PressSpray I

No better airless spray design for die lubrication!

LSP® INDUSTRIES, INC.

The LSP PresSpray-I Ejector

The PresSpray-I automatically dispenses a predetermined amount of lubricant in an instantaneous airless spray in unison with the cycle of the press. The PresSpray-I Ejector draws lubricant into the system and then forcefully ejects it out of the Spray Nozzles in a fine airless spray. Set the desire volume of lubricant needed and that volume will be dispensed on each cycle of the press. Dies lubricated automatically will run longer and cooler and the press will run faster. The operator does not have to worry about die lubrication and devote his efforts to running the press. All of these features are standard on all PresSpray-I Ejectors.

Piston & Ram Assembly

Forces the lubricant out of the Nozzle under high pressure to achieve a fine airless spray to evenly coat the material. The ram is made of ground and polished stainless steel for extended life.

Air Cylinder

Made of Heavy wall aluminum tubing that is hard anodized for light weight and wear resistance for a long life.

Mounting Feet

All units have feet located on the end plate castings to accept mounting screws. Mounts to any flat surface for a permanent installation.

Bleeder Valve

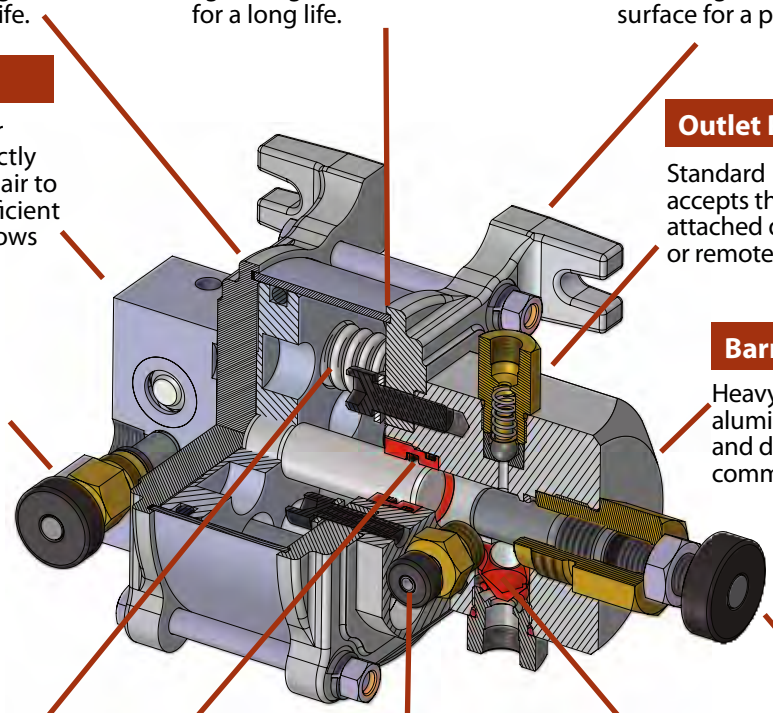
Three way air valve, properly sized for each PresSpray-I model. Located directly behind the piston and ram to deliver air to the PresSpray-I in the fastest most efficient method possible. A quick exhaust allows for fast recycling.

Outlet Port

Standard 1/8 NPTF out port accepts the LSP Manifold, to be attached direct to the PresSpray-I or remote from the PresSpray-I.

Velocity Control

Adjust the speed of the Piston to fine tune the force of the lubricant being sprayed. Eliminates overspray and bounce of very light lubricants.



Barrel

Heavy Duty, hard anodized aluminum. Accepts fluid in and dispenses it out upon command.

Spring Return Piston and Ram

Efficient and economical spring return of the piston & ram. Saves on air with lightning fast performance.

Gland Fitting

Encapsulates O-rings, separating the lubricant from the air in a brass gland. Securely threaded into the Barrel.

Bleeder Valve

Primes the Ejector at start-up or if the Reservoir runs dry during operation.

Inlet Check Valve

Allows immediate recharging of the unit between ejections. Check Valve with ample passage assures a full shot on each cycle of the unit.

Volume Control

Sets the precise amount of lubricant to be ejected. Simply adjust the thumb screw tightening the lock nut.

- **Reduces Lubricant Cost.**
- **Dispenses fine sprays in low volume.**
- **Reduces cleanup cost on the finished parts.**
- **Sprays either a drop, fan or round spray pattern.**
- **The PresSpray-I dispenses lubricant with each cycle of the press .**
- **Airless spray dispenses in heavy droplet to keep spray in confined area.**
- **Can use a LSP Computer to control which cycle of the press the Ejector will actuate.**
- **Because it can fast actuate, larger volumes of lubricant can be dispensed when needed.**

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.

PresSpray-I Ejectors to Dispense Fluids over Large Areas

Dispense small amounts or large amounts of lubricants with LSP PresSpray Ejectors . Each Ejector has its own unique features to make up the LSP Fluid Dispensing Systems. See how LSP Industries can solve your fluid application needs.

MicroSpray P0100

A unit that dispenses small quantities of lubricants to a single point. The ultimate in low volume control because it dispenses only .010 cu. in. at its maximum volume. The MicroSpray gives an ultra fine spray or a single drop upon command. Capable of actuating up to 700 actuations per minute.

MiniSpray P0400

Has four times the volume of the P0100. Normally used with one nozzle but is able to utilize up to four nozzles at one time depending on the viscosity of the lubricant. The use of additional nozzles allows the ability to lubricate different areas of the die.
Includes P932, 2 Port Manifold.

MytiSpray P1250

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 dispense up to ten nozzles when using water soluble lubricants. The volume can be reduced to .025 cu. in. without affecting the spray pattern.
Includes P934, 4 Port Manifold.

MegaSpray P1350

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 P934, 4 Port Manifold.

The Fluid Dispensing 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 Fluid Ejector to do the job.
The MicroSpray-II and the MiniSpray-II are similar in design and functionality. The MytiSpray,MegaSpray and MacroSpray are bigger units with one Ejector supplying fluid to a multitude of Nozzles. All Nozzles dispense at the same time with the same amount of fluid.

MacroSpray P1750

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 P924, 4 Port Manifold.

OIL VISCOSITY NUMBER OF NOZZLES								
Model	Water Soluble	100 SSU	250 SSU	400 SSU	800 SSU	1200 SSU	2000 SSU	2500 SSU
P0100	1	1	1	1	N/A	N/A	N/A	N/A
P0400	4	4	2	2	1	1	N/A	N/A
P1250	10	8	6	5	3	2	1	N/A
P1350	20	16	12	10	6	4	3	1
P1750	25	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.

