

Press Spray

The economical solution
for die lubrication



The PresSpray Ejectors

The Heart of a PresSpray Lubrication System

The PresSpray dispenses a predetermined amount of lubricant in an instantaneous airless spray upon command. In an airless spray, the droplets are large and heavy and will not fog the work area.

The function of the Ejector is to draw lubricant into the system and then forcefully eject it out of the Spray Nozzles at the proper velocity to form a fine airless spray. Set the desired volume of lubricant needed for each stroke of the press. That's how much you will get, each and every time.

Dies lubricated automatically will run longer, cooler and faster. The operator does not have to worry about die lubrication and can devote his full efforts to running the press. The features diagrammed here are standard on all five of our Ejectors.

Seals

Chemical resistant Viton "O" Rings are used throughout the Ejector. Teflon coated Back-Up-Rings are used at all high pressure areas to increase the life of the O-Rings.

Piston & Ram Assembly

Drives the lubricant out of the nozzle under high pressure. The high pressure ratio allows the lubricant to be broken up into a fine airless spray to evenly coat the work area. The ram is made of ground and polished stainless steel for extended service life.

Spring Return Piston & Ram

Efficient and economical spring return of the piston & ram replaces costly air return.

Saves on air with lightning fast performance. Units have been timed at up to 500 strokes per minute.

Air Cylinder

Made of honed and polished steel tubing. Nickel plated for wear resistance and corrosion protection.

Velocity Control

Fine tunes the spraying force of the lubricant being used. Thumbscrew sets the Ejector to the exact speed to form the desired spray pattern. Eliminates overspray and bounce of very light lubricants. Affords complete control of the Ejector's reaction, (not available on the MicroSpray).

UniValve

A three way air valve, specifically sized for each PresSpray model ensures an ample, unrestricted air supply. Located directly behind the piston and ram to deliver air to the PresSpray in the fastest most efficient method possible. A quick exhaust allows for fast recycling.

Mounting Bracket

All units have either a mounting bracket or locations on the end plate castings to accept mounting screws. PresSprays are mounted with either two or four screws, depending on the size of unit. Mounts to any surface for permanent installations. The MicroSpray mounting bracket can be attached to a MagnaBase for portability.

Outlet Port

Standard NPTF thread accepts the standard manifold, tubing, or fittings to allow Manifolds to be mounted remote from the unit.

Barrel

Handles high pressure portion of Ejector. Fully machined anodized aluminum. **Lifetime guarantee against corrosion.**

Volume Control

Sets the precise amount of lubricant to be ejected. Simple thumbscrew adjustment, with finger tightening lock nut.

Inlet Check Valve

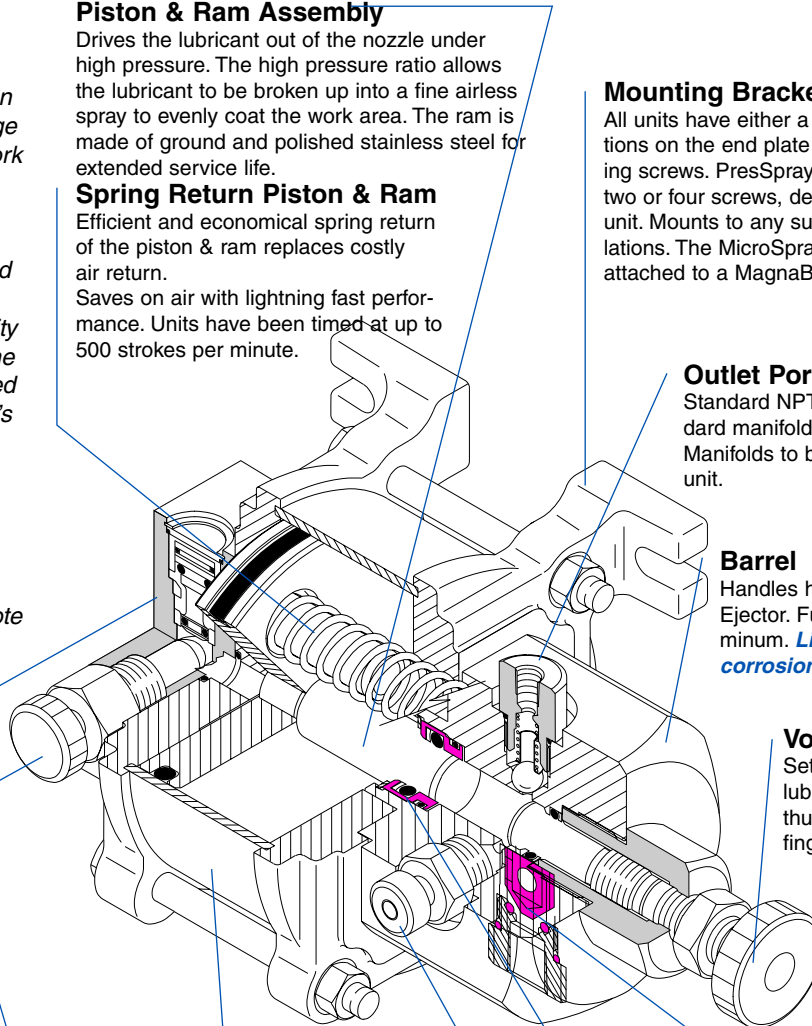
Allows immediate recharging of the unit between ejections. Check with ample passage assures a full shot each time, even at high cycle rates.

Gland Fitting

Encapsulates the seal separating the lubricant from the air in a brass gland. The gland gently floats with the movement of the ram, reducing wear encountered in other static systems. This system greatly extends the life of the O-Ring.

Bleed Valve

Affords fast and easy priming of the Ejectors when necessary. The Bleeder Valve Port and Outlet Port are interchangeable if desired.



MicroSpray P-010

This unit dispenses small quantities of lubricants to a single point. It offers the ultimate in low volume control. Because it dispenses only .010 cu. in. at its maximum, the total range is limited, but finely controlled. The MicroSpray gives an ultra fine spray or a single drop upon command. Includes P-232, 95° nozzle and copper or heavy wall nylon tubing for the nozzle.

MiniSpray P-040

This small and compact unit is able to utilize up to three nozzles at one time depending on the viscosity of the lubricant. When using multiple nozzles, it's capable of lubricating the top and bottom of the stock. Perfect for one or two nozzle applications.

Includes P-922, 2 Port Manifold.

MytiSpray P-125

For the medium size jobs that require heavier lubricants or larger volumes of lubricants. Capable of lubricating the stock before it enters the die, with enough in reserve to lubricate the trouble spots in a die. This unit can spray up to six nozzles. The volume can be reduced to .025 cu. in. without affecting the spray pattern.

Includes P-924, 4 Port Manifold.

MegaSpray P-135

Ideal for large jobs. It can handle up to 15 nozzles when using water soluble lubricants. Lubricate all stations of a progressive die with just one pump. Position nozzles as far as 8 feet from the MegaSpray for long progressive dies.

Includes P-924, 4 Port Manifold.

MacroSpray P-175

An extra large unit for the heavier viscosity lubricants or for larger parts where a greater number of nozzles are needed to accomplish total lubrication. Ideal for automotive plants, appliance plants and other manufacturers of large stampings. Large in volume, high in performance.

Includes P-924, 4 Port Manifold.



