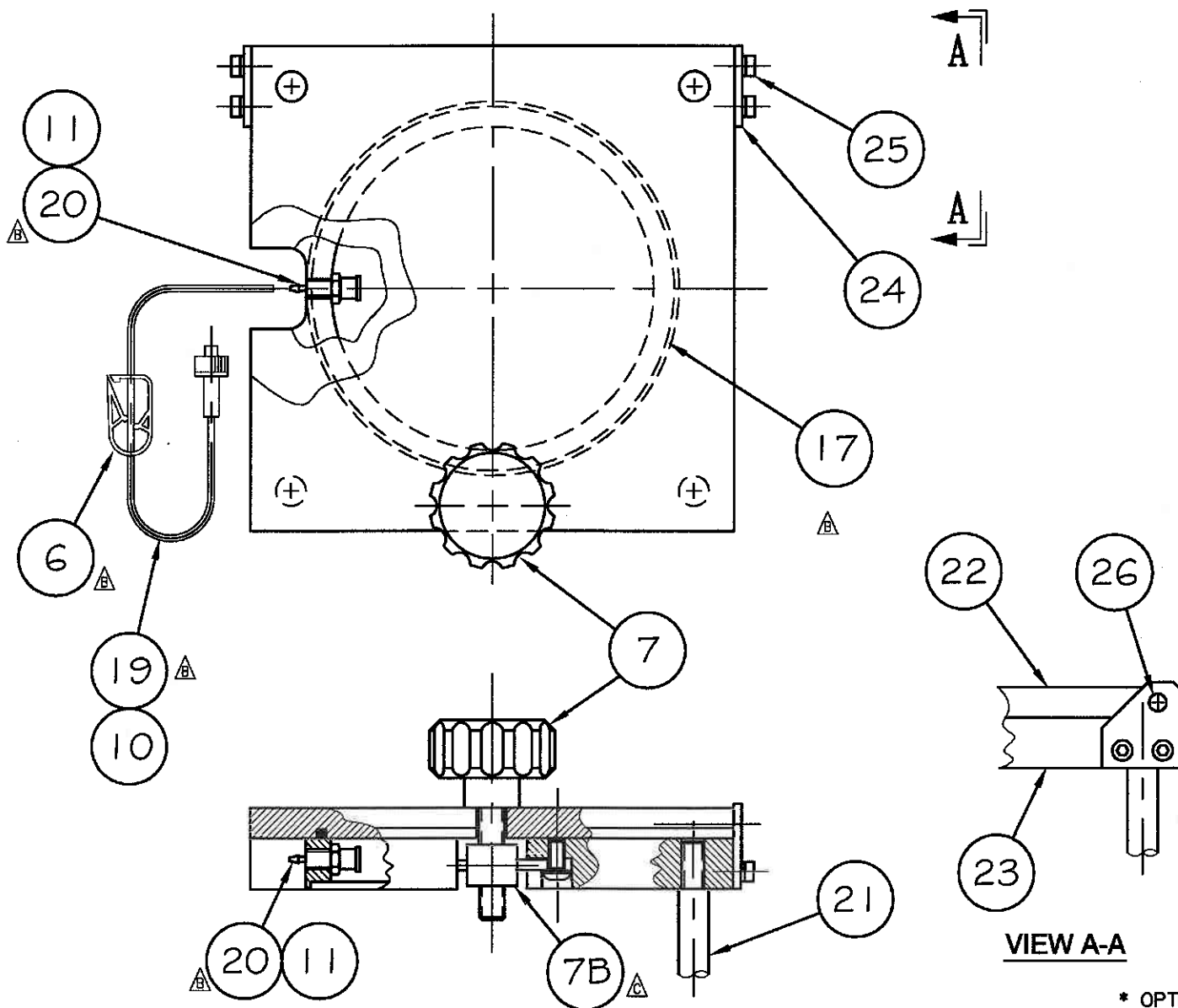
NO.	PART NUMBER	DESCRIPTION	QTY.	NO.	PART NUMBER	DESCRIPTION	QTY.
10	560607	DISPENSE TUBE (0.07 I.D.)	1	21			
9	560611	GAUGE	1	20	560610	LUER FITTING (0.10 I.D.)	*
8	560571	REGULATOR	1	19	560608	DISPENSE TUBE (0.10 I.D.)	*
7B	560612B	BUSHING	1	16	560618	RESERVOIR (Glass)	*
7	560612	KNOB ASSY.	1	17	560619	RESERVOIR (Acrylic)	1
6	560613	CLAMP TUBE	1	16	--	DISPENSER	*
5	580108	AIR COUPLING	1	15	560605/560606	CLAMP ASSY./ROD	*
4	560614	REDUCER NIPPLE	1	14	710PT	VALVE ASSY.	*
3	560615	O-RING	1	13	700PTP	DISPENSING PEN	*
2	560616	VALVE, RELIEF	1	12	560620	DIP TUBE	2
1	560792	FLAT SEAL	2	11	560609	LUER FITTING (0.07 I.D.)	1

PRODUCT
 DESCRIPTION

PP300-A PRESSURE DISPENSER

REVISION

A	APRIL 15, 1999
B	APRIL 21, 1999
C	JUNE 03, 1999
D	JULY 13, 2000



* OPTIONAL

NO.	PART NUMBER	DESCRIPTION	QTY.	NO.	PART NUMBER	DESCRIPTION	QTY.
18	560618	RESERVOIR (Glass) [△]	*	26	561586	PIN FOR BRACKET [△]	2
	560619	RESERVOIR (Acrylic)	1	25	561585	ALLEN SCREW FOR BRKT. [△]	4
12	560620	DIP TUBE [△]	2	24	561584	BRACKET FOR TOP SQ. PLATE	2
11	560609	LUER FITTING (0.07 I.D.)	1	23	561583	TOP SQUARE PLATE - THICK	1
10	[△] 560607	DISPENSE TUBE (0.07 I.D.)	1	22	561582	TOP SQUARE PLATE - THIN	1
7B	[△] 560612B	BUSHING	1	21	561577	POST	4
7	560612	KNOB ASSEMBLY	1	20	[△] 560610	LUER FITTING (0.10 I.D.)	*
6	[△] 560613	CLAMP TUBE	1	19	[△] 560608	DISPENSE TUBE (0.10 I.D.)	*