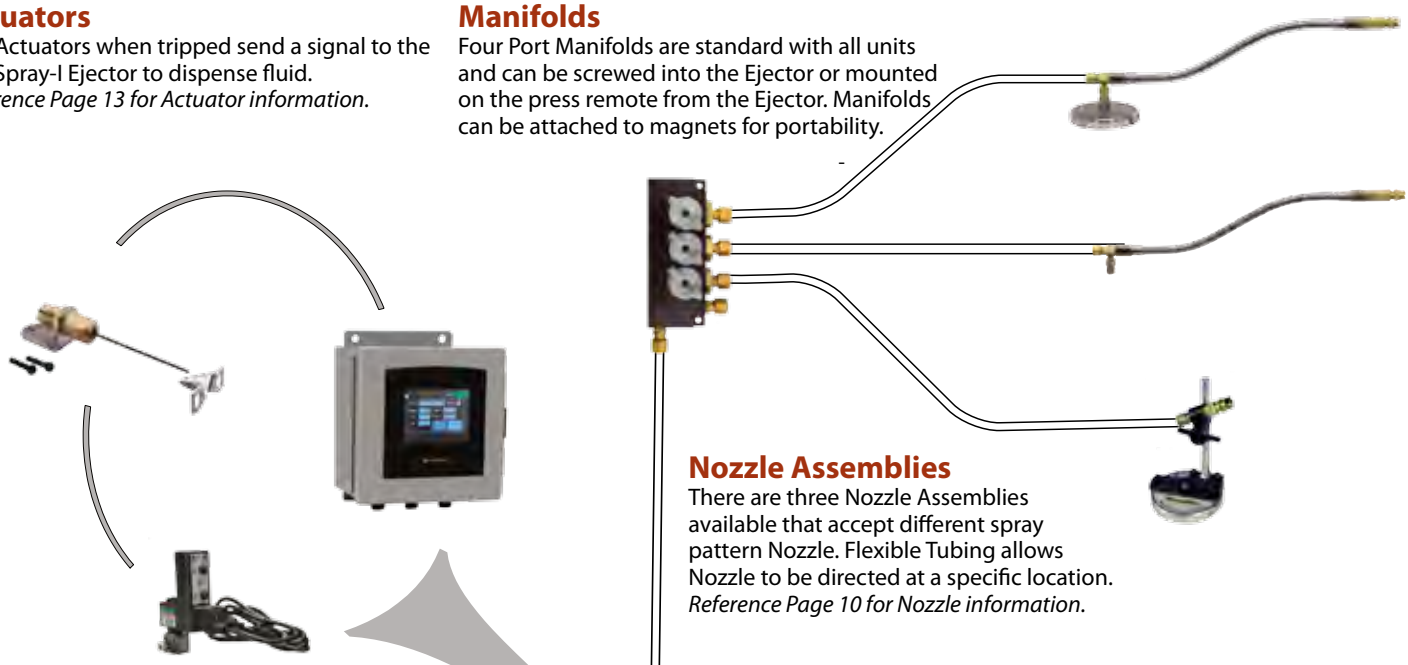
EJECTOR SPECIFICATION CHART			
Model No.	Volume per Cycle (cu. in.)	Strokes per Minute	Air Consumption per Cycle (600 PSI)
P0100	.000-.010	700	.00070 SCFM
P0400	.000-.040	450	.00341 SCFM
P1250	.025-.125	400	.01310 SCFM
P1350	.075-.375	325	.04714 SCFM
P1750	.150-.750	250	.10528 SCFM

This Is How It Works

The PresSpray-I Ejector is the HEART of the system. It dispenses lubricant out of Nozzles with sufficient force to break the lubricant into a fine airless Spray pattern.
Determining what options to specify depends on the number of Nozzles needed, viscosity of the lubricant, method of actuating it and how the lubricant is to be supplied.

Actuators
The Actuators when tripped send a signal to the PresSpray-I Ejector to dispense fluid.
Reference Page 13 for Actuator information.

Manifolds
Four Port Manifolds are standard with all units and can be screwed into the Ejector or mounted on the press remote from the Ejector. Manifolds can be attached to magnets for portability.



Nozzle Assemblies
There are three Nozzle Assemblies available that accept different spray pattern Nozzle. Flexible Tubing allows Nozzle to be directed at a specific location.
Reference Page 10 for Nozzle information.

Air Valve
Receives a signal from an Actuator, opens and allows air to fire the unit.

FRO
Filter regulates the air pressure and lubricates the unit.

Air In

Fluid Out

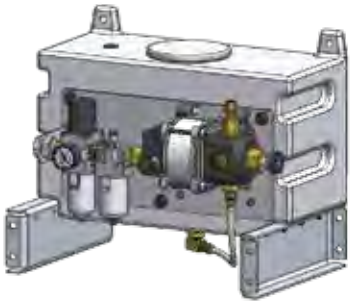
Ejector
Takes lubricant in and then dispenses it in an instantaneous airless spray to the work area.

Volume Control
Adjust the volume dispensed on each actuation.

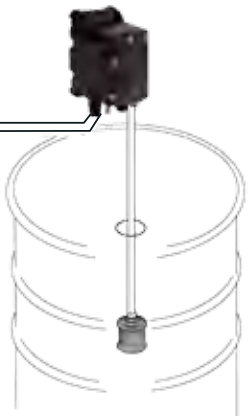
Fluid In

PresSpray-I on a Bracket
Includes a PresSpray-I, FRO with a standard Manifold. Supplied with lubricant from a gravity feed Reservoir or a Diaphragm Pump.

PresSpray-I on a Reservoir
PresSpray-I units also available mounted on Reservoirs. The Reservoir is translucent to offer a ready view of fluid level from all sides. Comes complete as shown. *Order Nozzles and Actuators separately.*
Reference: Page 10 & 11 for Nozzles and Page 12 for Actuators.



Diaphragm Pump
Can supply lubricant to the PresSpray-I from a remote Reservoir. Pump is only operational when the PresSpray-I is cycling. Convenient for larger applications.



PresSpray-I Modules

Bracketed Module

A Bracketed Module consists of a PresSpray Ejector and a group of components preassembled on a bracket in a single, compact module. For convenience, the PresSpray attaches to a Bracket that includes an Air Filter/Regulator/Oiler. A two or four port Manifold (the MicroSpray does not have a Manifold) is included with the Module. By installing the Manifolds down stream this greatly makes for a cleaner installation. 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.

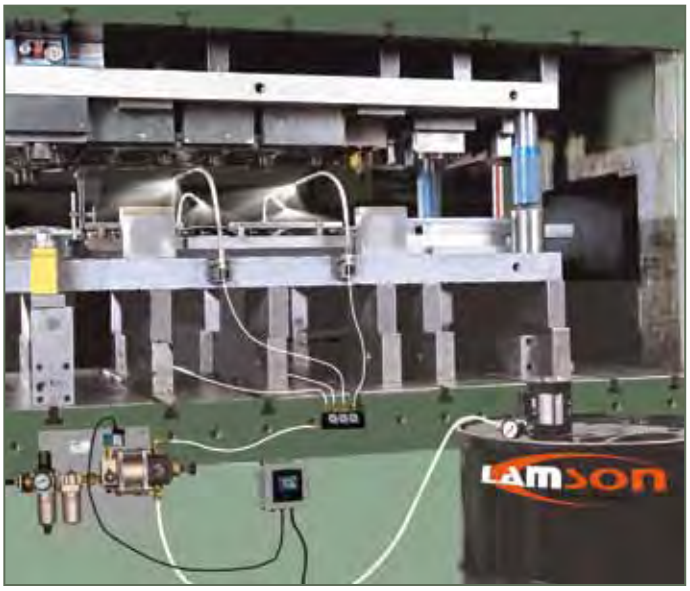
All the PresSpray Ejectors, from the MicroSpray to the MacroSpray, are available as a Bracketed Module. The two photos show Bracketed Modules being supplied with lubricant from reservoirs and PowerPumps.

