

# Spray Equipment Specialists









# **A WIDE RANGE OF PRODUCTS:**

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## **HVLP TURBINE SYSTEMS**











superior pattern for fine finishes

HVLP portable spray systems are perfect for furniture finishing, auto body shops, metal fab shops, contractors, and hobbyists. Their High Volume and Low Pressure means high transfer efficiency. This efficiency can reach as high as 90% which results in material savings, and healthier working environment!

Materials which can be sprayed include varnish, urethane, lacquer, automotive paint, epoxy, enamel, stain, latex, oil base, multi colour etc.

The high quality turbine delivers warm dry air which eliminates oil and humidity related problems. All Lemmer HVLP units feature a large surface filter which is easily removed for cleaning. Each model has a unique combination of high tech noise suppression materials to ensure a quiet running machine.

Lemmer HVLP systems feature commercial duty, metal body guns with a stainless steel needle and seat for maximum durability. Every system is supplied with a general purpose nozzle for thin materials such as varnish, stain, and enamels (latex and oil base require some extra thinning). Other sizes are available for specific applications.

1) T-55Q. An excellent unit for occasional work or as a starter kit. Its quiet 2 stage turbine provides dry warm air to the A712 bleeder type gun.

Specifications:	
Amps @ 115 V	8
PSI - sealed	
Turbine stages	2
Turbine diameter	5.7
T-55Q Turbine system	L080-039
T-55Q Turbine system with A-712 Gravity gun	

2) T-75Q. Adjustable motor speed provides maximum flexibility. This kit includes a 250cc fine finish cup, and a 2.0mm nozzle set in addition to the 1.4mm supplied with the A712 bleeder gun.

Specifications:	
Amps @ 115 V	10.5
PSI - sealed	
Turbine stages	3
Turbine diameter	
T-75Q Turbine system	. L080-051
T-75Q Turbine system with A-712 Gravity gun	. L080-071

3) T-90. This unit has 4 fixed speeds and a patented control system for cooler operation and less noise on the jobsite. A new feature is the 3M<sup>™</sup> PPS<sup>™</sup> container, which makes for fast clean-up and allows the gun to spray on any angle--even upside down. The kit also includes a 2.0mm nozzle set in addition to the 1.5mm supplied with the A-728 non-bleeder gun.

Specifications:	
Amps @ 115 V	11.5
PSI - sealed	8
Turbine stages	4
Turbine diameter	5.7
T-90Q Turbine system	L080-056

Coating to be sprayed:	T-55Q	T-75Q	T-90Q
Inks, thin stains, automotive base-clear etc.			
(Use nozzle 1.0 - 1.5 mm).			
Lacquers, enamels, thin waterborne product primers, aircraft paints etc.	ts, ■	•	
(Use nozzle 1.3 - 1.8 mm)			
Latex, oils, aircraft dopes, industrial paints and primers. (Use nozzle 1.8 - 2.0 mm)		•	-
Multi color, thicker latex and oil paints.	Х		
(Use nozzle 2.0 - 2.8 mm)			
legend: ■ = most suitable □ = suitable	X = not s	suitable	

**4)** Turbine cart accessory. Improve the performance and portability of any T-55, T-75 or T-90Q turbine. Use your own pot system or add a 2.25 gallon pot (L011-075) and 25 ft fluid hose (L080-644). Cart includes built in mini compressor and tool box.

Specifications:	
Amps @ 115 V	1.0
CFM - unrestricted	0.71
PSI - sealed	60
Weight	34 lbs
Turbine cart kit	



Reduce clean-up with HVLP

## TURBINE AND COMPRESSOR HVLP SPRAY GUNS



















HVLP spray guns are ideal for furniture finishing, auto body shops, metal fab shops, contractors, and hobbyists. Using High Volume and Low Pressure airflow means high transfer efficiency, up to 90% or more! This results in material saving and a healthier working environment.

The guns in pictures 1 to 4 are designed for connection to HVLP turbine systems. They are perfect as an add-on to enhance a system's capability, or to replace an existing gun.

The HVLP guns shown in pictures 5 to 7 are designed for connection to a portable compressor or regular shop air. They take the high pressure compressed air and expand it through internal passages to reduce pressure and increase volume. An additional benefit of compressor driven HVLP is that they produce cool air which will not affect materials with critical drying times. This gives the simplicity and convenience of a conventional gun with all the advantages of HVLP!

2) A-712G HVLP turbine gun is a lightweight and very manoeuvrable gravity feed version of our standard, bleeder type turbine gun. It is ideal for very fine work and jobs where color changes are frequent. The A-712G is supplied with a general purpose 1.4mm nozzle, sizes 0.7, 1.0, 1.8, 2.0 and 2.8 are available separately.