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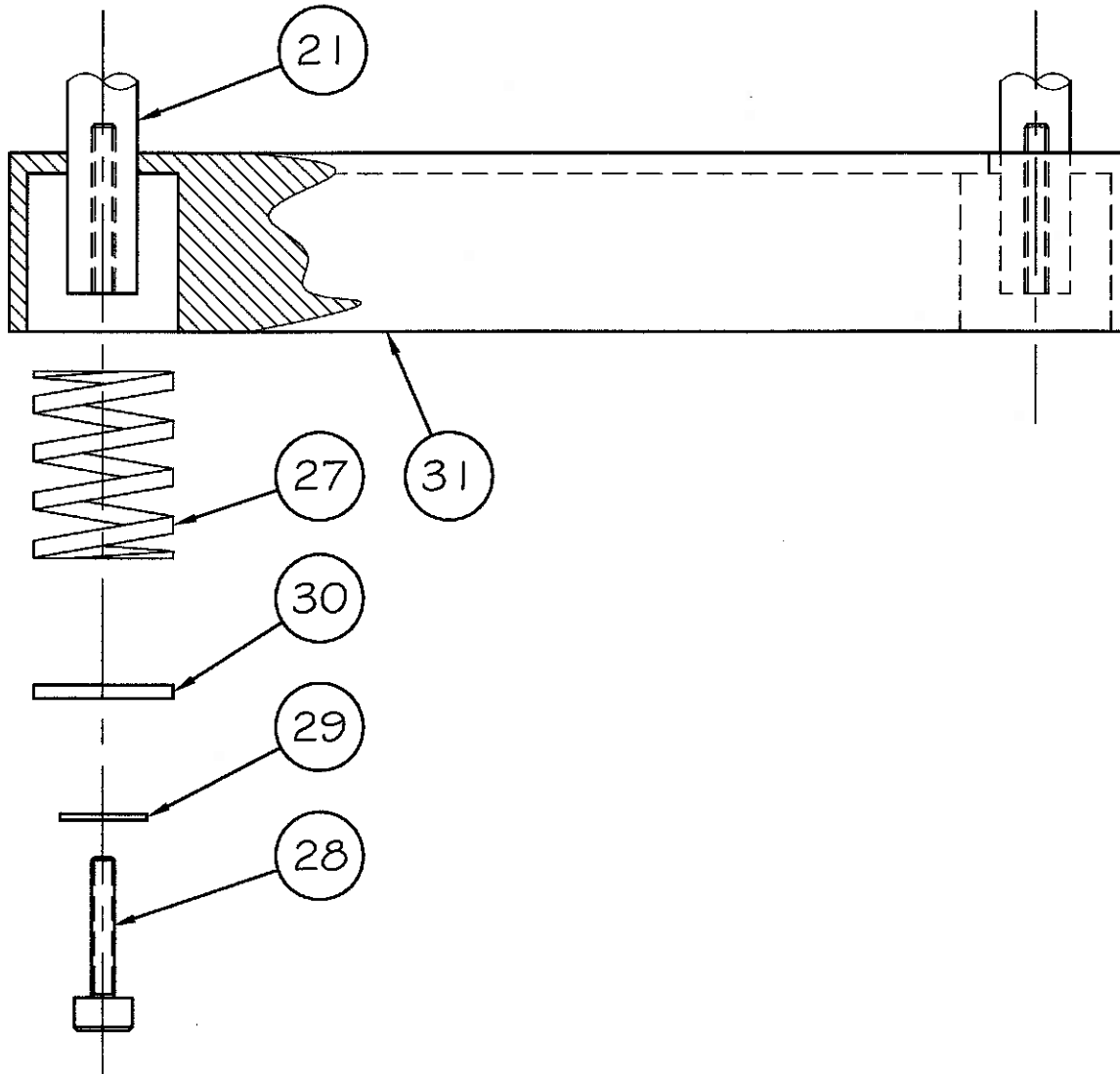
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REVISION

A	APRIL 15, 1999
B	APRIL 21, 1999

PRODUCT
 DESCRIPTION

PP300-A PRESSURE DISPENSER



NO.	PART NUMBER	DESCRIPTION	QTY.	NO.	PART NUMBER	DESCRIPTION	QTY.
29	561580	WASHER (1/2" O.D.)	4	-			
28	561579	ALLEN SCREW (3/4" LONG, 1/8" DIA.)	4	31	561581	BOTTOM SQUARE PLATE (6" X 6")	1
27	561578	FLAT SPRING (1" LONG, 3/4" DIA.)	4	30	561741	WASHER (5/16" O.D.)	4
DRAWN BY: G.O. BEUTEL		DATE DRAWN: 3/15/99		FILE NAME:		\pp300ts03a.dwg	

4.0 SETUP AND INSTALLATION

1. Remove pressure dispenser from shipping container and inspect for damage. Refer to users manual Section 7.0 for Warranty Data. Install preassembled Regulator (3) on Rear Base.

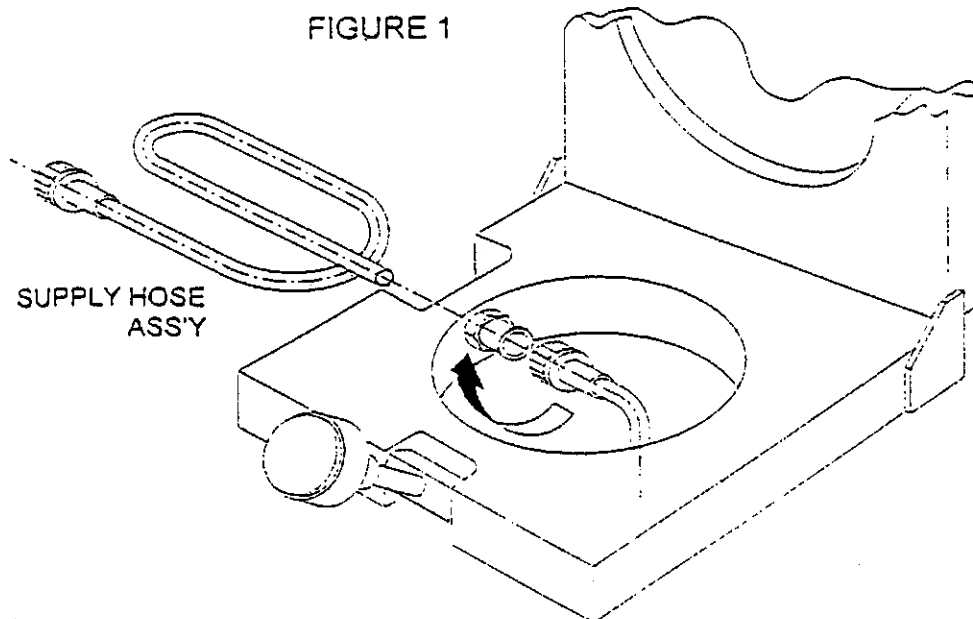
CAUTION:

Plant air supply should be dried, filtered air with pressure not to exceed 100 psi. If plant air is not dry and filtered, an I&J Fisnar Inc. 5 micron Air Filter p/n 530101 or equivalent must be used to meet warranty requirements. Install Filter if required, as close to supply outlet as possible.

2. Insure Pressure Regulator (8) is off (set at zero), turn Knob counter clockwise until it stops.
3. Attach Air Hose from filtered source (see Caution above) to Male Quick Connect Air Inlet Fitting (5) on Regulator at Base of Dispenser.
4. Insert dispense Tube (10) onto Barbed end of Luer Fitting (11) on top side of Dispenser. (refer to figure 1). Insure Tube (10) is covering fitting.

CAUTION: Never pour Adhesives or other materials directly into Dispenser. Use Adhesive Bottle or similar containment vessel.

5. Remove Cap and Dip Tube supplied with new Dispenser, insert Tube into Bottle. Discard Tube and Cap (may be saved for future resealing of bottle) (see Section 6.0 Cleaning).
6. Using Dip Tube (12) supplied with Dispenser, insert Tube into Bottle and place Bottle into Reservoir of Dispenser, attach Luer Lock Fitting (refer to Fig. 1). When tightening Luer Fitting (12), support Tube to allow for twisting to be absorbed in fingers and not allow Tube to flail out of Bottle.