Bracketed Modules

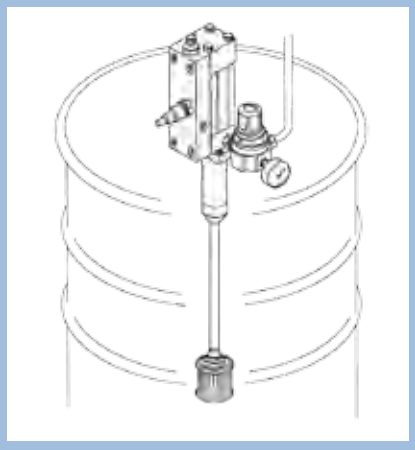
Module No.	Ejector No	Manifold Outlets
P7010	P0100	1 Port
P7040	P0400	2 Port
P7200	P1250	4 Port
P7300	P1350	4 Port
P7500	P1750	4 Port

Bracketed Modules, with the exception of the P7010, include Manifold and fittings to install either vertically or horizontal and 6' of tubing for installing the Manifold remote.

A P7300 PresSpray being feed from a 55 gallon drum
For large jobs or long runs it is sometimes convenient to supply lubricant from a large reservoir such as a drum



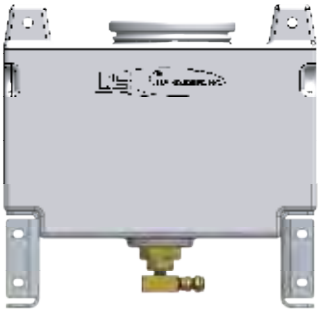
A MicroSpray Bracketed Module
The MicroSpray lubricating a small press with a single nozzle. The unit is actuated from a LSP Electronic Controller.
Since the application needs very little lubricant the controller is set to send a signal on every third cycle of the press.



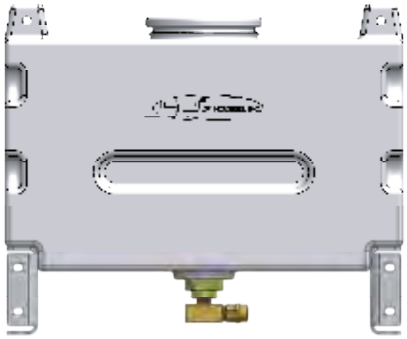
P515 PowerPump
The PowerPump can be used with any size container from a five gallon pail to a 30 gallon tote. Place the inlet hose into the container and attach a hose between the PowerPump outlet and the PresSpray inlet. Turn on the air to the PowerPump and once the system is bled, the PowerPump is 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.

Reservoirs and Pump for Gravity and Pressure Feed

P7101 a 1-1/2 Gallon Reservoir
A gravity feed Reservoir that for MicroSpray-II units. Has two feet for setting on horizontal surfaces or ears to secure it to vertical surfaces. Translucent in color to easily monitor fluid level during operation.



P7102 - 2-1/2 Gallon Reservoir
A compact 2-1/2 gallon Reservoir. Two ears to facilitate mounting of the Reservoir to a vertical surface. Clear in color, heavy duty with filter. Used only for gravity feed applications.



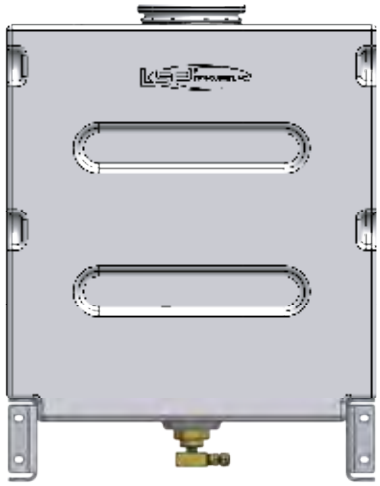
P7105 - 5 Gallon Reservoir
A medium size 5 gallon Reservoir. Two ears to facilitate mounting of the Reservoir to a vertical surface. Clear in color, heavy duty with filter. Used only for gravity feed applications.

The PresSpray-I units can be supplied with fluid by a number of means. Here we are showing four ways to supply fluid to the PresSpray-I from a remote location. Supplying fluid from a Gravity feed location allows the Ejectors to be placed closer to the work area thus reducing the length of tubing to the Nozzles and makes for a cleaner installation.

Our four Reservoirs are gravity feed reservoirs. They vary in size from two and a half gallons to ten gallons. The different sizes will accommodate the different size PresSpray-I Ejectors. Two feet support the reservoir and protect the outlet on the bottom of the Reservoir.

The last method of remote feeding is the P7310 Diaphragm Pump. Distance is no obstacle and the unit is capable of handling one or many PresSpray-I's.

There are many ways to supply the fluid, these are just a few. Other ways of supplying fluid are shown elsewhere in the catalog.



P7110 - 10 Gallon Reservoir
A large 10 gallon Reservoir. Two feet to support it on the table or a surface higher than the PresSpray-I for a gravity feed application . Clear in color, heavy duty with filter. Used only for gravity feed applications.

FC7310 - Diaphragm Pump
One pump is capable of supplying fluids to multiple PresSpray-I units. Comes with three feet of inlet tubing and filter.

PresSpray-I Units Mounted on Reservoirs

Reservoir Modules consist of a Bracketed Module (as shown on page 5) 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 2-1/2 gallon, 5 gallon, and 10 gallon Reservoirs. After establishing the Reservoir Module, choose the actuating system and nozzles. Determine if the Manifold is to be mounted on the Ejector or down stream. Compact and portable when carried on the LSP PortaCart. Allows the user to place it where wanted and yet move it from machine to machine when necessary. Remove from the box and it is ready to go to work.

P7510 Mounted on a 10 Gallon Reservoir
The P1750 MacroSpray on a Ten Gallon Reservoir. A big PresSpray-I on a big Reservoir for the big jobs. Includes the 4 port Manifold, and the FRO. Manifold can be attached to the PresSpray-I unit or located closer to the Nozzles.
Nozzles and Actuators are ordered separately.

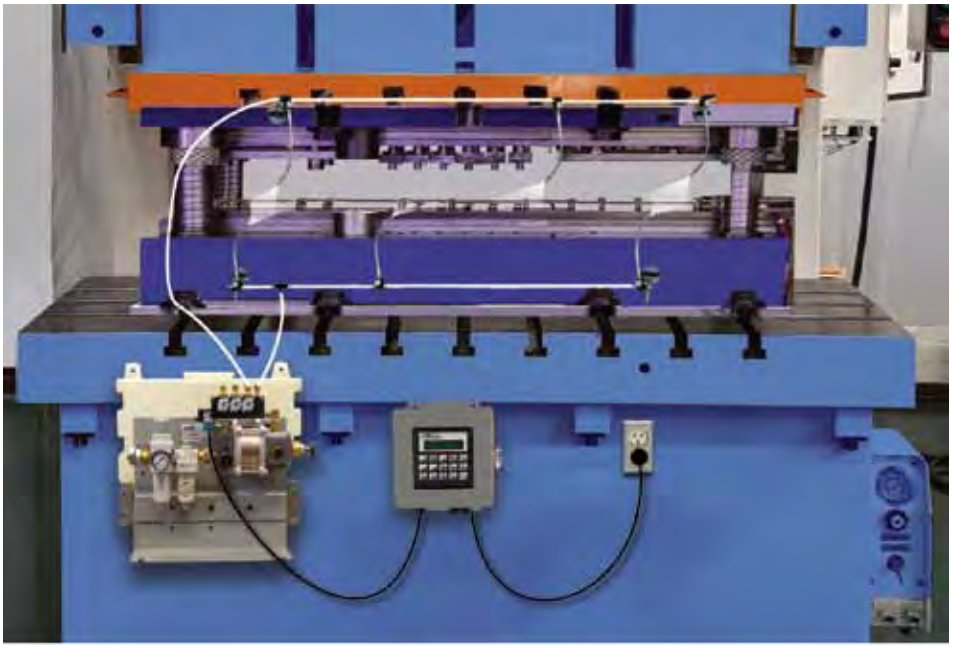
Bracketed Modules Mounted on Reservoirs Includes Reservoir, Ejector, four Port Manifold and FRO