A-712G with 600 cc gravity cup (1.4 mm) ...... L080-509

3) A-712FF HVLP turbine gun is a compact and lightweight suction feed version of our standard, bleeder type turbine gun. It is great for touch-ups or other small jobs using thin products. The A-712FF is supplied with a 1.0 mm nozzle for very fine work, sizes 0.7, 1.4, 1.8, 2.0 and 2.8 are available separately.

A-712FF with 250 cc suction cup (1.0 mm) ...... L080-508

**4)** A-728 HVLP Non-bleeder turbine gun with the 3M<sup>™</sup> PPS<sup>™</sup> pressurized cup system is the standard gun for our new T-90Q turbine system. The PPS cup allows spraying at any angle, even upside down! Advantages of non bleeder guns are that they disturb less dust in the work area and are quieter than bleeder guns. Use with any T-90Q, T-95 or T-97 system, T-55 and T-75 require the addition of a vent fitting to prevent overheating, see part listing below. The A-728 is supplied with a general use 1.5 mm nozzle, sizes 1.0, 1.3, 1.8, 2.0 and 2.8 are available separately.

a) A-728 HVLP with 950ml pressurized PPS cup (1.5mm) L081-052
 b) A-728 HVLP with 1L pressurized metal cup (1.5mm) ... L081-050
 Vent fitting to use A-728 with T-55 and T-75 ....... L080-649

A-928P for pressure feed - no reg/cup (1.4mm) ............. L015-021 b) A-928G w/600cc metal gravity cup - no reg (1.4mm) ..... L015-022

**6) A-935 HVLP** this spray gun is ideal for smaller jobs or anyone needing HVLP on a budget. Comes with 600cc nylon gravity cup, a general purpose 1.5 mm nozzle installed and 2.0 mm nozzle included for thicker materials.

7) A-600 HVLP Mini is similar to the A-935 but in a miniature design for smaller jobs such as touch up, shading, and fine staining. (parts not interchangeable with A-935). Features a 125cc nylon cup & includes an air regulator. Nozzle sizes 0.5mm & 0.8mm available separately.

A-600 mini HVLP with gravity cup (1.0mm) ...... L015-006

Guns 5 to 8 will operate from a standard twin cylinder air compressor with 20 gallon tank which delivers:

8.2 cfm @ 40 psi 6.5 cfm @ 90 psi

## **CONVENTIONAL SPRAY GUNS**

















Conventional spray guns are ideal for use in many industries such as woodworking shops, metal fab shops, autobody, contractors etc.

This type of gun typically has better atomization and speed, especially in thicker materials.

Suction feed versions are best for normal day to day shop use, gravity versions are ideal where small batches or color changes are common. Pressure feed versions are used together with one of the pressure pots on the next page to make an economical and high production spraying system.

All models feature a wide range of fluid speed and fan width adjustment, and are shipped with a general purpose needle/ nozzle suitable for lacquers, primers, enamels etc. For other sizes and specific recommendations, please contact your nearest Lemmer office.

1) A-908 spray gun is a general purpose gun which is ideal for use around the shop or jobsite. It features a 1 litre suction container and can be easily connected to a pressure pot if more capacity is needed. The standard nozzles are 1.8mm and 2.5 mm, with 1.3mm available separately.

2) A-910 spray gun is a very high quality gun designed for maximum atomization. The fluid needle and seat are stainless steel and the entire gun can be placed in a gun cleaning cabinet. The A-910 is offered in 1 litre suction, 600ml gravity and pressure feed versions. Nozzle sizes 1.1,1.4,1.8, 2.0 & 2.5 are available separately.

**3) A-550 touch-up gun** is an ergonomic and compact gun with a 200ml suction container. It is great for jobs that are too big for an airbrush and too small for regular guns. The standard nozzle is 1.5mm, a 1.3 mm is available separately.

A-550[1.5mm) ...... L015-030

4) AU-100 spray gun is a top quality conventional gun designed for use with automated systems in a manufacturing environment. Activation of the atomizing air and fluid spray is achieved by an air piston which uses a very small amount of air per gun cycle. This gun has a stainless steel fluid path for full compatability with waterbase products. The AU-100 is shipped with a general use 1.3 mm nozzle, sizes from 0.8mm to 2.0mm are available upon request.

AU-100Iconventional automatic [1.3mm) ...... L015-096

5) A-910 stainless steel spray gun is a top quality conventional gun system for use with the new waterborne products. This gun features stainless internal passages, fluid fittings, needle and seat. The fluid container is a 3M™PPS™ system which is fully compatible with all products, easy to clean, and allows spraying on any angle without fan flutter. Gun is shipped with a 1.4mm nozzle which is perfect for many waterborne products. Sizes from 1.1 mm to 2.5 mm are available separately.