The PresSpray Ejectors handle a full range of lubricants, with the power to drive heavy viscosity oils, and the controls to govern very light lubricants. From spot lubricating a single tool to covering a large panel, there is a PresSpray Ejector to do the job.

The smallest unit is the MicroSpray and can dispense a single drop as small as .001 cu. in. or break the drop into a fine spray pattern. The MacroSpray is the largest and is normally used on multiple nozzle applications or when using heavier viscosity lubricants. The Mini, Myti and the Mega fall in between the Micro and the Macro in volume, viscosity and capability.

EJECTOR SPECIFICATION CHART

Model No.	Volume per Cycle (cu. in.)	Strokes per Minute	Air Consumption per Cycle @ 80 PSI
P-010	.000-.010	500	.00070 SCFM
P-040	.000-.040	450	.00341 SCFM
P-125	.025-.125	400	.01310 SCFM
P-135	.075-.375	325	.04714 SCFM
P-175	.150-.750	250	.10528 SCFM

Model No.	OIL VISCOSITIES NUMBER OF NOZZLES							
	Water Soluble	100 SSU	250 SSU	400 SSU	800 SSU	1200 SSU	2000 SSU	2500 SSU
P-010	1	1	1	1	N/A	N/A	N/A	N/A
P-040	4	4	2	2	1	1	N/A	N/A
P-125	10	8	6	5	3	2	1	N/A
P-135	20	16	12	10	6	4	3	1
P-175	20	20	20	20	12	7	3	2

The above chart is a guide and actual results may vary depending upon the tackiness of the lubricant and other variables beyond our control. Tubing lengths greater than six feet may vary performance.

Customizing the PresSpray

Choosing the Proper Option or Package for a Specific Application

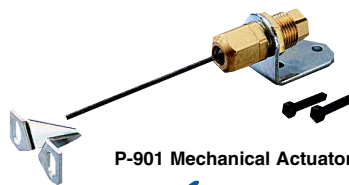
The PresSpray Ejector is the heart of the Lubrication System. Customizing the PresSpray Ejector with various optional accessories is quick and easy.

Determining what Options to specify depends on the location and volume of lubricant as well as the type of lubricant and frequency. Every user's unique problems can make it necessary to customize a system for their particular application.

There are many ways to actuate a PresSpray and many ways to supply it with lubricant. What type of nozzles will give the best results or fit into the allotted space? These and other questions will determine which of the following options to use.

Actuating Systems

There is a wide variety of Actuator Controls, ranging from pneumatic to electric to solid state electronic controllers.



P-901 Mechanical Actuator



P-908 Air Timer



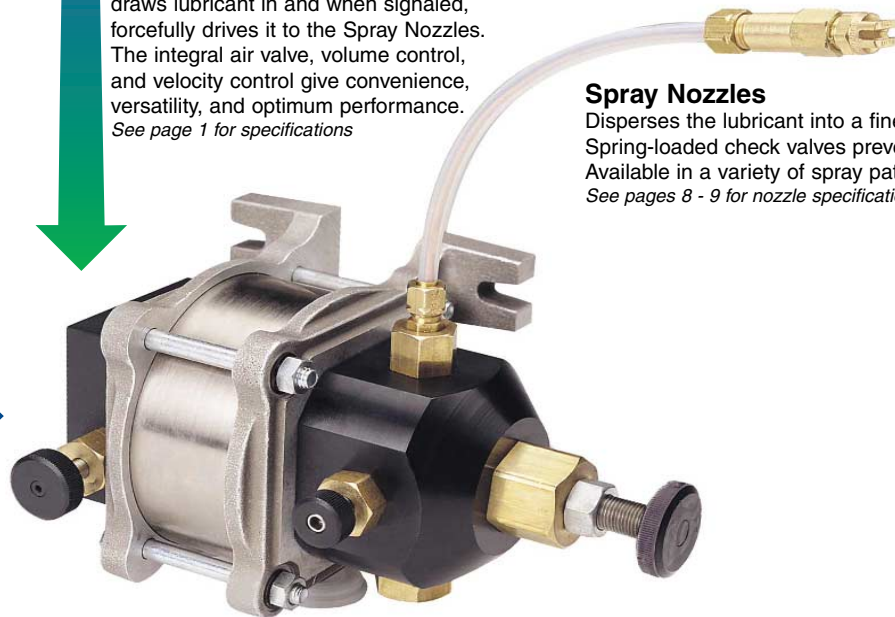
Electronic Controllers

PresSpray Ejectors

The Heart of the PresSpray System draws lubricant in and when signaled, forcefully drives it to the Spray Nozzles. The integral air valve, volume control, and velocity control give convenience, versatility, and optimum performance. See page 1 for specifications

Spray Nozzles

Disperses the lubricant into a fine airless spray. Spring-loaded check valves prevent dripping. Available in a variety of spray patterns. See pages 8 - 9 for nozzle specification and accessories.



AIR FILTER with
OR,
GAGE



REG-005 & REG-006 Air Filter with Regulator, Oiler & Gage

Regulates and filters the incoming air. REG-005 is for P-125 through P-175 REG-006 is for P-010 through P-040



PowerPump

Air operated pumps deliver lubricant directly from any container. Use for large lubricant consumption or supplying multiple Ejectors. See page 4.



Reservoirs

Made of heavy duty, long chain polyethylene plastic, with sight gage, filter and a large lid for easy filling. See page 12.

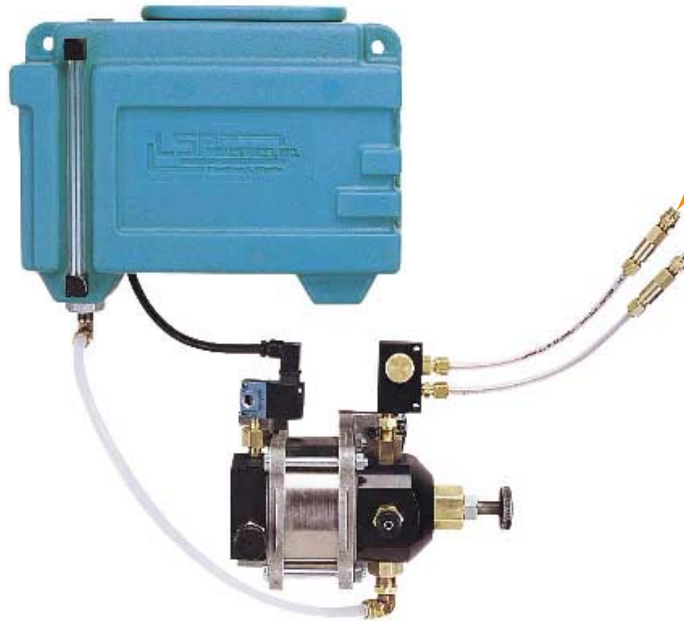


P-010 MicroSpray

A one quart reservoir can last a day or longer when using a MicroSpray. Mount the MicroSpray, Reservoir and Nozzle Assembly on Magnetic bases and it becomes a truly portable unit. Move it to where you want in just seconds. The MicroSpray above is being actuated with our P-901 Mechanical Actuator on each stroke of the press.