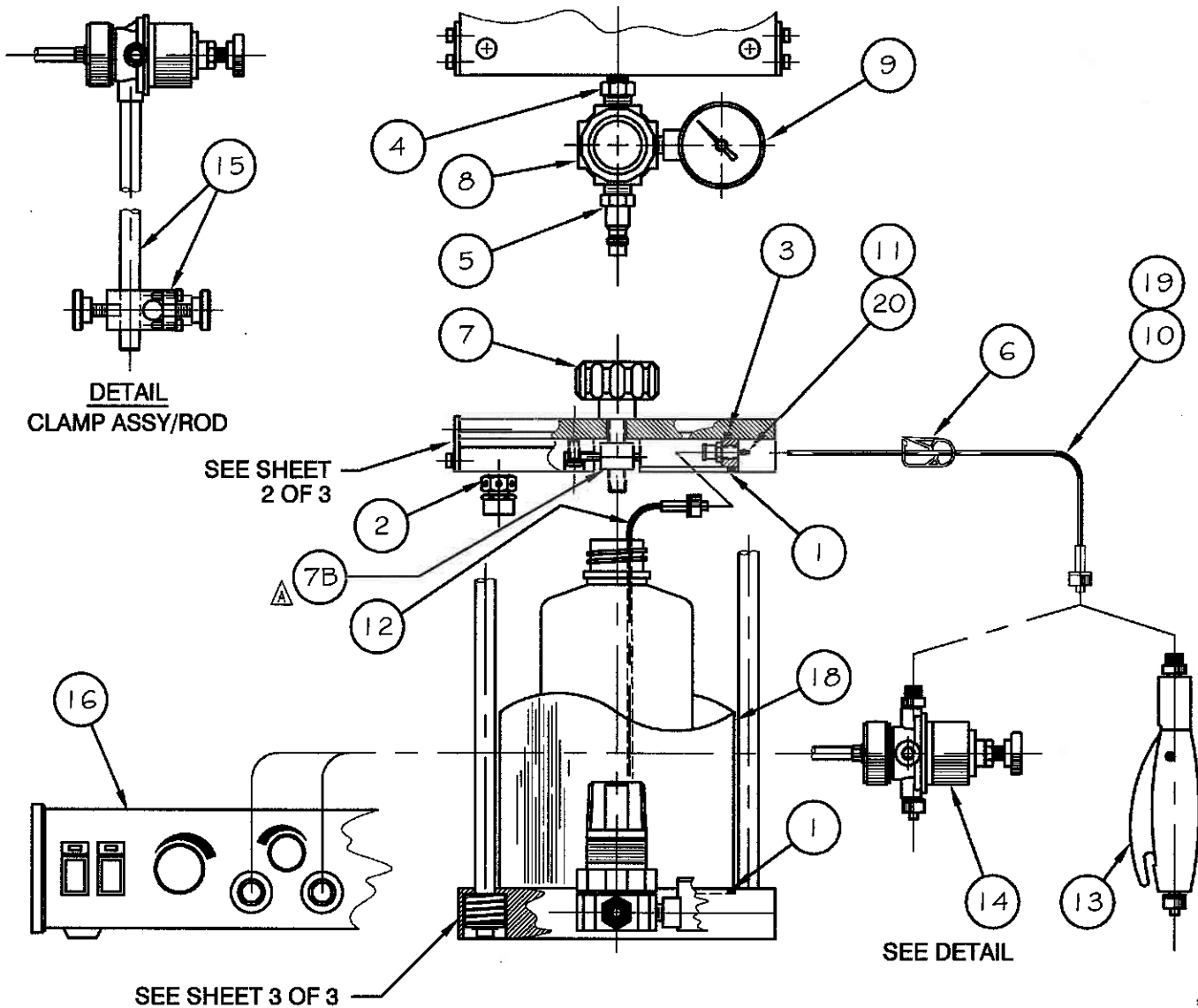


7. Close Lid, swing Knob Assembly (7) up to vertical position and hand tighten Knob firmly.

NOTE: Dispensing Tube must be attached to dispensing option (i.e. Pen or Pinch Tube Valve) before pressure is applied to Dispenser.

PRODUCT
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PP300-GL-A PRESSURE DISPENSER



* OPTIONAL

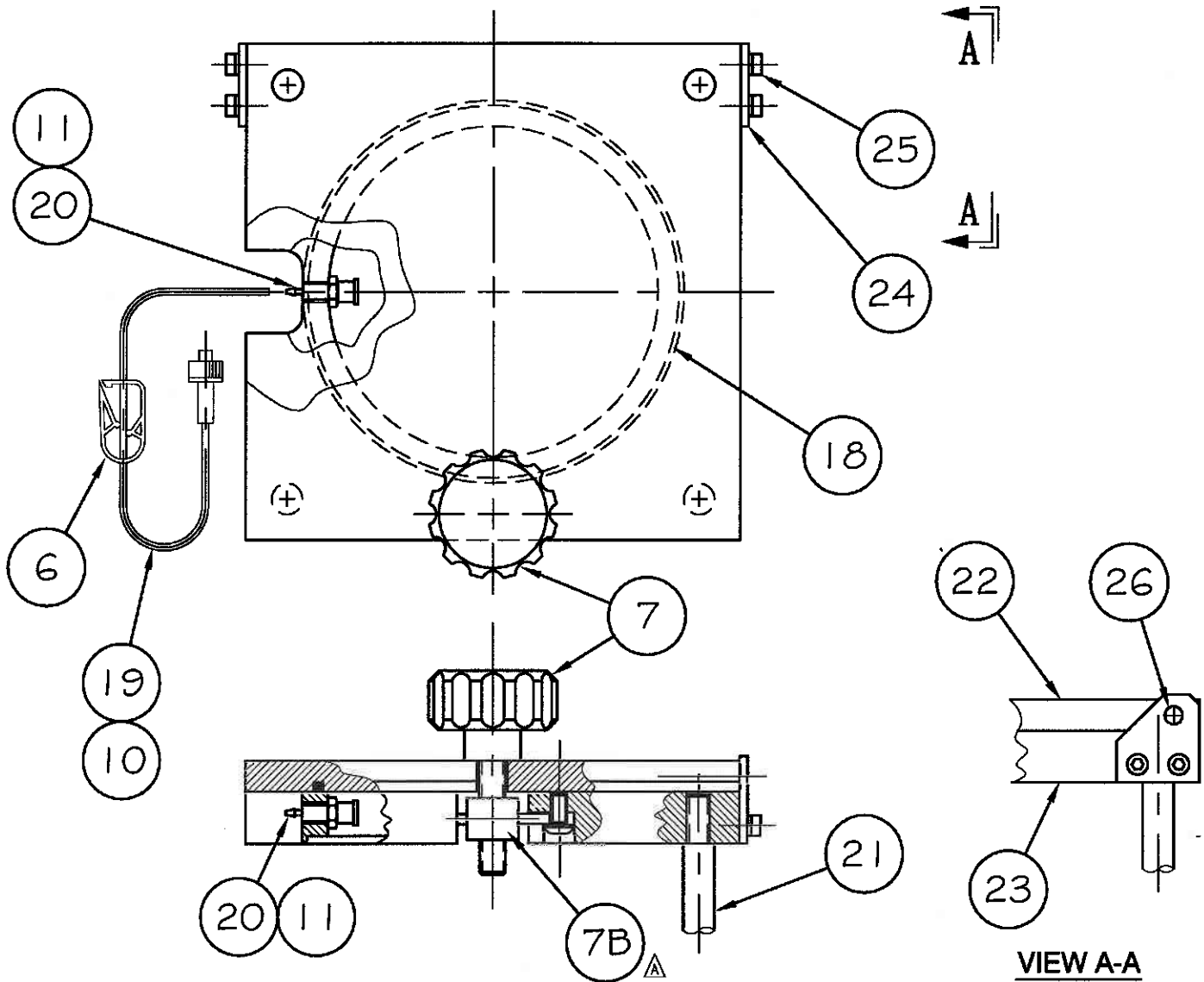
NO.	PART NUMBER	DESCRIPTION	QTY.	NO.	PART NUMBER	DESCRIPTION	QTY.
9	560611	GAUGE	1	20	560610	LUER FITTING (0.10 I.D.)	*
8	560571	REGULATOR	1	19	560608	DISPENSE TUBE (0.10 I.D.)	*
7B	△ 560612B	BUSHING	1	18	560618	RESERVOIR (Glass)	1
7	560612	KNOB ASSY.	1	16	--	DISPENSER	*
6	560613	CLAMP TUBE	1	15	560605/560606	CLAMP ASSY./ROD	*
5	580108	AIR COUPLING	1	14	710PT	VALVE ASSY.	*
4	560614	REDUCER NIPPLE	1	13	700PTP	DISPENSING PEN	*
3	560615 ✓	O-RING	1	12	560620	DIP TUBE	2
2	560616	VALVE, RELIEF	1	11	560609	LUER FITTING (0.07 I.D.)	1
1	560792	FLAT SEAL	2	10	560607	DISPENSE TUBE (0.07 I.D.)	1