PresSpray-I RESERVOIR Modules

Module No.	PresSpray-I	Manifold Outlets	Reservoir
P7011	P0100	N/A	1.5 Gallon
P7041	P0400	2 Port	1.5 Gallon
P7042	P0400	2 Port	2.5 Gallon
P7045	P0400	2 Port	5 Gallon
P7202	P1250	4 Port	2.5 Gallon
P7205	P1250	4 Port	5 Gallon
P7210	P1250	4 Port	10 Gallon
P7305	P1350	4 Port	5 Gallon
P7310	P1350	4 Port	10 Gallon
P7505	P1750	4 Port	5 Gallon
P7510	P1750	4 Port	10 Gallon

Due to the wide number of options the following components are to be ordered separately:
1) Nozzles, Reference Page 10
2) Actuator, Reference Page 12

P7505 with a P1750 PresSpray on a 5 Gallon Reservoir
The system is feeding multiple Nozzles. Installed so that the Nozzles do not interfere with the operators line of vision or of him servicing the die. Just two lines suppling six Nozzles. A compact system but highly efficient.
Nozzles and Actuators are ordered separately.



PresSpray-I Used on a Quick Change Reservoir

The Quick Change System allows for the quick changing of Reservoirs whenever the need occurs. If operations change and a different fluid is needed a fast change of Reservoirs is the answer rather than cleaning a Reservoir and using it again, or if wanting to keep a machine in operation without downtime a second Reservoir is always filled and ready for a fast switch to minimize downtime. Changeover is accomplished in seconds.

Round Snap-On Lid
Four and a half inches in diameter to allow for easy cleaning. A bag filter, filters any fluid that is put into the Reservoir.

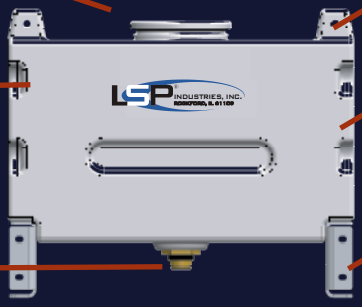
Handles
Recesses on either side of the Reservoir allows for easy lifting of the Reservoir when it has to be replaced.

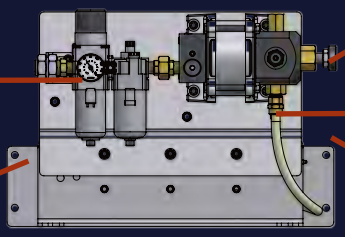
Male Quick Disconnect
Seals off fluid when the Reservoir is removed from the frame and opens up when reconnected to Quick Disconnect on the Frame.

Filter Regulator Oiler
Mounted on the Frame

Metal Frames
Has ears to mount to a wall or a base that free stands on the floor.

P8102 2-1/2 Gallon Reservoir
P8105 5 Gallon Reservoir
P8110 10 Gallon Reservoir





Mounting Brackets
Allows the mounting of the Quick Change Reservoir to a vertical surface when applicable. Designed to last.

Reservoir
A clear rectangular Reservoir that offers a visual view of the fluid level from all sides. Heavy Duty Chemical resistant long chain Polyethylene Plastic.

Two Feet
Two feet protect the Quick Change Fitting when setting the Reservoir on the floor while waiting to be attached to the Frame with the PressSpray-I.

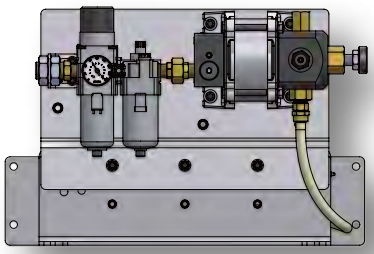
Ejectors
are factory installed on the Frame and the Frame accepts the chosen Reservoir to mate with it.

Female Quick Disconnect (Not Shown)
Located in the Frame it carries the fluid to the inlet on the PresSpray-I unit.

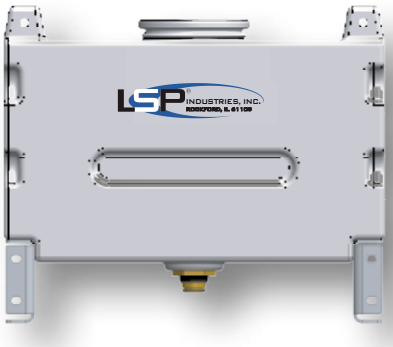
Two Spring Loaded Locking Pins
(Not Shown)
Locks the Reservoir to the Frame. Twist the Reservoir and Reservoir is disconnected from the Frame. Set the Reservoir down into the Female Quick Disconnect and it is locked to the Frame.

* Ten gallon Reservoir filled will weigh 80 pounds. Because of lifting this weight it is recommended that it be filled only half way prior to inserting it into the Frame and then filled the remainder of the way.
The PortaCart is recommended for the 10 gallon Reservoir

The System eliminates cleaning the reservoir when frequently changing fluids
Have designated Reservoir ready and drop it into place when needed.



1. The PresSpray-I is mounted on a metal Frame that has a female quick disconnect to accept fluid from the reservoir as needed. Dual Spring Loaded Locking Pins hold the Reservoir to the Frame.

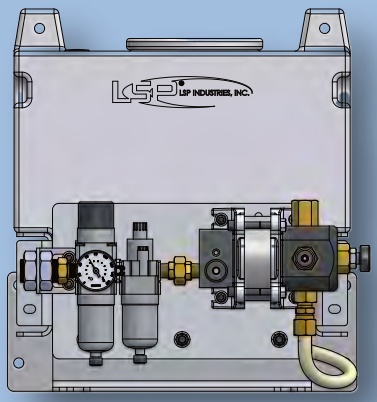


2. A Reservoir standing on two feet, filled with fluid, ready to be attached to the PresSpray-I on a Frame. Just insert male quick disconnect into mating part located on the Frame. Press the Reservoir down to finalize the connection.

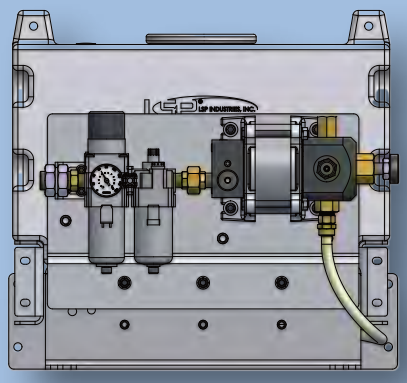
3. Reservoir and frame with the PresSpray-I is now locked in place and ready to use. No Valves to forget to open or close, just turn on the machine and start to run.
Could it be any easier?