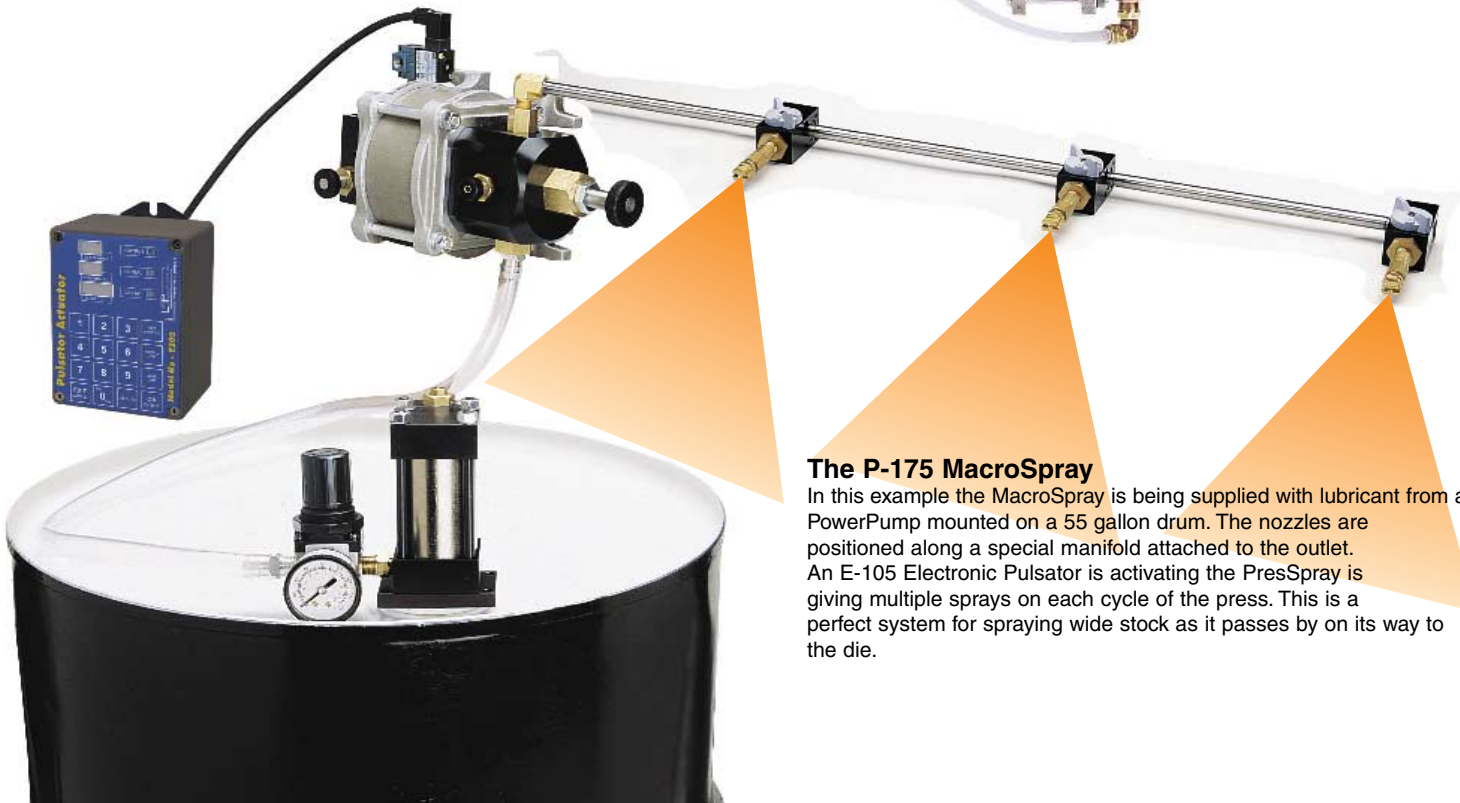
P-125 MytiSpray

A medium size unit capable of supplying up to six nozzles with water soluble and light to medium viscosity oils. Here is the P-125 with a five gallon reservoir, manifold, multiple nozzles and a P-912 electric solenoid. Place some nozzles on the stock going into the die and then place some of the nozzles in the die area where additional lubrication is needed.



The P-175 MacroSpray

In this example the MacroSpray is being supplied with lubricant from a PowerPump mounted on a 55 gallon drum. The nozzles are positioned along a special manifold attached to the outlet. An E-105 Electronic Pulsator is activating the PresSpray giving multiple sprays on each cycle of the press. This is a perfect system for spraying wide stock as it passes by on its way to the die.

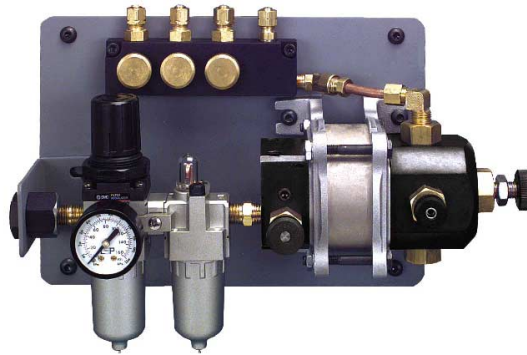


The PresSpray Ejector can handle a full range of jobs based on its options setup. LSP Industries, Inc. manufactures a variety of actuators. The P-901 Mechanical Actuator is a proven actuator that has been a standard for many years. Electronic actuators give smaller PresSprays the ability to do much larger jobs. They also direct larger PresSprays to actuate in the proper timing sequence, thus conserving lubricant. Lubricant is supplied from a variety of sources, ranging in size from a one quart container to an eight gallon reservoir. For larger jobs, a PowerPump distributes lubricant from a centrally located container. Here are a few of the systems designed with off the shelf components. A wide variety of nozzles gives users the ability to permanently mount nozzles for quick die change or magnetically mount nozzles for flexibility with die

PresSpray Modules

Bracketed and Reservoir Modules, Designed for Easy Installation

A bracketed Module consists of a PresSpray Ejector and a group of components pre-assembled on a bracket in a single, compact module. For convenience, the PresSpray attaches to a Bracket that includes an Air Filter/Regulator/Oiler and a two or four port Manifold (the MicroSpray does not have a Manifold). This greatly reduces installation time and cost. The Bracketed Module takes most of the work out of installation. The user has only to decide how to interface this system with the Spray Nozzles, Reservoir or PowerPump and what type of Actuator to use.



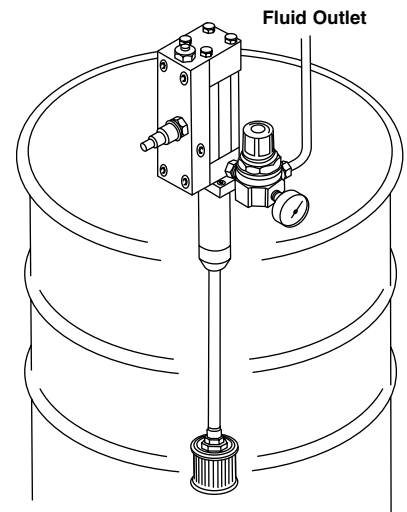
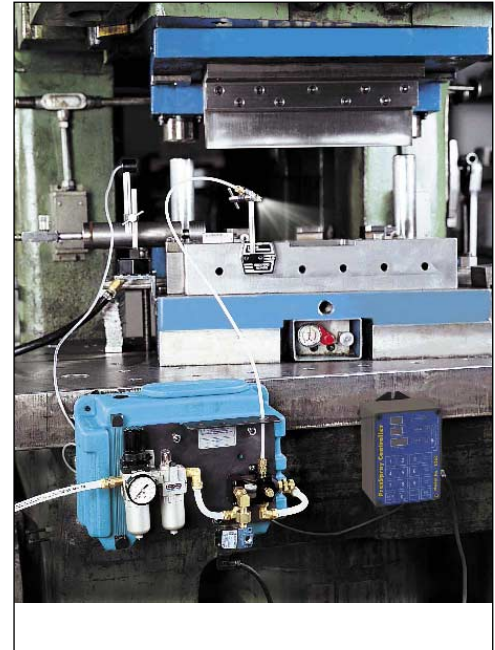
Bracketed Modules

All the PresSpray Ejectors, from the MicroSpray to the MacroSpray, are available as a Bracketed Module.