PRODUCT
DESCRIPTION

PP300-GL-A PRESSURE DISPENSER

REVISION

A	JUNE 8, 1999
B	JULY 16, 2000



* OPTIONAL

NO.	PART NUMBER	DESCRIPTION	QTY.	NO.	PART NUMBER	DESCRIPTION	QTY.
19	560608	DISPENSE TUBE (0.10 I.D.)	*				
18	560618	RESERVOIR (Glass)	1	26	561586	PIN FOR BRACKET [△]	2
12	560620	DIP TUBE	2	25	561585	ALLEN SCREW FOR BRKT.	4
11	560609	LUER FITTING (0.07 I.D.)	1	24	561584	BRACKET FOR TOP SQ. PLATE	2
10	560607	DISPENSE TUBE (0.07 I.D.)	1	23	561583	TOP SQUARE PLATE - THICK	1
7B	[△] 560612B	BUSHING	1	22	561582	TOP SQUARE PLATE - THIN	1
7	560612	KNOB ASSEMBLY	1	21	561577	POST	4
6	560613	CLAMP TUBE	1	20	560610	LUER FITTING (0.10 I.D.)	*

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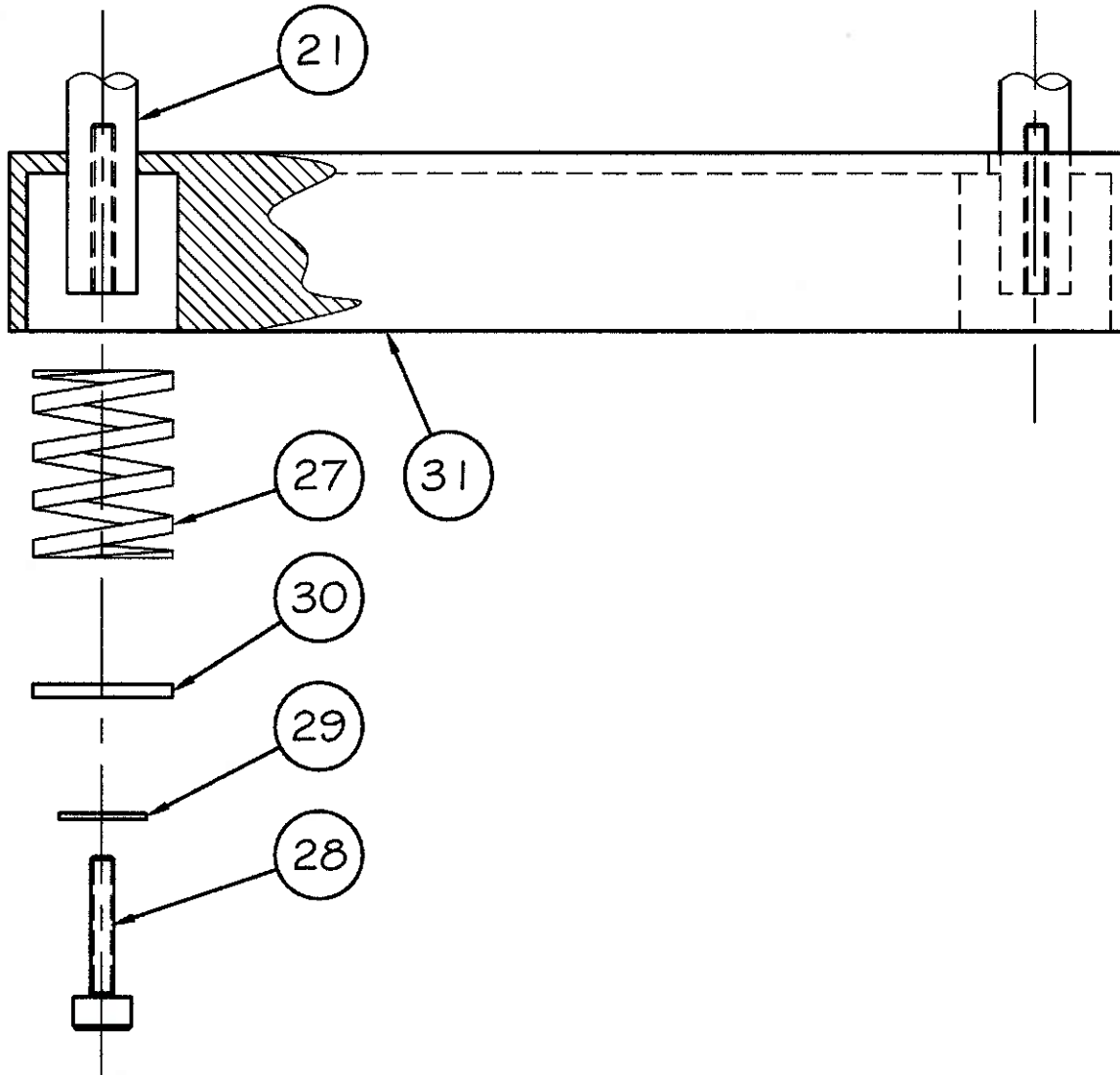
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REVISION

A JUNE 8, 1999

**PRODUCT
 DESCRIPTION**

PP300-GL-A PRESSURE DISPENSER



NO.	PART NUMBER	DESCRIPTION	QTY.	NO.	PART NUMBER	DESCRIPTION	QTY.
29	561580	WASHER (1/2" O.D.)	4	-			
28	561579	ALLEN SCREW (3/4" LONG, 1/8" DIA.)	4	31	561581	BOTTOM SQUARE PLATE (6" X 6")	1
27	561578	FLAT SPRING (1" LONG, 3/4" DIA.)	4	30	561741	WASHER (5/16" O.D.)	4
DRAWN BY: G.O. BEUTEL		DATE DRAWN: 5/15/99		FILE NAME:		\\pp300gl03a.dwg	

4.1 DESCRIPTION – 700PTPCW PINCH TUBE PEN

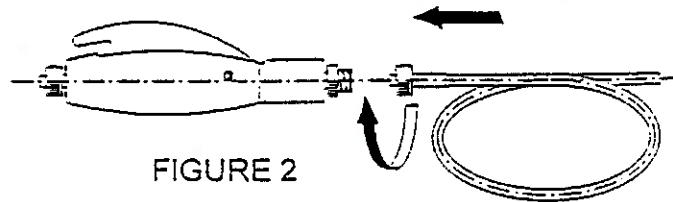
The 700PTPCW Pen option is basic Pinch Tube type valve. It has several unique features that provide very broad areas of application.