Ejectors on Frames Adaptable to Quick Change Reservoirs

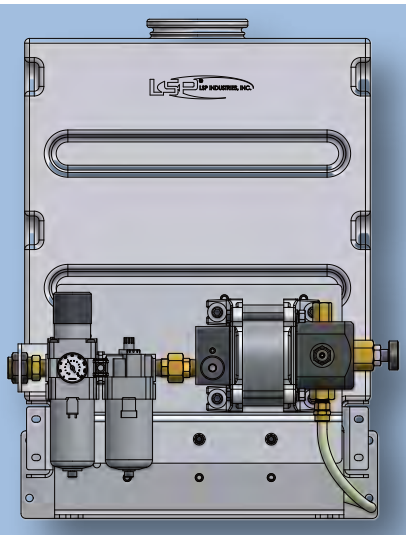
Available in 2-1/2 gallon, 5 gallon and 10 gallon Reservoir. Choose the type of Ejector needed, the Actuator of choice and the Nozzle Assembly that best fits the application for a Quick Change System.



P8202
P1250 on a 2-1/2 Gallon Quick Change Reservoir



P8305
P1350 on a 5 Gallon Quick Change Reservoir



P8710
P1750 on a 10 Gallon Quick Change Reservoir

Shown above are three examples of the different size Quick Change Reservoirs with PresSpray-I units that comprise the Quick Change System. The chart below shows the PresSpray-I units available with the various size Quick Change Reservoirs. The Quick Change Reservoirs stand on metal feet so that the Reservoir protects the quick disconnect feature that facilitates the rapid change of Reservoirs. Comes with a Quick Change fitting for easy matting of the Reservoir to the PresSpray-I Unit. Includes a large Filter Bag to keep the fluid clean.
Reference: Page 10 & 11 for choice of Nozzles and Page 12 for choice of Actuators.

Ejector	On a 2-1/2 Gallon Reservoir	On a 5 Gallon Reservoir	On a 10 Gallon Reservoir
P0400	P8042	P8045	N/A
P1250	P8202	P8205	P8210
P1350	N/A	P8305	P8310
P1750	N/A	P8705	P8710

P8305
P1350 PresSpray-I with Quick Change Reservoir
Ejector shown on a 5 gallon Quick Change Reservoir on a PortaCart. The PortaCart keeps the unit at a convenient height plus offers ease of moving the system from one location to another should the need arise.

Nozzles & Nozzle Holders - PresSpray

Nozzle Holders are slim in design and flexible to allow the user to direct the spray exactly where needed. Then Nozzle Holders can be permanently positioned or mounted on a magnet to make them portable and easily repositioned as needed.

12" MagnaTube Standard for Larger PresSpray units	
Part No.	Nozzle Tip
P221	110° Fan
P222	80° Fan
P223	65° Fan
P225	25° Fan
P227	55° Round

COMPACT Nozzle w/1/4" Compression Fitting, Use with P925 Compact Nozzle Holder, For Larger PresSpray ONLY	
Part No.	Nozzle Tip
P201	110° Fan
P202	80° Fan
P203	65° Fan
P205	25° Fan
P207	55° Round

12" FlexTube Standard for Larger PresSpray units	
Part No.	Nozzle Tip
P211	110° Fan
P212	80° Fan
P213	65° Fan
P215	25° Fan
P217	55° Round

COMPACT Nozzles with 1/8 NPTM for all other PresSpray	
Part No.	Nozzle Tip
P251	110° Fan
P252	80° Fan
P253	65° Fan
P255	25° Fan
P257	55° Round

P925
Compact Nozzle Holder. Includes Magnetic Base and Swivel, on a Six inch Post.
P905 Magnetic Base Only

Tubing to the Nozzle

LSP Heavy Wall Tubing is the only tubing recommended from the Ejector to the Nozzle. Tubing is available in per foot measurements. LSP Tubing ensures a sharp spray dispersement and eliminates after-drip.
P940 1/4" tubing for all other PresSpray units

Nozzles & Nozzle Holders - MicroSpray

Nozzle Holders are slim in design and flexible to allow the user to direct the spray exactly where needed. Then Nozzle Holders can be permanently positioned or mounted on a magnet to make them portable and easily repositioned as needed.

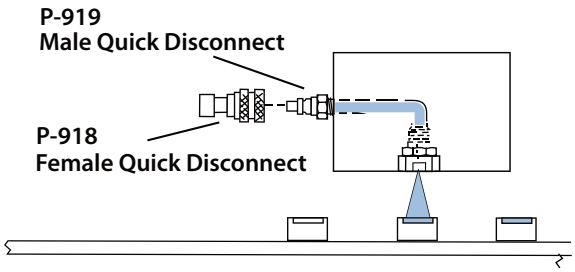
P925
Compact Nozzle Holder. Includes Magnetic Base and Swivel, on a Six inch Post.
P905 Magnetic Base Only

Compact Nozzles with 3/16" Compression Fitting for the MicroSpray	
Part No.	**Nozzle Tip**
P5011	110° Fan
P5012	80° Fan
P5013	65° Fan
P5015	25° Fan
P5016	55° Drop

Tubing to the Nozzle

LSP Heavy Wall Tubing is the only tubing recommended from the Ejector to the Nozzle. Tubing is available in per foot measurements. LSP Tubing ensures a sharp spray dispersement and eliminates after-drip.
P943 3/16" tubing for the MicroSpray only

In-Die Nozzles

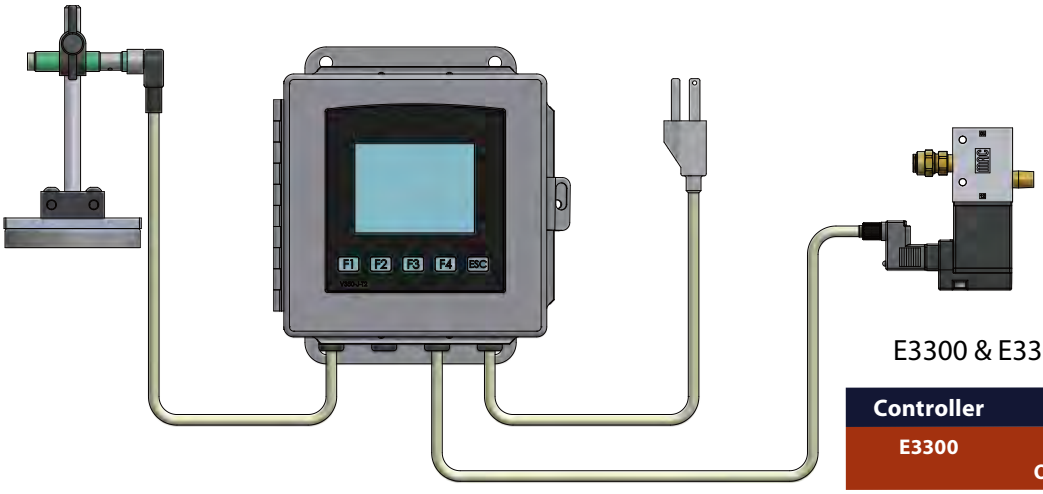


In-Die Nozzle with Built-In Check Valve

In-Die Nozzles with Built in Nozzles and 1/8 NPTM	
Part No.	**Nozzle Tip**
P241	110° Fan
P242	80° Fan
P243	65° Fan
P245	25° Fan
P246	55° Drop

LSP Electronic Controller

Controls the actuation of each LSP Ejector. The Controller receives a signal from a Proximity Sensor and then activates the Ejectors to dispense fluid at the prearranged time during the cycle of the machine.