The two photos show Bracketed Modules being supplied with lubricant from reservoirs and PowerPumps.

BRACKETED MODULE SPECIFICATIONS

Module No.	Ejector No.	Manifold Outlets
P-700	P-010	1 Port
P-710	P-040	2 Port
P-720	P-125	4 Port
P-730	P-135	4 Port
P-750	P-175	4 Port



P-515 PowerPump

For those big jobs where a reservoir may be too small, the PowerPump can be used with any size container from a five gallon pail to a 330 gallon tote. Place the inlet hose into the container and attach a hose between the PowerPump outlet and the PresSpray inlet. Turn on the air to the PowerPump and once the system is bled, the PowerPump is ready to supply lubricant upon command. Activate the PresSpray and the PowerPump will automatically replenish any lubricant that has been dispensed by the PresSpray, always keeping it fully charged.

Reservoir Modules consist of a Bracketed Module (as shown on page 4) pre-mounted on a Reservoir. The Reservoirs are either free standing or bolted directly to a press. The long chain polyethylene construction stands up to abusive environments. The Modules are available in 1-1/2 gallon, 4 gallon, 8 gallon and 15 gallon reservoirs. After establishing the Reservoir Module, choose the actuating system and nozzles. Compact and portable, place it where you want and move it from machine to machine whenever needed. Take it out of the box and it is ready to go to work. Below are features of the Reservoir Modules.

Large Lid
Easy to fill and keeps contaminants out.

Bracketed Module

Matched to the proper size reservoir, the PresSpray becomes remarkably more efficient. Simply attach nozzle assemblies and actuating system and the Reservoir Modules are ready for operation.



Sight Gage
Provides instant indication of fluid level.

Lubricant Filter (internal)
Filters out any contaminants in the lubricant prior to being drawn in by the PresSpray.

Drain
Offers fast drainage when lubricant change is required.

PresSpray RESERVOIR MODULES

Module No.	PresSpray	Manifold	Gallons
P-716	P-040	2 Port	4
P-717	P-040	2 Port	8
P-723	P-125	4 Port	4
P-728	P-125	4 Port	8
P-735	P-135	4 Port	8
P-738	P-135	4 Port	15
P-775	P-175	4 Port	15

Feet
Provides stability to the reservoir to prevent rocking.

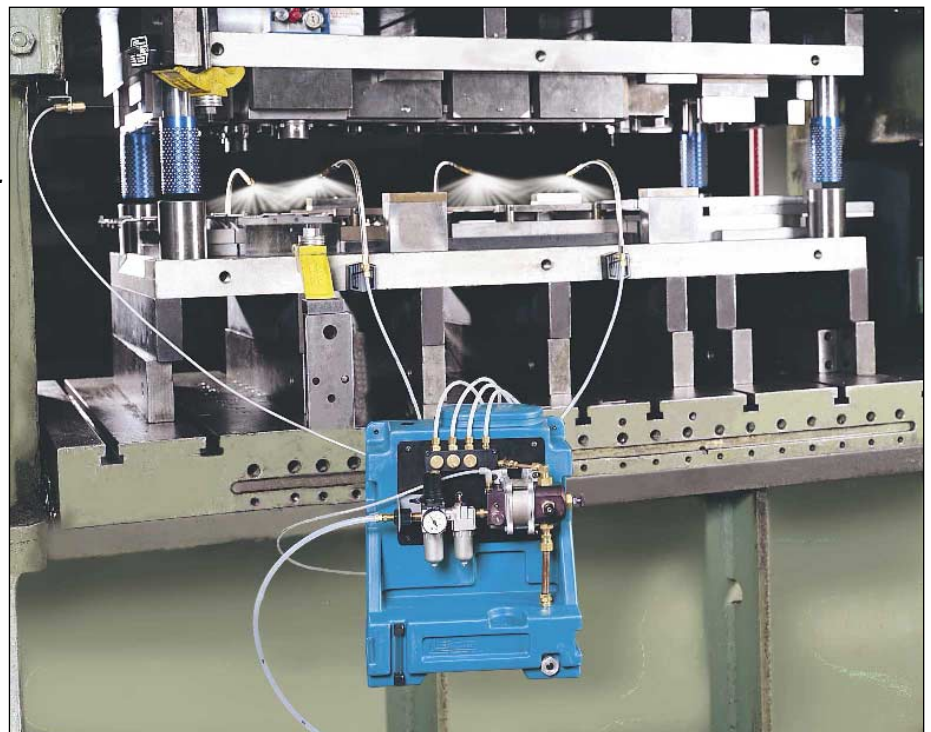
Please specify 1) Type of Nozzles
2) Length of nozzle tubing
3) Type of Actuator to complete the system.



P-708 MicroSpray RESERVOIR MODULES

Module	PresSpray	Manifold	Gallons
P-708	P-010	N/A	1-1/2

The P-708 includes nozzle and nozzle tubing. Order Actuator separately.



Actuators and Controllers

Mechanical and Electronic Options for Activating the System

Three basic actuators are available for cycling the PresSpray Ejector. The basic actuators consist of a mechanical actuator that triggers when a part of the press moves a whisker. A solenoid valve receives a signal from a limit switch and then activates the PresSpray. Or a pneumatic timer that works on a cycle unrelated to the stroke of the press. It actuates on a predetermined time cycle. Four feet of tubing tie the Actuating Systems to the Ejector. Choose whichever is best for your application.



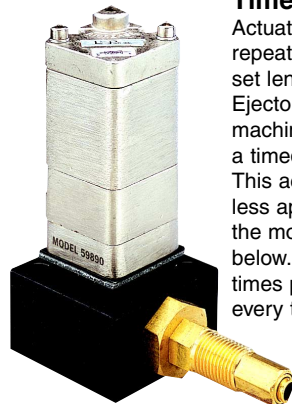
P-901 Mechanical Actuator with one way trip bracket

The Mechanical Actuator is totally air operated and requires no electrical hookup. A one-way trip bracket allows actuating of the PresSpray in just one direction of the press cycle. Actuator and trip bracket are easily adaptable to magnetic bases for quick setup and take down.