1. The replaceable Pinch Tube Ass'y. (3) has inlet and outlet fittings molded onto a Polyethylene Tube. The assembly is capable of shutting off fluid flow with input pressures up to 50 psi. of the supply source.
2. The Valving or ON/OFF lever actuator provides precision control, capable of making small micro dots or continuous beads.
3. A Stroke Adjustment (5) for the lever is built into the Pen body. This adjustment provides a positive stop point for the lever when dispensing. This adjustment makes possible the dispensing of small dots with a high degree of repeatable control.
4. A wide range of interchangeable fittings can be used to adapt supply hoses from pressurized supply reservoir. The standard supply hose provided with the Pen is a duplicate form of the Pinch Tube Ass'y., and quickly connects the Pen to the supply reservoir.

The 700PTPCW Pen option is supplied as a pre-assembled applicator (refer to page 11). In addition to spare pinch tube assembled and dispensing needle tips, * a supply hose and ¼" NPT adapter is included.

4.2 INSTALLATION – 700PTPCW PINCH TUBE PEN

1. Connect the Luer Lock Fitting at the end of the dispensing tube onto the inlet side of (3) Pinch Tube on the 700PTPCW Pen with twisting action (refer to figure 2).

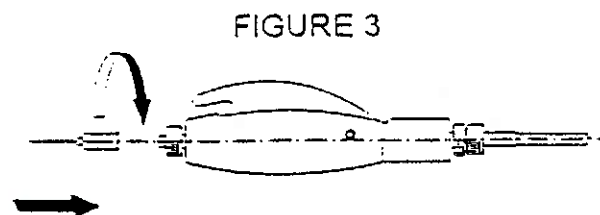


2. Install dispensing needle into Luer Lock Fitting on exit side of (3) Pinch Tube on the Pen with twisting action (refer to figure 3).

NOTE: Small-bore needles provide Better flow control of thin materials.

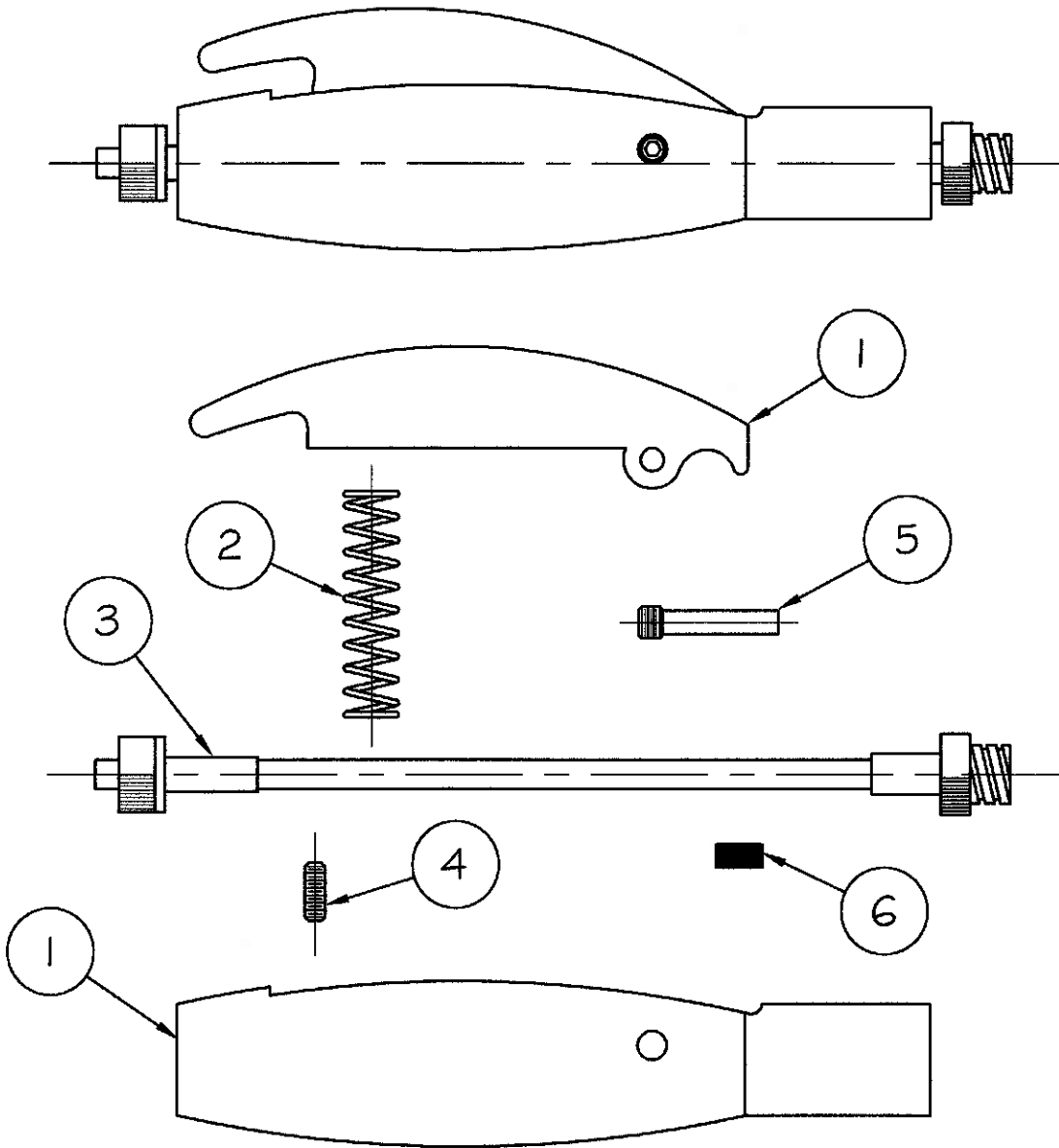
3. Open air Pressure Regulator Knob and very slowly turn Knob clockwise to adjust Air Pressure to 3 psi.

CAUTION: Air must be purged completely from dispensing Pen or Pen will not instantly shut of material flow.



PRODUCT
 DESCRIPTION

700PTPCW DISPENSING PEN



NO.	PART NUMBER	DESCRIPTION	QTY.	NO.	PART NUMBER	DESCRIPTION	QTY.
4	580044	FLOW ADJUST SCREW	1	8	580042A	ALLEN KEY FOR 580042	1
3	580045	PINCH TUBE ASSEMBLY	1	7	580044A	ALLEN KEY FOR 580044	1
2	580043CW	SPRING	1	6	580026NM	PINCH CUSHION	1
1	700PTP-RAW	BODY, HANDLE AND TRIGGER	1	5	580042	PIN (HINGE)	1

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4. Hold the Pen in your hand as if you were writing. To purge air from the Dispense Line Pen, hold the Pen over a disposable container, point tip up at approximately 30° angle. (refer to figure 4) Depress the ON/OFF lever.