E3300 & E3302 LSP Electronic Controllers

Controller	Contents
E3300	One Proximity Input Sensor One Output for one to twelve Solenoids
E3302	One Proximity Input Sensor Two Outputs for one to twelve Solenoids

Reference: Solenoid Manifolds are ordered separately.

E3300 LSP Electronic Control Features

Consist of a Computer, Touch Screen, Solenoid Valve and Proximity Sensor

- Touch Screen: Visually set the parameters of the program.
- Time Delay: Determines how long a delay will transpire before activating the Ejector after a signal is received.
- Pulsator: Gives the Ejector multiple actuations per cycle of the machine.
- Counter: The Ejector can activate on any cycle of a machine from 1 - 99.
- Memory: Switch to the memory function, assign a number and save. Recall the number the next time the job is run and the Ejector is ready for operation. Memory can save up to 99 jobs

E3315 Electronic Timer

Sends repetitive split second signals to actuate the Ejectors. These signals are adjustable from one to ninety nine hours or as fast as 300 cycles per minute. The timer is tied into the on/off cycle of the machine. An open ended cord can be used in place of the sensor. Attach this cord to an external switch that is activated 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
Actuator is in the rest mode.
Also has a memory to save past jobs.
Best applications are high speed presses, roll formers and other similar equipment.

Choose the Correct Actuator for the Job

Each Ejector comes with an attached air valve that is actuated with one of the four Actuators shown here.

The LSP Electronic Controller delivers multiple actuations on different cycles of the press when programmed.

The **Mechanical Actuator** can operate five feet from the Ejector and can be mounted on a magnet.

The **Electric Timer** operates independent of the cycle of the press on a repetitive cycle.

The **Solenoids** actuate every time they receive an electrical impulse.

Mechanical Actuator

P901 Mechanical Actuator
Sets up to 5 feet away from the Ejector and close to a moving part of the press. The moving part moves the wand on each cycle of the press causing the Mechanical Actuator to actuate the PresSpray and deliver lubricant to the die.

Electric Timer & Valve

P3056 Electric Timer
The Electric Timer is best used on constant feeds like Roll Formers or Slitting applications. The Timers activate the Ejectors from once a minute to 120 cycles per minute. The adjustments are in intervals of .25 seconds to one minute for on and off time per cycle.

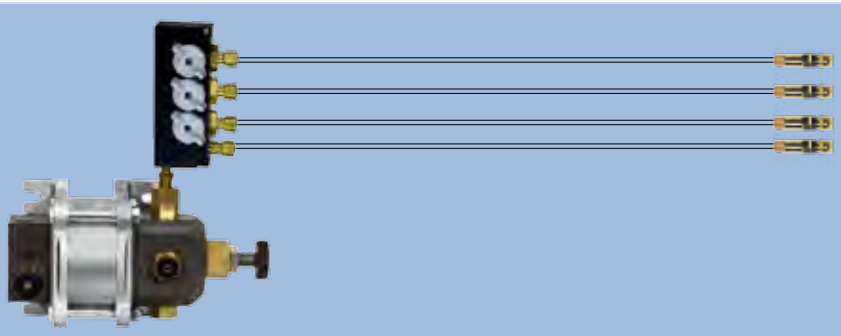
Solenoid Valve

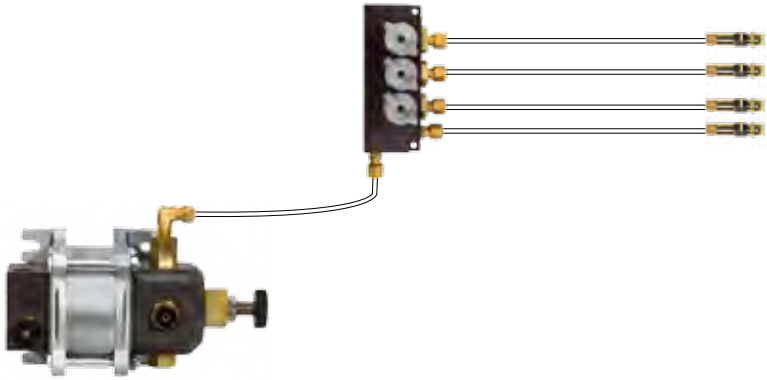
P230 24 V Solenoid and P912 110 V Solenoid
The Solenoid Valve is actuated when it receives an electrical signal from a controller. Connect the Solenoid to an electric switch that can energize it when necessary.

Creating Nozzle Distribution Systems

The PresSpray-I offers a variety of ways to locate Nozzles in a press to offer maximum spray coverage of the die or stock while allowing for the cleanest installation possible. Locate where the Nozzles are to be positioned to determine if the distribution Manifold is to be mounted on the PresSpray-I or downstream on the press.

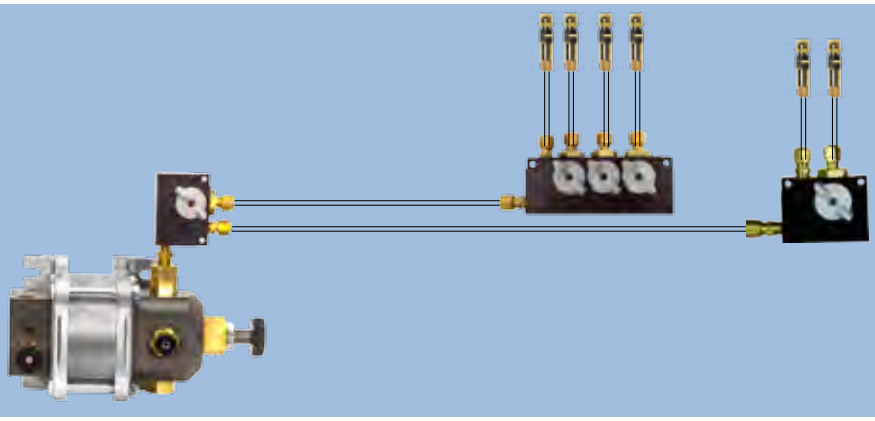
Manifold Attached to the PresSpray-I
Two port, four port or larger Manifold can be attached directly to the PresSpray-I and Nozzle extended from there to the work area.

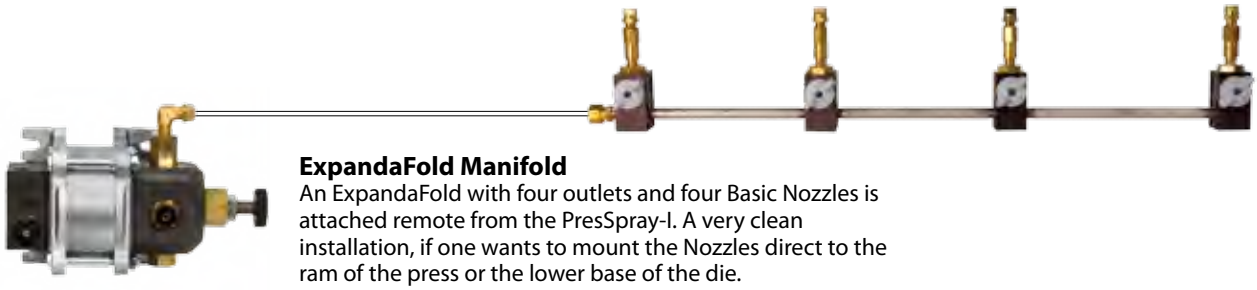




Manifold Remote from the PresSpray-I
A single Manifold either two port, four port or a special Manifold can be attached remote from the PresSpray-I.