A-910@aterborne@un@it,@50ml@uction@eed@1.4mm)... L015-017 A-910@aterborne@un,@ressure@eed@1.4mm)............ L015-013

6) 3M™PPS™ Paint Container System is ideal for finishing shops, contractors, and hobbyists. The plastic liner is fully compatible with waterborne and solvent borne products. This unique system allows the gun to spray on any angle without fluttering, even upside down! To convert a gun to this system, first choose the size of cup you prefer, then add a liner of the same size, and last select the correct adapter to connect it to your gun. The cup and adapter are permanent, only the liner needs to be changed. Please see product listing below.

a) Mini Cup assy, HVLP/pressure-feed, 177ml	L034-303
IIIIMini@up@assy,@ravity@r@onventional,@77ml	L034-300
IIIICuplassy,@ravity@rlconventional,@750ml	L034-301
IIIICuplassy,@ravity@rlconventional,@50@nl	L034-302
Cup@ssy, HVLP/pressure-feed, 1950ml	L034-304
b)ILiner Iv/lid, I 77ml	L034-315
IIIILiner@v/lid,[750ml	L034-314
IIIILiner@v/lid,@50ml	L034-313
c) 🖪 Adapter 🗗 7, 🗈 nost 🗓 ravity 🗓 uns	L034-321
IIIIAdapterI#21,IA600 IniniIgravity Igun	L034-322
IIIIAdapter #18, Iall II. emmer Is uction/press. Dieed Iguns	L034-320

All these systems operate from a standard twin cylinder air compressor with 20 gallon tank which delivers:

8.2 cfm @ 40 psi

6.5 cfm @ 90 psi

## **AIR SPRAY EQUIPMENT**



















1) 2 quart pressure pot provides a steady material flow for air guns. For use with all standard coatings such as: lacquer, enamel, stain, latex, epoxy, glue, etc. Maximum pressure is 50 psi.

2@quart@emote@incl.@egulator,@auge) ...... L080-200

2) 2-1/4 gallon heavy duty commercial pressure pot is inexpensive and easy to use. It provides a steady material flow for air guns. It comes with 2 regulators: one for setting fluid pressure to a maximum of 50 psi, and the other for setting the air gun atomizing air to a maximum of 100 psi. For use with all standard coatings such as: lacquer, enamel, stain, latex, epoxy, glue, etc. A one gallon paint pail will fit inside the pot. Also available in stainless steel.

3) 5 gallon heavy duty commercial pressure pot is inexpensive and easy to use. It provides a steady material flow for air guns. It resists tipping and is easy to clean with its inner removable stainless steel canister. It comes with 2 regulators: one for setting fluid pressure to a maximum of 80 psi, and the other for setting the air to the gun to a maximum of 125 psi. For use with all standard coatings such as: lacquer, enamel, stain, latex, epoxy, glue, etc. A five gallon paint pail will fit inside the pot. The automatic air powered agitator version has a 3-piston 1/4 hp air motor and is controlled by an air flow valve. 5 gallon stainless steel and 10 gallon std. air agitated versions are also available.

4) Low pressure air and fluid hoses are rubber type for best life and flexibility. The fluid hose also has a nylon inner lining to withstand all paints including lacquers and 2 components. The inner tube's smooth surface also makes cleaning easier and quicker.

1/41x15'fbwinflinefbosefassembly	L080-727
1/4 x 1 5' the in the those that it is a sembly	L080-728
1/41x125'IllwinIllineIlhoseIassembly	L080-662
1/41x150'Elwin Line Linose lassembly	L080-725
3/81x125'Diwin Line Linose Tassembly (1/1/4 Tair)	L080-729
3/81x150'lflwin@ine@hose@assembly@1/4@ir)	L080-661
1/41x125' [air [supply [hose]] compressor [lot] ot)	L035-121
3/81x150'[airtsupply[hoset[compressortholipot]	L035-122

5) Complete 2-1/4 Gallon pot kit with A-910 conventional gun and 25 ft hose provides performance, control and excellent atomization in an easy to use package. Can be driven by any shop or portable compressor capable of delivering 8.2 cfm @ 40 psi, 6.5 cfm @ 90 psi. A great choice for small to medium size cabinet, woodwork or metal fab shops using products such as lacquers, varnishes, enamels and primers.