NOTE: If lever can not instantly shut off flow, air is not completely purged from Line.

5. It may be necessary to fine tune the Flow Control or dot size desired. Use the included Allen Wrench to adjust the stroke of the ON/OFF lever. This adjustment (5) is on the underside of the Pen body, opposite the lever. With repeated use, a closely controlled application can be achieved by adjusting the following:

- A. Pressure on the supply reservoir.
- B. Needle tip size.
- C. Stroke adjustment on the ON/OFF lever.

NOTE: Normally, the Pinch Tube Ass'y. (3) will provide 100,000 to 200,000 plus ON/OFF actions before requiring replacement. When this is necessary, refer to detailed Instructions 700PTPCW Pinch Tube Assembly Replacement* (refer to page 13).

6. The PP300-A Pressure Dispenser with optional 700PTPCW Dispensing Pen is ready for use.

WARNING: Cyanoacrylate Adhesives are sever eye irritants and skin bonders. Immediate bonding of eyes, skin or mouth may occur upon contact. These Adhesives may cause permanent eye damage.

AVOID SPILLING THESE MATERIALS ON SKIN. INSTANT BONDING WILL OCCUR. DO NOT POINT PEN IN DIRECTION OF YOURSELF OR OTHERS



FIGURE 4

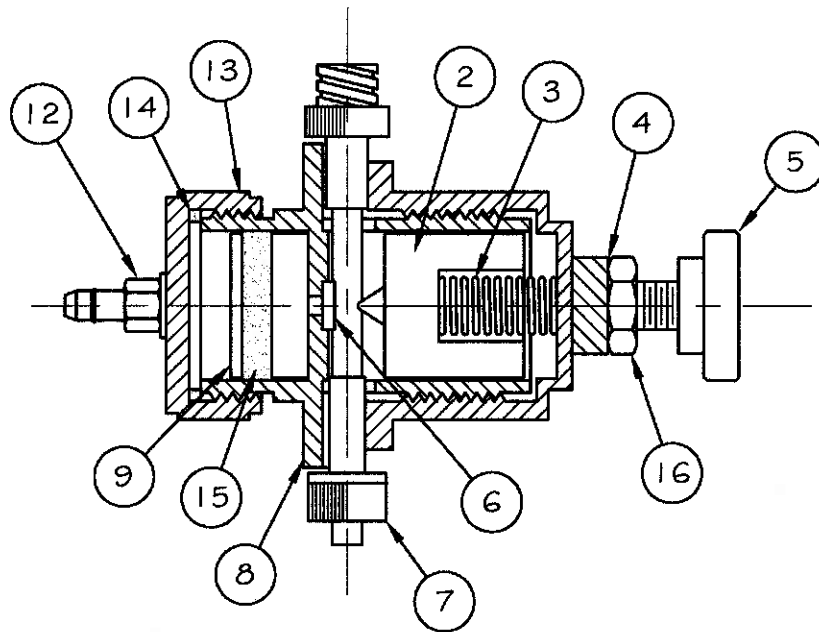
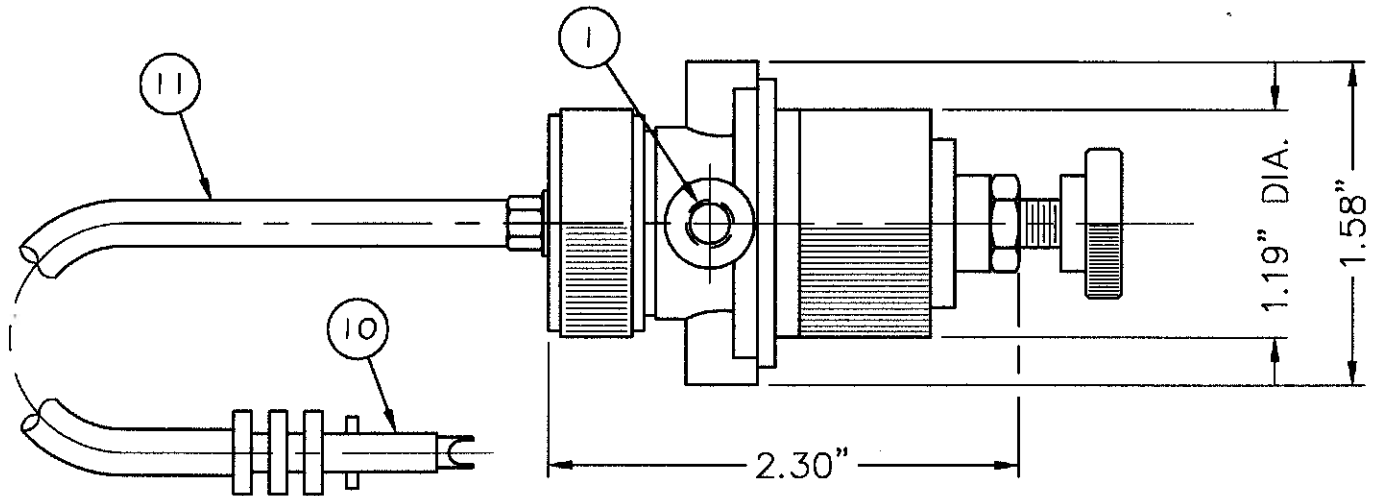
4.3 DESCRIPTION – 710PTNM PINCH TUBE VALVE

The 710PTNM PINCH TUBE VALVE option referred to page 8, provides an infinite degree of control for continuous or micro shot applications of low to semi-viscous fluids. The only part of the valve making contact with the fluid being dispensed is a disposable tube assembly (7).

1. The replaceable Pinch Tube Ass'y. (7) has inlet and outlet fittings molded onto a polyethylene tube. The assembly is capable of shutting off fluid flow with input pressures up to 50 psi. of the supply source.
2. The ON/OFF control is achieved by automatically opening and pinching the molded polyethylene tube assembly (7). The adjustable degree of opening or releasing the pinch closing on the tube assembly determines the shot size or flow rate. The valve will operate in any position, providing the supply source is pressurized.
3. The valve requires a minimum of 60 psi. to properly operate Piston (9). The shut-off function is achieved by an internal Spring (3). The Air Line to the valve (11) can be attached to a *three-way air supply valve (manual or automatic) or to the optional DISPENSER. Actuating this valve will open the micro shot valve. The open time determines the shot size (PARTS NOT INCLUDED WITH VALVE).
4. A ¼-20 thread mounting hole in the side of the valve body accepts a 3/8" dia., 6" long Rod (1), P/N 560606 (not included with the valve). This Rod with valve attached can be mounted on a Production Master Stand or by using the optional 560605/560606 Clamp Ass'y. (not supplied with Valve) can be mounted directly on the Pressure Dispenser (see page 3).