Multiple Remote Manifolds
More than one remote Manifold can be used with the PresSpray-I. A two port or four port Manifold is attached to the PresSpray-I. Tubing is run from that Manifold to the remote Manifolds.

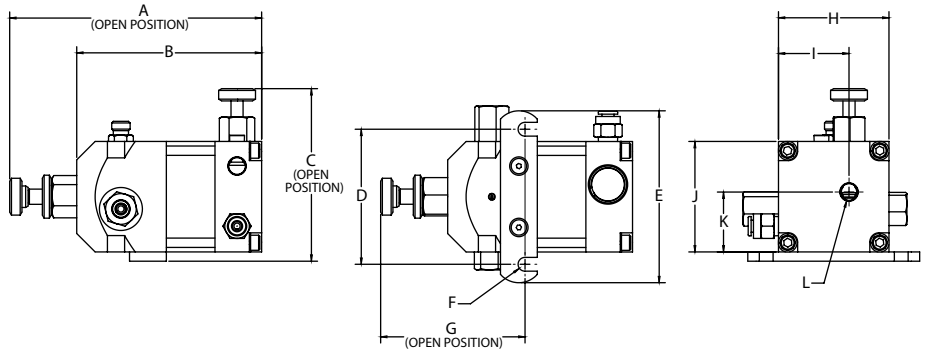




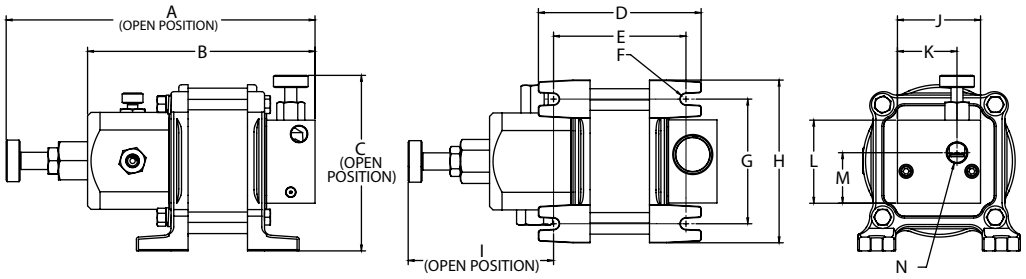
ExpandaFold Manifold
An ExpandaFold with four outlets and four Basic Nozzles is attached remote from the PresSpray-I. A very clean installation, if one wants to mount the Nozzles direct to the ram of the press or the lower base of the die.

Six Port ExpandaFold

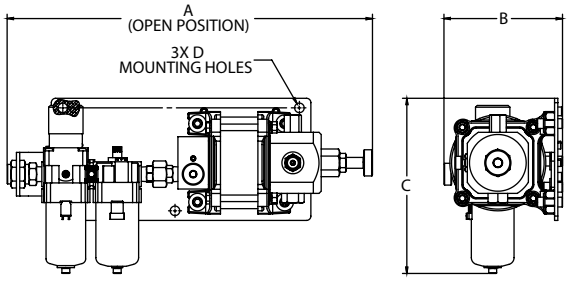
Dimensions



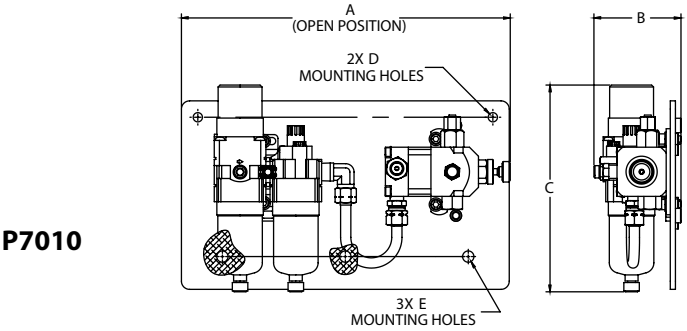
UNIT	A	B	C	D	E	Dia. F	G	H	I	J	K	L
P0100	3.819	2.850	2.330	2.000	2.625	0.203	2.269	1.500	N/A	1.500	N/A	N/A
P0400	5.130	3.765	3.513	2.750	3.500	0.281	2.940	2.250	1.437	2.250	1.220	1/8-27 NPT



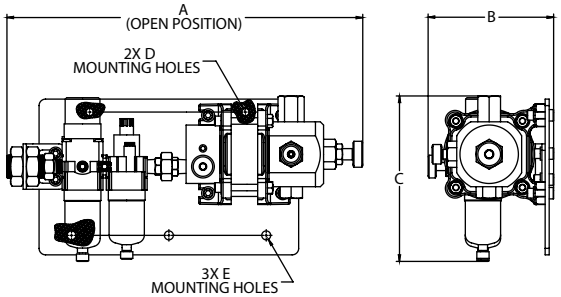
UNIT	A	B	C	D	E	Dia. F	G	H	I	J	K	L	M	N
P1250	6.806	5.296	4.508	3.520	2.800	0.280	3.000	3.847	3.158	2.250	2.230	2.230	1.355	1/4-818 NPT
P1350	9.285	6.881	5.518	4.953	4.047	0.355	3.747	5.045	4.347	2.750	2.730	2.730	1.620	3/8-18 NPT
P1750	11.149	8.211	6.337	5.875	4.781	0.406	4.500	5.873	5.248	3.000	3.000	3.000	1.825	1/2-14 NPT



