



# V-Series Lubrication System



Designed for Stampers by Stampers

# Pax "V-Series" Features & Benefits

The Pax V-Series lubrication system incorporates an *optional* PLC and operator interface that controls individual solenoid valves and is capable of storing up to 32 different jobs. The controller is password protected to prevent unauthorized access.

Each solenoid valve can be independently controlled and may be programmed to spray at different intervals, and for different durations (minimum 20 milliseconds) during a press cycle. System is available with 5, 10, or 15 solenoid valves. Surge suppression is provided with each solenoid coil.

Adjustable air pressure to accommodate different fluid viscosities. No air line lubrication required on system for reduced maintenance.

Reservoir drain for convenient removal of fluid.



Aluminum, hard anodized manifolds are supplied along with quick disconnect fittings for easy removal and connection of spray lines.

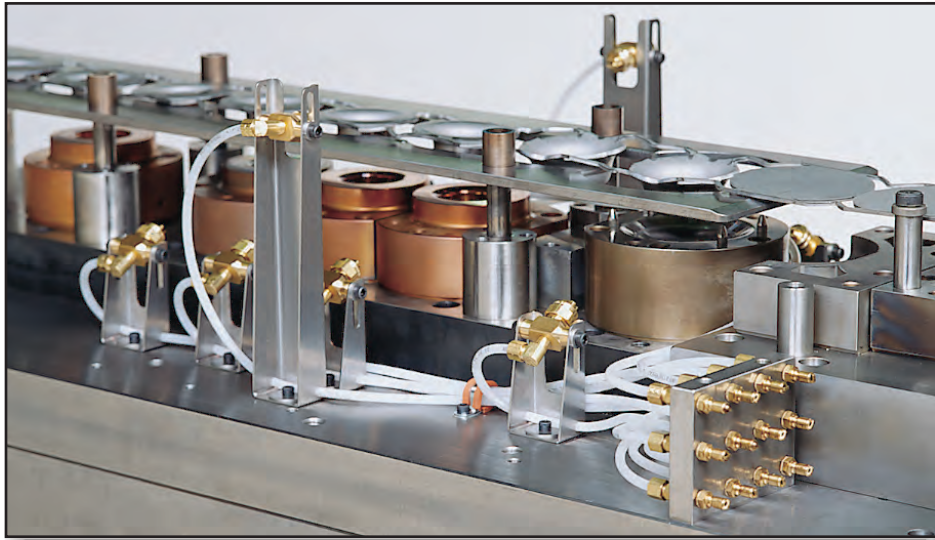
Pressurized fluid is delivered to the system's manifold with a reliable diaphragm pump and filter assembly.

*Optional* Air Agitation to prevent water soluble fluids from separating.

Durable stainless steel reservoir. Available in 15 and 30 gallon capacities. Supplied with easy opening lid for convenient adding of fluid while system is in operation.

**Model V10-15**  
*(Shown With Optional Controller and Air Agitation)*

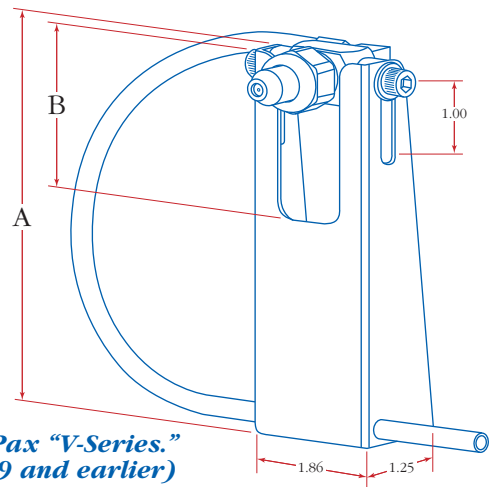
# In-Die Components, Fittings, and Adapters



## ***Pax Bracket Mount Spray Assembly For In-Die Lubrication***

Assembly includes stainless steel bracket, bracket mount nozzle body, selected spray tip, tip retainer, check valve/strainer, male elbow, 1/4-20 x 5/8 screws, and stainless steel washers. (Requires 1/4-20 tapped hole for mounting). *Note: Assembly does not include tubing. (Nylon tubing recommended)*

<b>Part No.</b>	<b>A</b>	<b>B</b>	<b>Bracket Size</b>
06-3109-30	2.45"	1.75"	1"-2"
06-3110-30	3.45"	2.25"	2"-3"
06-3111-30	4.45"	2.25"	3"-4"
06-3112-30	5.45"	2.25"	4"-5"
06-3113-30	6.45"	2.25"	5"-6"
06-3114-30	7.45"	2.25"	6"-7"
06-3115-30	8.45"	2.25"	7"-8"
06-3116-30	9.45"	2.25"	8"-9"
06-3117-30	10.45"	2.25"	9"-10"



***Note: Bracket Mount Spray Assembly is designed for use with Pax "V-Series." Also used with Pax "Original Style" Systems (Serial # 5699 and earlier)***

## **Various Fittings and Adapters May Be Used:**



06-0928-32



06-0967-10



06-1905-20



01-0912-20



06-0910-20



01-0901-20



06-1902-20



03-0911-20



01-0914-21



06-1980-10

***Note: Other fittings available upon request.***

# Spray Assemblies, Nozzles and Tips

## Standard Spray Assembly

The standard spray assembly includes nozzle body, spray tip, check valve/strainer, retainer nut, quick connect male plug and eight feet of 1/4" nylon tubing.