**PRODUCT
 DESCRIPTION**

710PTNM DISPENSING VALVE



NO.	PART NUMBER	DESCRIPTION	QTY.	NO.	PART NUMBER	DESCRIPTION	QTY.
8	580022NM	BODY	1	16	580036NM	1/4-28 JAM NUT	1
7	580038	DISPENSE TUBE	1	15	580031NM	U-CUP SEAL	1
6	580026NM	PINCH CUSHOIN	1	14	580030NM	GASKET	1
5	580029NM	ADJ. KNOB	1	13	580023NM	CYLINDER CAP	1
4	580024NM	FLANGE	1	12	580032A	HOSE BARB	1
3	580028NM	SPRING	1	11	560705-BULK	TUBING	3ft
2	580025NM	SHUT-OFF PISTON	1	10	580035A	CONNECTOR	1
1	580033NM	ROD MOUNT	1	9	580027NM	PISTON	1

4.4 INSTALLATION – 710PTNM PINCH TUBE VALVE

1. With Valve mounted as referred to in Section 4.3 Note 4, connect the Luer Lock Fitting at the end of the Dispenser Tube onto the inlet side of (7) Pinch Tube on the 710PTNM Valve with a twisting action (refer to figure 5).
2. Install the Air Line (11) from the valve to an Air Source or optional DISPENSER as referred to in Section 4.3 Note 3 (refer to figure 5).

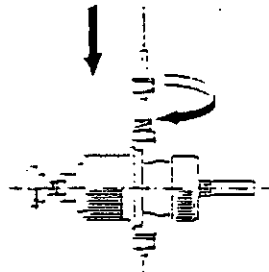


FIGURE 5

3. Install Dispensing Needle into Luer Lock Fitting on exit side of (7) Pinch Tube on Valve with twisting action (refer to figure 6).

NOTE: Small-bore needles provide better flow control of thin materials.

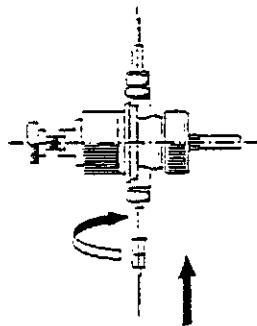


FIGURE 6

4. Open Air Pressure Regulator Knob and very slowly turn Knob clockwise to adjust air pressure to 3 psi.

CAUTION: Air must be purged completely from Dispensing Valve or Valve will not instantly shut off material flow.

5. To purge air from the supply line, place a disposable container under the needle (refer to figure 7). Activate Valve with 60 psi. min. air pressure from air source or optional DISPENSER, dispense adhesive for 15 to 20 seconds or until air is purged from the line. Deactivate Valve (release air pressure). If Valve does not instantly shut off flow, air is not completely purged from the line.
6. It may be necessary to fine tune the flow control or dot size desired. Adjustment of the Knob (5) controls the travel of the SHUT-OFF Piston (2) by limiting its reverse movement. The SHUT-OFF Piston is moved by the Push Rods of the Air Piston (9). The travel of the SHUT-OFF Piston (2) determines the amount of opening for the Pump Tube (7), when coupled with a * time control, determines the shot size. (* refer to Section 4.3 Note 3). With repeated use, a closely controlled application can be achieved by adjusting the following:

- A. Pressure on the supply reservoir.
- B. Needle tip size.
- C. Stroke adjustment on the SHUT-OFF Piston Knob (5).

NOTE: Normally, the Pinch Tube Ass'y. (7) will provide 100,000 to 200,000 plus ON/OFF actions before requiring replacement. When this is necessary, refer to detailed Instructions 710PTNM Pinch Tube Assembly Replacement (refer to page 19).

7. The PP300-A Pressure Dispenser with optional 700PTNM Pinch Tube Valve is ready for use.

WARNING: Cyanoacrylate Adhesives are severe eye irritants and skin bonders. Immediate bonding of eyes, skin or mouth may occur upon contact. These Adhesives may cause permanent eye damage.

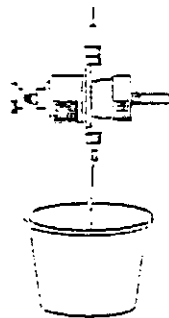


FIGURE 7

AVOID SPILLING THESE MATERIALS ON SKIN. INSTANT BONDING WILL OCCUR. DO NOT POINT PEN IN DIRECTION OF YOURSELF OR OTHERS

5.0 ADHESIVE SUPPLY REPLACEMENT

WARNING: AVOID SPILLING THESE MATERIALS ON SKIN. INSTANT BONDING WILL OCCUR, EYE PROTECTION REQUIRED.

NOTE: Adhesives may be stored in unused adhesive dispenser for up to 72 hours. If unused for more than 72 hours, dispenser must be cleaned and adhesive removed.

1. Close Air Pressure Regulator Knob (8), turn counter clockwise and lower air pressure to zero.

WARNING: Do not open lid until air pressure is at zero.

2. Disconnect air supply line if necessary, do not open Lid until unit pressure is zero.
3. Hold dispensing device (i.e. 700PTPCW Pen or 710PTNM Valve) higher than pressure reservoir, activate device [for Pen (13) Press Trigger Handle, or for Valve (14) apply air pressure to Piston]. Adhesive must drain back into adhesive bottle.
4. Loosen Lid Knob (7) slowly. If excessive effort is required, make sure air pressure is zero.
5. Open Lid slowly.
6. To remove old Dip Tube (refer to figure 1).
 - A. Remove Dip Tube (12) from Luer Fitting (11) inside pressure reservoir. When loosening Dip Tube Fitting, support tube to allow for twisting to be absorbed in fingers and not allow Tube to fall out of bottle.
 - B. Drop used Dip Tube into empty adhesive bottle.
 - C. Remove empty adhesive bottle from pressure reservoir and discard properly.
7. Install new Dip Tube. (refer to Section 4.0 Set-up and Installation Notes 5 & 6) (see figure 1).

CAUTION: Never pour adhesives directly into pressure pot.

6.0 CLEANING INSTRUCTIONS – DISPENSER

WARNING: Read the material safety data sheets for special precautions for the specific material being dispensed. Wear protective safety equipment as specified in the material safety data sheet.

When using solvents, it is essential that precautionary measures for handling such materials be observed. Eye protection is required during this operation.

NOTE: Use degreaser/cleaner (such as WESTLEY'S CLEAR MAGIC) to clean plastic or glass reservoir.

Soap or other cleaners may react with CA vapor and cause clouding on reservoir walls.

Uncured adhesive on other surfaces may be cleaned up with Acetone, Methyl Ethyl Ketone or Nitromethane. Remove cured adhesive with Nitromethane. Acetone or Methyl Ethyl Ketone works slowly on Cured Adhesive. Do Not Use on plastic reservoir.

Adhesive may be stored in unused adhesive dispenser for 72 hour. If unused for more than 72 hours, dispenser must be cleaned and adhesive removed.

Before cleaning dispenser, all adhesive in dispense tube and dispensing device must be drained back into adhesive bottle.

1. Remove Needle from dispensing device. Follow Instructions Notes 1 through 5, as referred to in Section 5.0 Adhesive Supply Replacement.
2. To remove and recap adhesive bottle:
 - A. Carefully loosen Dip Tube from inside Pressure Reservoir.
 - B. Carefully remove Bottle from Pressure Dispenser. Discard Dip Tube and empty properly. Replace Bottle Cap to save usable adhesive.

WARNING: When using Flammable solvents, extinguish all sources of ignition in the immediate work area and observe proper precautionary measures for handling the material.

CAUTION: Never pour solvents directly into reservoir.