P-912 Solenoid Valve

Replacing the Mechanical Actuator with the P-912 Solenoid Valve, allows an electrical signal to actuate the PresSpray. Connect the solenoid valve into any programmable controller or to an electrical switch that can energize it when necessary. The PresSpray will cycle immediately when the solenoid valve energizes. It mounts directly on the UniValve or remotely, up to four feet away. **A standard P-912 Solenoid Valve is 110 volt. Alternative voltages are available upon request.**



P-908 Air Timer/Actuator

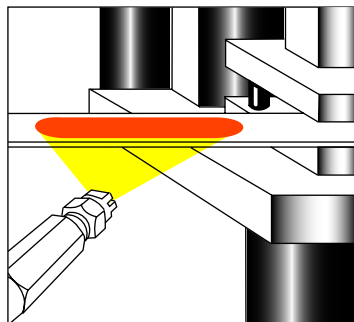
Actuates the Ejector at repeated time intervals of set length. It divorces the Ejector's operation from the machine's cycle and gives it a timed cycle of its own. This accessory has countless applications, one of the most prominent shown below. Operates from three times per second up to once every twenty minutes

Spray Sequence Using the P-908 Timer

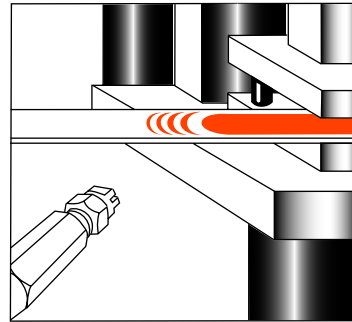
Timer Application

An application at a high cycle rate with very short stock progressions usually requires very little lubricant at each cycle. Instead of controlling the operation with a standard Actuator, (ejecting a tiny amount of lubricant at every stroke of the machine) a Timer/Actuator can be used. Larger ejections are applied to lengths of the stock in timed intervals that coincide with the progression of the stock into the machine.

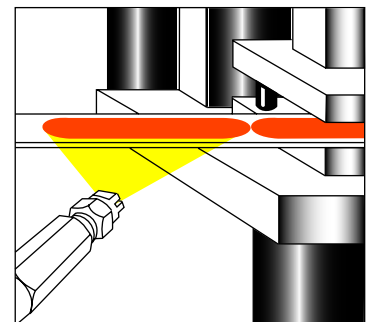
Using this method of actuation for such an application can give as good or better lubricant coverage with less consumption of both air and lubricant. Ejecting a larger quantity less often is more efficient and easier to control. The Spray Nozzles are easy to adjust for proper coverage.



1. Timer activates Ejector.



2. Timer waits as stock progresses into the machine.



3. At the proper time, another length is sprayed.



E-205 Pulsator Actuator

Sends multiple signals to the PresSpray on each cycle of the press. *The ideal choice for dies that require more than the normal amount of lubricant.*

- 1. Time Delay:** Determines how long a delay will transpire before the PresSpray will actuate after it receives its signal, from the controller.
- 2. Pulsator:** Gives the PresSpray one or multiple actuations on the cycle of the press.
- 3. Memory:** Allows the controller to memorize all of the settings on a given setup and assigns it a number so that it can be recalled the next time the same setup is run.

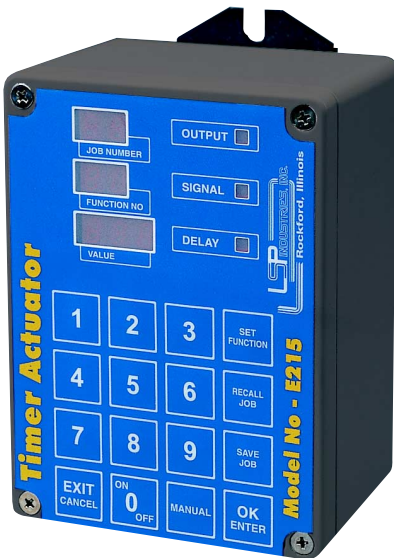


E-210 Counter Actuator

Counts cycles, and then sends a signal on a set count to actuate a PresSpray. *The ideal choice for high speed presses that require periodic lubrication.*

- 1. Time Delay:** Determines how long a delay will transpire before the PresSpray will actuate after it receives its signal, from the controller.
- 2. Counter:** Signals the PresSpray to actuate on any cycle of the press from one to ninety nine.
- 3. Memory:** Switch to the memory function, assign a number and save. Recall the number the next time the job is run and the PresSpray is ready for operation.

Four Electronic Controllers are available for actuating the PresSpray Ejectors. These controllers are completely self contained and require no additional parts or electrical work to install. Simply tab in the actuation cycle. It is not necessary to adjust and readjust a cam, switch or other tripping mechanism to synchronize the spraying of lubricant to coincide with the cycle of the press. A magnetic proximity switch receives a signal and activates the controllers. Once a job has been completed the controller has the ability to save the job to memory and can be easily recalled, thus saving valuable setup time.



E-215 Timer Actuator*

Sends repetitive split second signals to actuate the PresSpray. These signals are adjustable from one to ninety nine hours or as fast as 300 per minute. The timer is not tied into each cycle of the press but is tied into the on/off cycle of the press itself. An open ended cord is supplied and is used in place of the sensor. Attach this cord to an external switch that is activated and stays on for as long as the machine is running. When the switch is in the "ON" mode the Timer Actuator is on, when the switch is in the "OFF" mode the Timer Actuator is de-energized.

Also has a memory to save past jobs
For use on high speed presses, roll formers and other similar equipment.



E-200 Electronic Controller

The Ultimate PresSpray Controller, offers four individual controls in one electronic package, a Time Delay, a Pulsator, a Counter and a Memory function.

For those presses that need unlimited controllability in their lubricating options.

- 1. Time Delay:** Determines how long a delay will transpire before the PresSpray will actuate after it receives its signal, from the controller.
- 3. Counter:** Signals the PresSpray to actuate on any cycle of the press from one to ninety nine.
- 2. Pulsator:** Gives the PresSpray one or multiple actuations on the cycle of the press.
- 4. Memory:** Allows the controller to memorize all of the settings on a given setup and assigns it a number

Common features for all the Electronic Controllers

The Electronic Controllers include six feet of three wire electrical cord with plug to adapt to 110 V power. All the controllers (with the exception of the E-215 Electronic Timer)* include a magnetically activated Proximity Switch and six feet of cord as the standard sensor (magnet included). Six feet of cable connects the controller to a 12 volt solenoid that mounts directly to the Ejector for lightning fast responses.

*The E-215 Electronic Timer includes six feet of connector wire that attaches directly to a switch on

The PresSpray Nozzles

Spray Patterns, Applications and Accessories

Nozzles come in an assortment of spray patterns. Each has a Check Valve that prevents dripping of lubricant after it has been dispensed from the nozzle. Check valves built into the nozzle tip make for a short nozzle and are ideal when building the nozzles right into the die. Our standard checks are a little longer and provide an area to hold them with the P-925 Nozzle Bracket Holder. These standard nozzles are the most commonly used. FlexTubes and MagnaTubes extend the nozzles' flexibility. Twelve inches of flexible hose allow the user to position the nozzles close to the work area while locating the mounting back from the nozzle.