### Description

Standard Spray Assembly

### Part No.

06-3008-30



## Magnetic Base Spray Assembly

The magnetic base spray assembly includes 250 lb. pull magnet w/steel post, stainless steel tube, clamp assembly, nozzle body, selected tip, check valve/strainer, retainer nut, quick connect male plug and eight feet of 1/4" nylon tubing.

### Description

Magnetic Base Spray Assembly

### Part No.

06-3012-31



## Flextube Magnetic Base Spray Assembly

The flextube magnetic base spray assembly includes 250 lb. pull magnet w/release lever, flextube segments, nozzle body, selected tip, check valve/strainer, retainer nut, quick connect male plug and eight feet of 1/4" nylon tubing.

### Description

Flextube Magnetic Base Spray Assembly

### Part No.

06-3016-30



## Spray Nozzle Assemblies

Spray nozzle assemblies include nozzle body, check valve/strainer, selected spray tip and tip retainer.

Nozzle Assembly (1/8" NPT Female Threads)



PN 06-3001-30

Nozzle Assembly (1/8" NPT Male Threads)



PN 06-3002-30

Nozzle Assembly (1/4" Compression Sleeve & Nut)



PN 06-3003-30

## Spray Tips

Please contact Pax for information about tips not shown.

Style & Type	Pattern Size	Part No.
25° Flat	1.50" x 3.50"	06-0973-20
50° Flat	2.00" x 5.75"	06-0951-20
65° Flat	2.00" x 7.50"	06-1908-20
80° Flat	2.00" x 9.50"	06-0950-20
95° Flat	2.25" x 12.00"	06-1909-20
110° Flat	2.50" x 14.00"	06-0952-20
.041" Orifice Deflected	4.00" x 18.00"	06-0956-20



Flat Tip

*Note: Pattern size obtained by using a low viscosity lubricant. Tips were placed in the vertical position and held 6" from the surface. Pattern sizes may vary depending upon lubricant viscosity and air pressure setting.*



Deflected Flat Tip

# Easy-To-Operate Controller Interface



**Main Display Screen** - illustrates each job number. Capable of storing up to 32 different jobs.

**Setup Screen** - allows operator to select each job. Setup screen is password protected to prevent unauthorized access.

**Program Screen** - allows supervisor to access the programming of each solenoid. Program screen is password protected to prevent unauthorized access.

**Note:** Controller interface is optional for Pax V-Series.

## System Configurations

- ◆ **Model V5-15** (5 Valve/15 Gallon)
- ◆ **Model V10-15** (10 Valve/15 Gallon)
- ◆ **Model V5-30** (5 Valve/30 Gallon)
- ◆ **Model V10-30** (10 Valve/30 Gallon)
- ◆ **Model V15-30** (15 Valve/30 Gallon)
- ◆ **Model V5T** (5 Valve - Tankless)
- ◆ **Model V10T** (10 Valve - Tankless)
- ◆ **Model V15T** (15 Valve - Tankless)
- ◆ **Model V5M** (5 Valve - Tankless)  
*See Back Cover*



**Model V15-30**  
*(Shown With Optional Controller)*



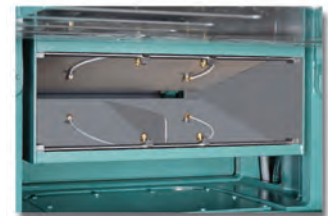
**Model V10T**  
*(Shown With Optional Diaphragm Pump)*

## Available Options

- ❖ Lubricant Purge Switch
- ❖ Diaphragm Pump
- ❖ Controller Interface
- ❖ Low Level Float (Reservoir System Only)
- ❖ Automatic Refill (Reservoir System Only)
- ❖ Air Agitation (Reservoir System Only)
- ❖ Reservoir Strainer (Reservoir System Only)
- ❖ Automatic Refill Solenoid Valve
- ❖ Air Shut Off Valve
- ❖ Power Cord & Plug
- ❖ Pax Spray Cabinet
- ❖ Tankless Filter Assembly
- ❖ Tankless Filter & Low Level Float Assembly
- ❖ Barrel Mount Adapter, Filter & Low Level Float Assembly (Tankless System Only)



**Low Level Float, Air Agitation and Screen Filter**



**Pax Spray Cabinet**

# Optional Valve/Manifold Assembly For Central Lube Systems

The Pax Model V5M may be utilized for central lube system applications that are currently equipped with a PLC to control the solenoid valves. This assembly includes 5 solenoid valves, a hard anodized aluminum manifold with numbered positions, and a terminal box. For applications that require the Pax PLC interface, the Pax V5T, V10T and V15T tankless systems may be utilized.



**Model V5M**



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