3. To clean dispenser:
 - A. Pour a suitable cyanoacrylate cleaner into a polyethylene or metal container and place in pressure reservoir.
 - B. Install Dip Tube and close Dispenser Lid.
 - C. Hand tighten Lid Knob.
 - D. Hold dispenser device: (optional Pen or Valve) over disposable container.

WARNING: When using solvents, it is essential that precautionary measures for handling such materials be observed. Always use low air pressure when using solvent in the unit. Do not direct the Pen in direction of yourself or others. Do not allow solvent to contact printed matter on the dispenser.

- E. Activate dispense option (i.e. Press Trigger on Pen or apply air to Valve), slowly turn Air Press Knob clockwise. Dispense all adhesive into container. Dispense solvent into container for 5 to 10 seconds after adhesive is dispensed. Dispose of properly.
4. Purge all remaining cleaner with air.
5. Turn air pressure regulator counter clockwise and lower air pressure to zero.
6. Store adhesive dispenser with Lid open.

6.1 CLEANING/REPAIR - 700PTPCW PEN

1. To remove Pen from supply line:
 - A. Turn Air Pressure Regulator counter clockwise and lower air pressure to zero.
 - B. Remove needle and hold dispense Pen higher than pressure Reservoir.
 - C. Press Dispense Pen Trigger and drain adhesive into adhesive bottle. If cured adhesive plugs Pinch Tube, adhesive will not drain into adhesive bottle. Refer to Section 6.0 Note 3, Instructions D & E.
 - D. Remove supply line Tube from Dispense Pen.

NOTE: If leakage has occurred in Dispense Pen, soak entire Pen in Methylene Chloride for disassembly. Clean up uncured adhesive with Methyl Ethyl Ketone or Nitromethane. Remove cured adhesive with Nitromethane. Acetone or Methyl Ethyl Ketone works slowly on Cured Adhesive.

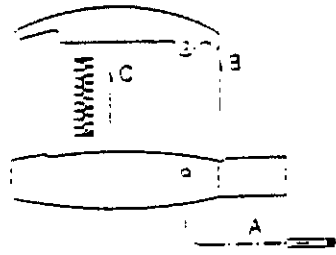
2. Soak parts of disassembled Pen in Cyanoacrylate cleaner (refer to page 5).
3. To replace Pinch Tube (refer to figure 8).

6.2 CLEANING/REPAIR - 710PTNM VALVE

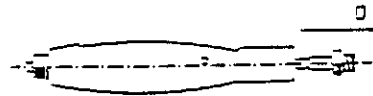
1. To clean Valve follow Instruction in Section 6.1 Notes 1 & 2.
2. To replace Pinch Tube (refer to figure 9).

700PTPCW PINCH TUBE ASSEMBLY REPLACEMENT TO REPLACE PINCH TUBE ASS'Y.

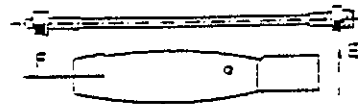
1. Unscrew pivot Pin (A), remove Trigger (B), and Spring (C).



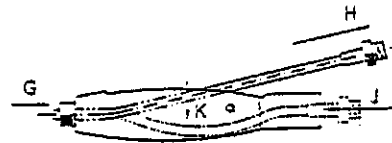
2. Pull one end of Pinch Tube Ass'y. out (D), stretching it until fitting clears body.



3. Now pull stretched end of Pinch Tube Ass'y. up (E). Then pull out the opposite end (F) to remove.



4. To replace new Pinch Tube Ass'y., insert fitting of Pinch Tube Ass'y. in one end of the body (G). Stretch the opposite end over the body until fitting clears (H)



5. Now pull Pinch Tube Ass'y. down and insert end into body (J). Finally, secure by pushing Pinch Tube Ass'y. to the bottom inside of the body (K) and re-assemble.

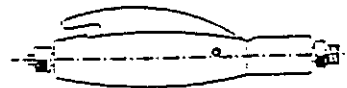
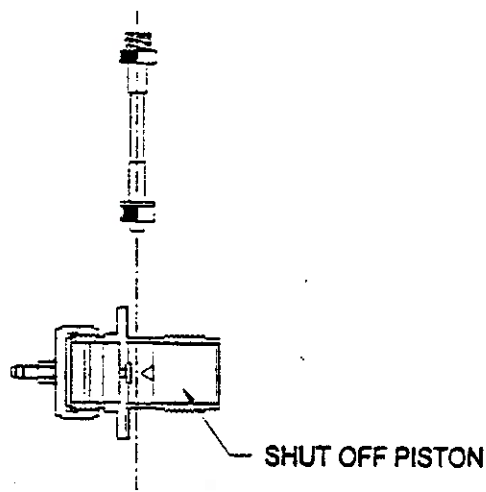


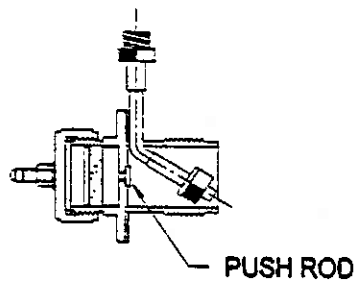
FIGURE 8

NOTE: After installing new Pinch Tube Ass'y., it may be necessary to purge air from line. Refer to Section 4.2 Note 4. If Pen Trigger can not instantly shut off adhesive flow, air is not completely purged from dispense pen material line.

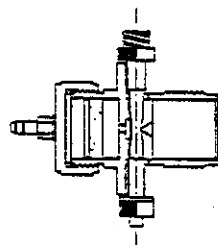
710 PTNM PINCH TUBE ASSEMBLY REPLACEMENT



1. Remove Flange Cap, spring and Shut-Off Piston.
2. Insert male end of pinch tube assembly through side hole of Valve Body.



3. Tilt the molded male end enough to pass by the Push Rods.



4. Push Tube into place as shown, making sure shoulders are snapped into grooves.
5. Insert Piston, Spring and threaded Flange Cap completely into Valve Body, making sure Pinch Tube Ass'y. is securely locked into Grooves of Body.

Pinch Tube Ass'y. 580038 0.07 I.D. Std.

580037 0.10 I.D. Opt.

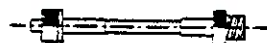


FIGURE 9

NOTE: After installing new Pinch Tube Ass'y. It may be necessary to purge air from the line. Refer to Section 4.4 Note 5. If valve can not instantly shut off the adhesive flow, the air is not completely purged from dispense valve material line.

7.0 PP300-A WARRANTY

Manufacturer warrants this product to the original purchaser for a period of one year from date of purchase to be free from defects in material and workmanship, but not against damages by misuse, negligence, accident, faulty installation, abrasion, corrosion or by not operating in accordance with factory recommendations and instructions. Manufacturer will repair or replace (at factory's option), free of charge, any component of the equipment thus found defective, or return of the component PREPAID to the factory during the warranty period. In no event shall any liability or obligation of Manufacturer arise from this warranty exceed the purchase price of equipment. This warranty is only valid if the defective PP300-A Pressure Dispenser is returned as a complete assembly without physical damage. The manufacturer's liability, as stated herein, cannot be altered or liable for consequential or incidental damages. A return authorization is required from I&J FISNAR INC. prior to shipping a defective unit to the factory.

Manufacturer reserves the right to make engineering or product modifications without notice.

Send warranty returns to:



15 Corporate Drive, Suite E - Wayne - NJ 07470
Tel: (973) 646-5044 E-mail: info@fisnar.com
www.fisnar.com