Basic Spray Nozzles

Comes complete with Check Valve and attaches to the supply line. Short length makes them ideal for use in tight areas. Use accessories for versatility. Mount on a P-925 Nozzle Bracket for permanent installations or attach



Basic Nozzles NPT

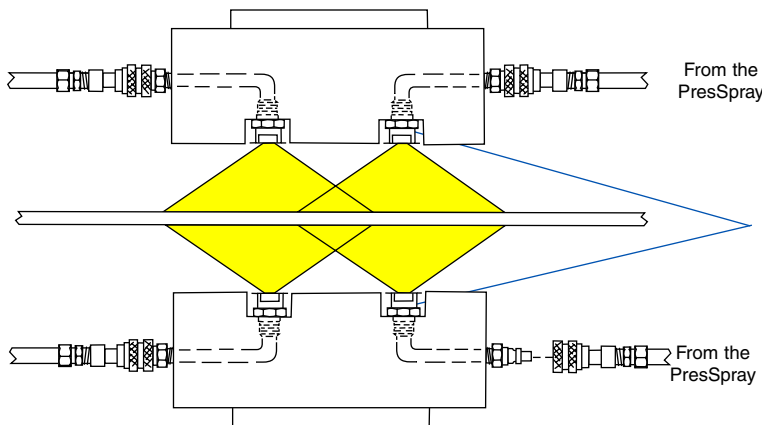
The same as the Basic Nozzles but with an 1/8 NPTM for fluid inlet adaptation instead of the 1/4" compression fitting. They attach directly to the P-926 Nozzle Extenders or extra length manifolds to give greater versatility to a nozzle installation.

FlexTubes

Consist of a spray nozzle attached to a 12 inch flexible tube. A 1/8 NPTM fitting is located on the tube for permanently installing the assembly in the desired location.



In-Die Nozzle Installation



MagnaTubes

Consist of a flexible tube mounted on a powerful magnet. It can be kept out of the way for setups, die changes, or maintenance problems then replaced as soon as you are ready to start the production run.



In-Die Nozzles (1/8 NPT)

Reduce setup time, increase production and extend tool life by building the spray nozzles into the die. Their permanent positioning pinpoints the lubricant where it is needed.

Quick Disconnects

The Male Plug adapts to the die. The Female Socket adapts to the tube going to the PresSpray. Shutoffs in both directions prevent dripping when Quick Disconnect is disengaged. When finished with a production run, disengage Quick Disconnect and remove the die. Install the new die and engage the Quick Disconnect and your setup is completed.

Type of Nozzles	Type of Spray Pattern Given by Nozzle							Drop Nozzle	110° Side Fan
	110° Fan	95° Fan	80° Fan	65° Fan	25° Fan	55° Round			
Basic Nozzles	P-201		P-202	P-203	P-205	P-207		P-209	
FlexTubes	P-211		P-212	P-213	P-215	P-217			
MagnaTubes	P-221		P-222	P-223	P-225	P-227			
In-Die Nozzle	P-241		P-242	P-243	P-245				
Basic Nozzles NPT	P-251		P-252	P-253	P-255	P-257		P-259	
MicroSpray Nozzles	P-230	P-232	P-233	P-234	P-235		P-236		



P-925 Nozzle Bracket Holder

Allows the nozzle to move up and down on a 5" long bar and rotates a full 360° for proper positioning. Adapts to a P-905 MagnaBase. The Bracket can be mounted vertically or horizontally on the magnet.



Offers easy placement, positioning or removal of the Spray Nozzle. It can also be used for mounting the Actuator Switch, the One Way Trip Bracket or the MicroSpray.



Two magnets give twice the strength of the P-905 MagnaBase.

Accessories add versatility to the nozzle setups. Use a Nozzle Bracket Holder to hold a Basic Spray Nozzle in place. The holder allows 360° positioning of the nozzle in any direction. The Swivel Bracket can be permanently positioned or attached to either of the MagnaBases. The magnetic bases speed up the positioning of the nozzles especially during die changes. When multiple nozzles are needed, the two port or four port manifold can be used. LSP High Pressure tubing will give the best spray pattern and is the only type of flexible tubing used on nozzle installations. Here are the accessories available for use with our nozzle assemblies.



P-922 & P-924 Manifold

Two or four port manifolds include on/off valves to control lubricant flow to the nozzles.



Expandafold®

A manifold system that allows the user to install a continuous row of nozzles on the ram, on the bed of the press. Special On/Off valves, (Expandavalves) are designed so that 1/8" pipe can be used to connect the valves together without the use of T-Adaptors or other fittings. Various nozzle assemblies can be attached to the valve and positioned for maximum efficiency. Nozzles not needed can easily be shut off on the Expandavalve. Only one line is necessary from the PresSpray to the manifold making for a very clean and efficient installation. **Order number of valves and length of pipe needed between each valve.**



High Pressure Tubing

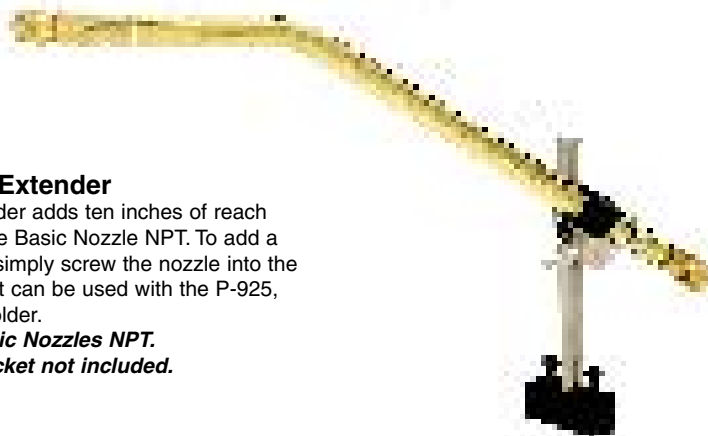
The only nonmetal tubing approved for use as a supply line to the nozzles. It is flexible enough for easy positioning, yet rigid enough to maintain a consistent spray pattern. Other plastic tubing will cause after-drip and give a poor inconsistent spray pattern.

P-940 for PresSpray units only
P-943 for MicroSpray units only

P-926 Nozzle Extender

The Nozzle Extender adds ten inches of reach and flexibility to the Basic Nozzle NPT. To add a Nozzle Extender, simply screw the nozzle into the Nozzle Extender. It can be used with the P-925, Nozzle Bracket Holder.

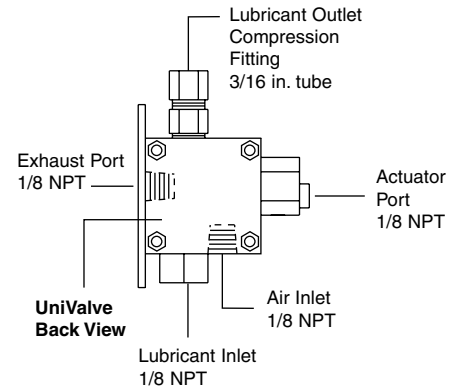
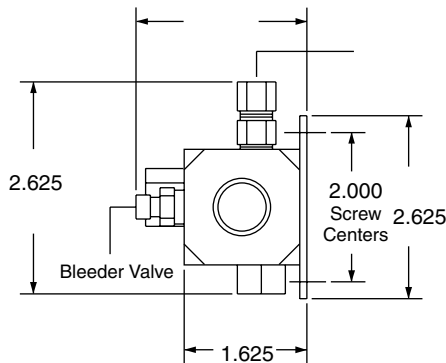
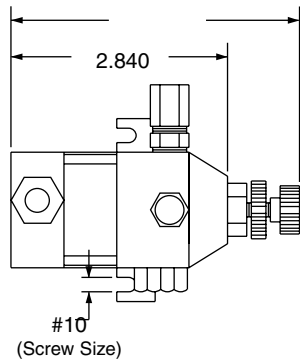
For use with Basic Nozzles NPT.
Nozzles and Bracket not included.