 6) TD-10 professional twin diaphragm pump is perfect for finishing shops, production lines, and contractors. Materials which can be sprayed include varnish, urethane, lacquer, automotive paint, epoxy, enamel, stain, latex, oil base, adhesives, etc. Included with this kit are: a 4ft x 20L suction hose, regulators and gauges for pump and gun atomizing air, a fluid pulstation dampener to ensure constant flow and a compact stand. The TD-10 features quiet, air powered operation which makes it very durable and virtually maintenance free. Pump has 1:1 ratio and 10 litre per minute free flow.

TD-10,@louble@liaphragm@:1@pump@n@stand@v/regs ..... L014-004

# **HOW TO SELECT TIP SIZE AND PROPER FILTER**

		Fan Si	ze (meas	sured at 1	l foot)	
Coating	2"	4"	6"	8"	10"	12"
Lacquer, varnish, furniture stain	1-09 R	2-09 R	3-09 R	4-11 R	5-11 R	6-11 R
(viscosity of 23 to 45 seconds, similar to vegetable oil)						
Industrial enamels, stain, colored lacquer	1-09 R	2-11 R	3-11 R	4-13 R	5-13 R	6-15 Y
(viscosity of 30 to 70 seconds, similar to dish washing liquid)						
Shop primer, solid stain, oil base, latex	1-11 R	2-13 Y	3-13 R	4-15 Y	5-15 Y	6-17 W
(viscosity of 58 to 125 seconds, similar to 10-30 motor oil)						
Flat oil base, latex	1-13 Y	2-15 W	3-15 Y	4-17 W	5-17 W	6-19 W
(viscosity of 80 to 180 seconds, similar to 50 weight oil)						
Thick latex, prepared blockfiller	1-15 W	2-17 W	3-17 W	4-19 W	5-19 W	6-21 *
(viscosity of 180+ seconds, similar to gear oil)						
Most block fillers	1-17 W	2-19 W	3-19 W	4-21 *	5-21 *	6-23 *
(viscosity of over 180 seconds, are not measurable with the Lem	mer cup)					

Tip chart example: Latex stain is being sprayed onto a fence. The paint is fairly thick (like a very heavy motor oil) and the L-1095 is the spray machine. The maximum tip is a .015 for a L-1095. Draw a line along the .015 tips as shown below. Everything above the line is sprayable with the L-1095. Now just choose the fan width. For fences a 6" width will give a lot of control, so the intersecting best choice would be a 3-15 tip with a yellow gun filter.

explanation of tip and filter sizing: eg: 4-15 Y	
4 = half of fan width (8" @ 1 foot)	

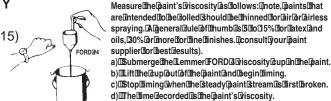
**15** = orifice size in thousands of an inch (.015)

**Y** = **Y**ellow 100 mesh filter.

(R = Red 200 mesh) (Y = Yellow 100 mesh)

(W = White 50 mesh)

(\* = \*not required)



	b) Lift (1 c) Lift (1 d) Lift (1	@iming[	when Eth	e <b>Is</b> teady	/⊈baint⊈	treami	g. sdirstØbroken.
		Fan Si	ze (meas	sured at 1	1 foot)		
	2"	4"	6"	8"	10"	12"	
	1-09 R	2-09 R	3-09 R	4-11 R	5-11 R	6-11 R	
uer quid)	1-09 R	2-11 R	3-11 R		5-13 R	6-15 Y	1
<	1-11 R	2-13 Y	3-13 R	4-15 Y	5-15 Y	6-17 W	

Coating	2"	4"	6"	8"	10"	12"
Lacquer, varnish, furniture stain	1-09 R	2-09 R	3-09 R	4-11 R	5-11 R	6-11 R
(vescelly of 25 to 45 seconds, similar to vegetable oil)	1-09 R	2-11 R	3-11 R	4-13 R	5-13 R	6-15 Y
(vescelly 45 to 57 seconds, similar to dish washing lequel)	Shop primer, solid stain, oil base, latex	1-11 R	2-13 Y	3-13 R	4-15 Y	5-15 Y
(Shop primer, solid stain, oil base, latex	1-11 R	2-13 Y	3-13 R	4-15 Y	5-15 Y	
(Shop primer, solid stain, oil base, latex	1-11 R	2-13 Y	3-13 R	4-15 Y	5-15 Y	
(Shop primer, solid stain, oil base, latex	1-11 R	2-13 Y	3-15 Y	4-17 W	5-17 W	
(Shop primer, solid stain, oil base, latex	1-13 Y	2-15 W	3-15 Y	4-17 W	5-17 W	
(Vescelly of 80 to 180 seconds, similar to 50 weight oil)	1-15 W	2-17 W	3-17 W	4-19 W	5-19 W	
(Vescelly of 180 to Seconds, similar to gear oil)	1-17 W	2-19 W	3-19 W	4-21 X	5-21 X	
(Vescelly of 480 to Seconds, similar to gear oil)	1-17 W	2-19 W	3-19 W	4-21 X	5-21 X	
(Vescelly of 480 to Seconds, similar to gear oil)	1-17 W	1-17 W				

Tip volume at various pressures.