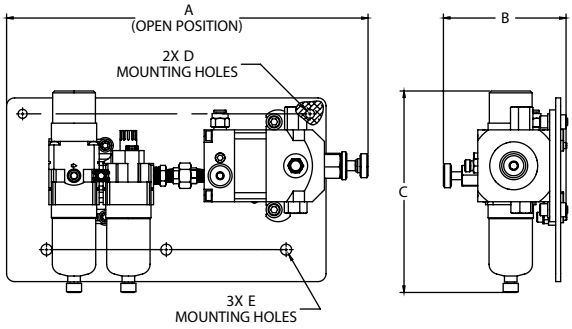
P7300
P7500



P7010



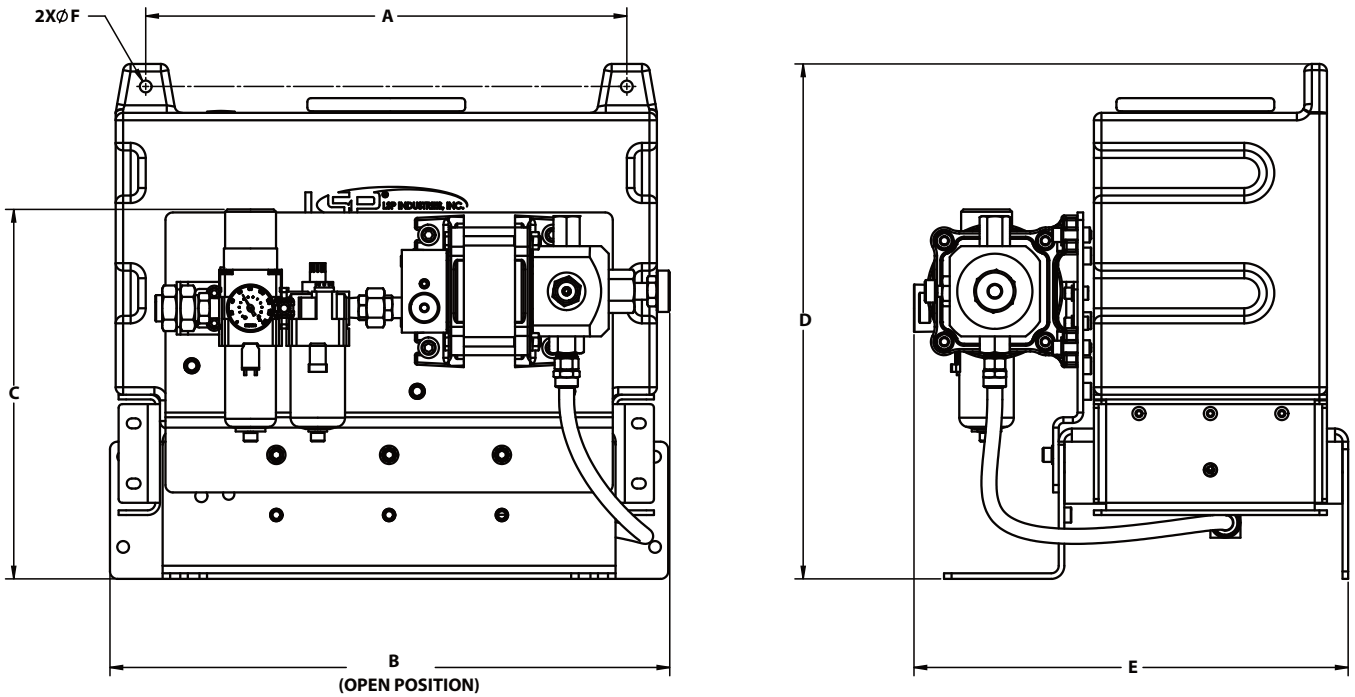
P7200



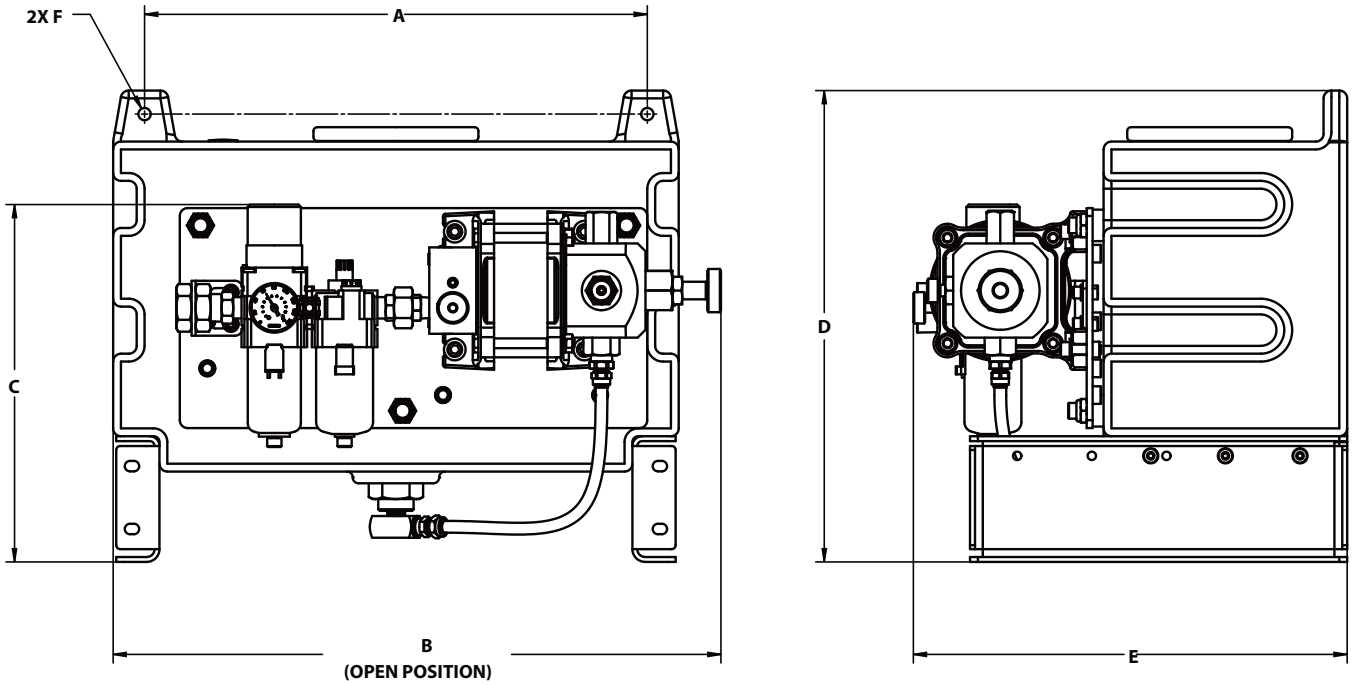
P7040

Frame with PresSpray	PresSpray	A	B	C	D	E
P7200	P1250	13.710	4.835	6.375	0.281	0.344
P7300	P1350	17.435	5.975	7.720	0.547	N/A
P7500	P1750	20.940	6.795	10.040	0.547	N/A

Part Number	PresSpray	A	B	C	D	E
P7010	P0100	10.031	2.656	6.307	0.281	0.344
P7040	P0400	11.315	3.839	6.307	0.281	0.344



Part Number	A	B	C	D	E	F
P8202	11.000	14.210	7.250	14.750	13.375	0.390
P8305	16.000	18.990	12.188	17.125	14.440	0.390
P8710	N/A	20.949	12.188	26.000	15.225	N/A



Part Number	A	B	C	D	E	F
P7202	11.000	13.995	8.875	12.625	11.665	0.390
P7305	16.000	19.345	11.260	15.000	13.805	0.390
P7510	N/A	20.940	13.725	23.875	14.625	N/A

Accessories

P931 PortaCart
Mount the PresSpray-I on Reservoirs and transport on the PortaCart.

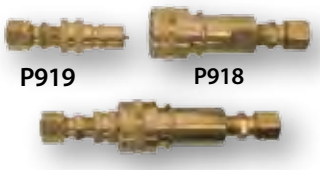
P9034 Magnetic Level & Cable for 1-1/2 & 2-1/2 Gal. Res.
P9035 Magnetic Level & Cable for 5 Gal. Res.
P9036 Magnetic Level & Cable for 10 Gal. Res.
Can attach directly to the LSP Electronic Controller.

P9030 Level Control, 1-2/2 & 2-1/2 Gallon
P9031 Level Control, 5 Gallon
P9032 Level Control 10 Gallon
Activates a light when the lubricant level is low.

Manifolds
P932 Two Port Manifold
P934 Four Port Manifold
For use on the PresSpray-I to convert them from a single outlet unit to a two or four outlet system.

A P905 MagnaBase, Holds the Rod & Swivel Bracket and the One Way Trip Bracket.
B P9008 Rod, Magnetic Base & Swivel Bracket

P9024
ExpandaValve
ExpandaValves tied together with tie rods create a compact manifold. Unlimited number of valves can be combined to create a Manifold.
Can be used in place of the Four Port Manifold.
Reference the ExpandaFold catalog for applications to create unique manifolds.



Quick Disconnect
Attach Nozzles to the Ejector. Allows leaving Nozzles with dies when stamping is done. New die with Nozzles inserted can be can be attached with the Quick Disconnect.

V911
Union 1/8 NPTM X 1/8 NPTM
For easy connecting and disconnecting various components.

LSP® INDUSTRIES, INC.
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