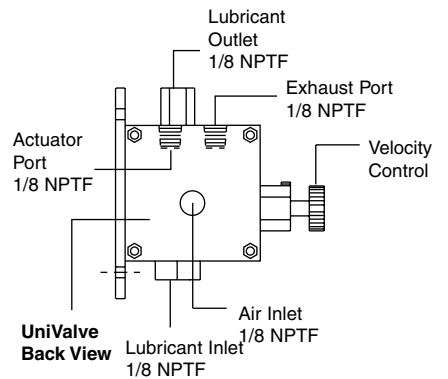
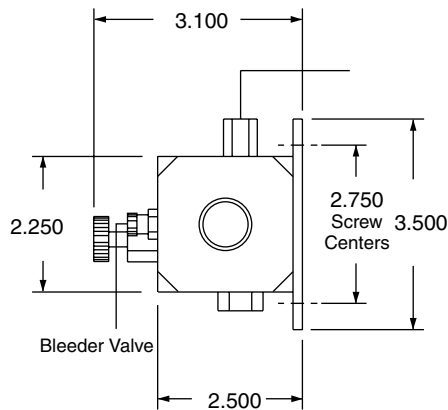
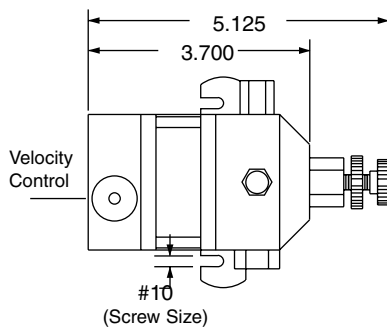
Specifications

For The PresSpray

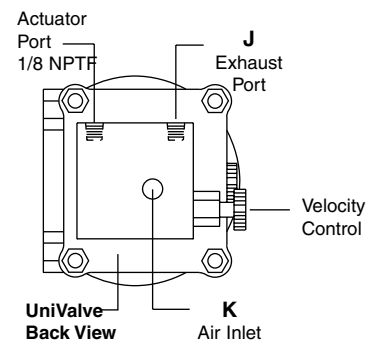
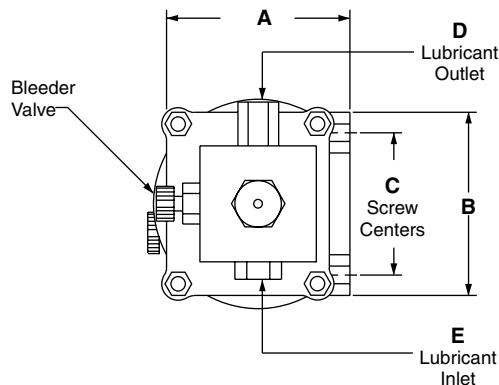
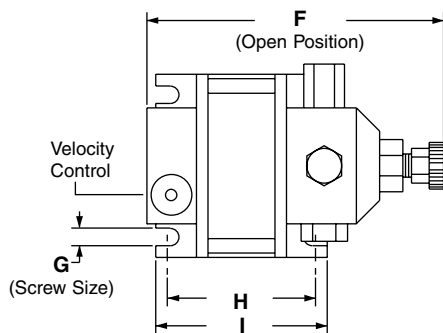
P-010 MicroSpray



P-040 MiniSpray



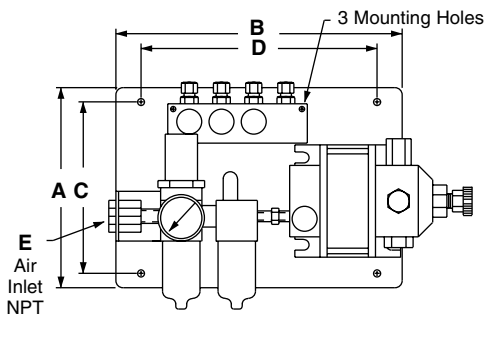
P-125, P-135 and P-175 PresSprays



Ejector Dimensions

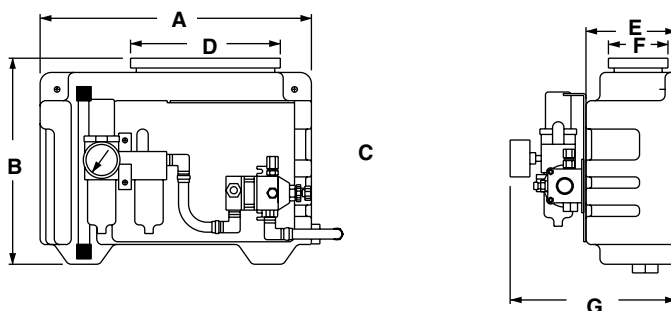
Model	Manifold	A	B	C	D	E	F	G	H	I	J	K
P-125	4 Port	4.00	4.10	3.062	1/4 NPTF	1/4 NPTF	6.70	.312	2.932	3.50	1/4 NPTF	1/4 NPTF
P-135	4 Port	5.50	5.00	3.75	1/4 NPTF	3/8 NPTF	9.50	.375	4.50	4.875	3/8 NPTF	3/8 NPTF
P-175	4 Port	6.00	6.00	4.612	1/4 NPTF	3/8 NPTF	10.825	.375	4.825	5.875	3/8 NPTF	1/2 NPTF

P-700 P-710, P-720, P-730 & P-750 Bracketed Modulares



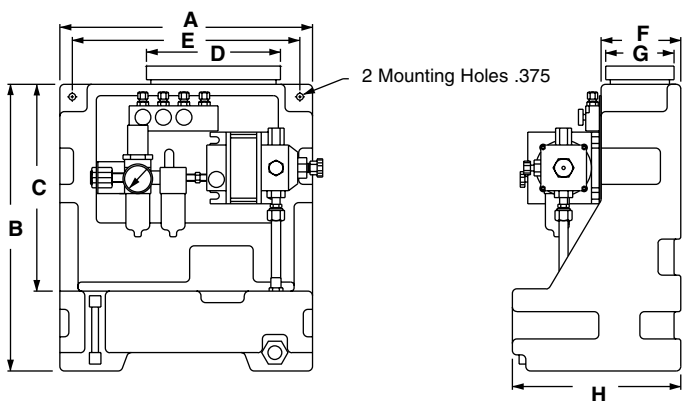
Bracketed Modular Dimensions								
Modular	PresSpray	Manifold	A	B	C	D	E	F
P-700	P-010	1 Port	5.75	7.25	5.00	4.75	1/4 NPT	3.10
P-710	P-040	2 Port	7.50	10.00	6.50	8.50	1/4 NPT	3.10
P-720	P-125	4 Port	7.50	10.00	6.50	8.50	1/4 NPT	4.10
P-730	P-135	4 Port	8.50	13.00	7.50	11.25	3/8 NPT	5.10
P-750	P-175	4 Port	13.00	14.50	11.75	12.50	1/2 NPT	6.10

P-708 Reservoir Modular



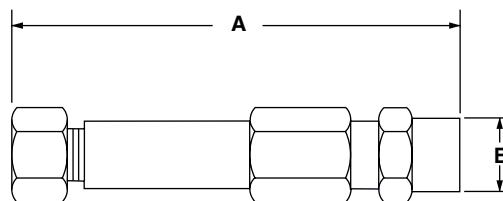
Reservoir Modular Dimensions									
Modular	PresSpray	Gallons	A	B	C	D	E	F	G
P-708	P-010	1-1/2	12.00	8.50	6.50	6.00	4.125	2.875	6.00

P-716, P-717, P-723, P-728, P-735, P-738 & P-775 Reservoir Modulares



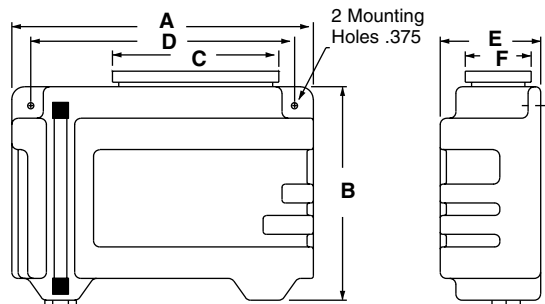
Reservoir Modular Dimensions										
Model	PresSpray	Gallons	A	B	C	D	E	F	G	H
P-716	P-040	4	14.00	16.00	11.50	4.375	12.50	4.50	4.50	8.75
P-717	P-040	8	18.00	19.00	14.00	4.875	16.00	5.00	5.00	9.25
P-723	P-125	4	14.00	16.00	11.50	4.375	12.50	4.50	4.50	8.75
P-728	P-125	8	18.00	19.00	14.00	4.875	16.00	5.00	5.00	9.25
P-735	P-135	8	18.00	19.00	14.00	4.875	16.00	5.00	5.00	9.25
P-738	P-135	8	18.00	19.00	14.00	4.875	16.00	5.00	5.00	9.25
P-775	P-175	15	20.25	22.50	14.50	11.50	N/A	6.75	6.00	11.50

PresSpray Nozzles



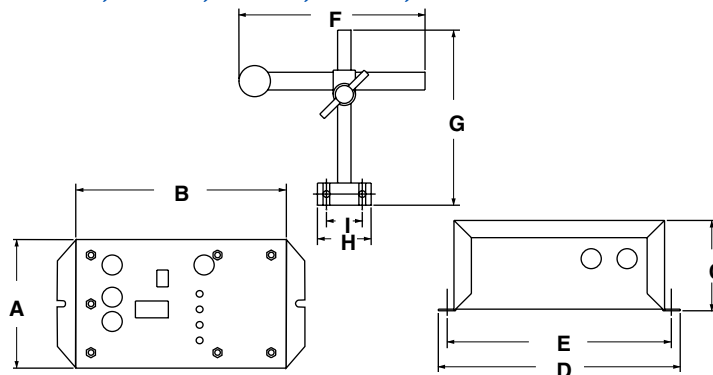
Nozzle Dimensions			
Model	Fluid Inlet	A	B
Basic Nozzles	1/4 Tube	2.375	.50
Basic Nozzles NPT	1/8 NPT	3.00	.50
FlexTube	1/4 Tube	12.00	.50
MagnaTube	1/4 Tube	12.00	.50
In-Die Nozzle	1/8 NPT	1.00	.50
<i>MicroSpray Nozzles</i>	<i>3/16 Tube</i>	<i>2.375</i>	<i>.50</i>

P-312 and P-315 Reservoirs



Reservoir Dimensions							
Modular	Gallons	A	B	C	D	E	F
P-312	1-1/2	12.00	8.50	6.00	10.50	4.125	2.875
P-315	5	17.50	14.00	7.50	14.00	6.50	3.50

E-100, E-105, E-110, E-115, E-120 Controllers



Controller Dimensions									
Model	A	B	C	D	E	F	G	H	I
All	3.625	5.875	2.625	6.875	6.375	5.375	5.250	1.50	1.10

Accessories

Convenience Items for the PresSpray Systems



P-312 1-1/2 gallon Reservoir

P-315 5 gallon Reservoir

Reservoirs include four feet of Outlet Tubing to connect to PresSpray Ejectors. A sight gage provides instant indication of fluid level and a lubricant filter prevents contaminants from entering the system.



SP-372 Hand Gun

For manual application of lubricant. The Hand Gun is used in conjunction with the E-100, E-105, or E-115 Electric Controllers.



P-301 1 quart Reservoir for MicroSpray

P-305 1 quart Reservoir with Magnetic Base

Includes four feet of outlet tubing to connect to MicroSpray Units.



P-930 PortaPlatform

Mount the PresSpray on a 15 gallon reservoir attached to the PortaPlatform for mobility.



E-150 Level Control for 1-1/2 gallon Reservoir

E-152 Level Control for 5 gallon Reservoir

E-155 Level Control for 4 gallon Reservoir

E-158 Level Control for 8 gallon Reservoir

E-165 Level Control for 15 gallon Reservoir

Activates a light when the lubricant level is low. Can also be tied in to shut off a machine.

Fittings and Tubing

Fluid Outlet Tubing

Cat. No.	Tube Size(OD)	Fluid Tubing
P-940	1/4"	Nylon (for all Ejectors except MicroSpray)
P-943	3/16"	Nylon (MicroSpray Only)
P-948	1/4"	Copper (for all Ejectors except MicroSpray)
P-949	3/16"	Copper (MicroSpray Only)

Airline Fittings

Cat. No.	Pipe Thd.	Tube(OD)	For Air Connection
P-951	1/8"	1/4"	to Ejectors P-010 - P-040
P-953	1/4"	3/8"	P-125
P-955	3/8"	1/2"	P-135
P-960	1/2"	3/4"	P-175

Air Line Tubing

Cat. No.	Tube Size(OD)	Air Tubing for
P-942	1/4"	P-010 - P-040
P-944	3/8"	P-125
P-946	1/2"	P-135 & P-175
M-902	3/16"	For Actuator Tube



COMPANY NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

CONTACT NAME _____ TITLE _____

TELEPHONE _____ FAX _____

1. Type of Stamping Operation

- BLANKING LIGHT FORMING PROGRESSIVE DIE
 DEEP DRAW OTHER _____

2. Type of Stock Feed

- BLANK (Hand Feed)
 COIL FEED (Length of Progression) _____
 OTHER _____

3. Stock

Maximum Width _____ Minimum Width _____
 Material Thickness _____ Material Type _____

4. Area of Coverage

- TOP ONLY BOTTOM ONLY TOP AND BOTTOM
 SINGLE PUNCH
 MULTIPLE PUNCHES
 OTHER _____

5. Lubricant Coating

- VERY THIN MEDIUM HEAVY

6. Lubricant

Brand Name _____

Viscosity _____

7. Actuating the Unit

- ELECTRONICALLY
 PNEUMATICALLY
 USE LSP CONTROLLER
 USE EXISTING PRESS CONTROL

8. Please describe any specific lubrication problems on your application.

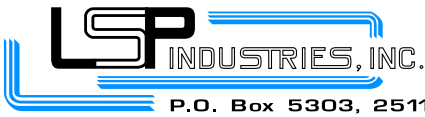
<i>Comparison Oil Viscosities</i>		
Approx. Centistokes @ 104° F	Approx. SUS @ 100° F	SAE GRADE EQUIV.
20	100	10
	125	
30	150	20
40	175	
	200	
50	250	
60	300	30
	350	
80	400	
	450	40
100	500	
	600	
	700	
150	800	50
	900	
200	1000	No SAE Crank- case Grade
	1200	
	1400	
300	1600	
	1800	
400	2000	
	2200	
500	2400	
	2600	
	2800	
600	3000	
	3200	
700	3400	
	3600	
800	3800	
	4000	



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