—Gallons per minute—

Results are based on water.

Results are based on water, heavier viscosities will produce less volume. This is especially noticeable with large tips and

TP   500   1000   1500   2						
	very heavy coatings.					
otice	ticeable with large tips and					

Pump maximum tip size					
	Absolute	To allow			
Pump	maximum	for tip wear			
L-1095	.017	.015			
DC-3100	.021	.019			
DC-5500	.025	.023 (2X.015)			
DC-7700	.031	.029 (2X.021)			
HP-9500	.045	.043(3X.025)			

ok for L-1095

Approximate wear values comparing tungsten tips				
and paint type. (Paint is in gallons)				
New tip size	.015	.017	.019	.027
	worn to	worn to	worn to	worn to
Tip worn to	.017	.019	.021	.029
Lacquer	400	-	-	-
Latex	75	150	250	-
Block filler	-	-	75	250
Road marking paint	2	20	50	200

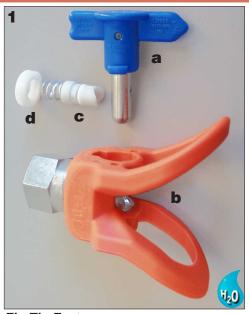
Notes:	

very neavy coatings.				
TIP	500	1000	1500	2000
SIZE	PSI	PSI	PSI	PSI
.009	.039	.055	.067	.078
.011	.06	.08	.10	.12
.013	.09	.12	.15	.18
.015	.12	.16	.20	.23
.017	.16	.23	.27	.32
.019	.20	.27	.33	.39
.021	.24	.33	.41	.47
.023	.28	.40	.49	.57
.025	.33	.47	.58	.68
.027	.37	.52	.64	.76
.029	.47	.65	.79	.98
.031	.53	.75	.91	1.1
.035	.69	.9	1.0	1.2
.043	1.1	1.5	1.8	2.1
.053	1.5	2.2	2.9	3.4
.057	1.8	2.5	3.1	3.5
.063	2.2	3.1	3.9	4.4
.067	2.5	3.5	4.3	5.0
.073	2.9	4.1	5.1	5.9
.079	3.6	5.1	6.3	7.3
.085	3.9	5.5	6.7	7.8
.089	4.3	6.0	7.4	8.5
.099	5.3	7.5	9.2	10.6

### The two most important things to remember about tips.....

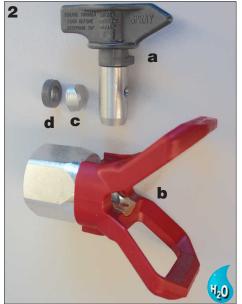
- 1) Low pressure means longer life, for tips and the pump. Less overspray too!
- 2) Worn tips waste paint and overwork the pump, causing premature pump wear. The maximum tip for a pump is the largest tip that will deliver a proper pressure for spraying without overworking or overloading. When a tip is used for some period of time, it can wear beyond the maximum size recommended for the pump, which will cause low pressure and poor spray pattern.
  - Stains and thick latex products often cause the most rapid wear of the tip, while clear lacquers and varnishes cause the least wear. Thus tip life can vary from as little as 50 gallons to as much as 200 or more, depending on the product being sprayed and the pressure used.
  - Filter screen mesh for the gun or pump are picked not because of the type of paint being used, but to protect a given size of tip. Pick the tip for the type of paint and job being done and then choose the filter to protect that tip.

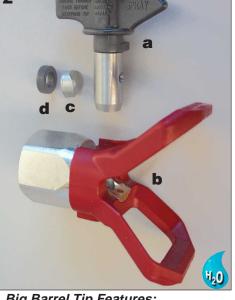
### AIRLESS SPRAY NOZZLES



#### Zip Tip Features:

- 1) Fast Tip Size Changes no tools required.
- 2) Long Seal Life withstands harsh solvents won't swell or leak even with small tips replaces in minutes.
- 3) Tip Rotates Easily even under "high pressure" clog-up.
- 4) Venturi-Guard-less paint accumulation helps protect against accidental injection and prevents tip from slipping out of position.
- 5) Patented Diffuser safer unclogging in cleanout position.







- 1) Fast Tip Size Changes no tools required.
- 2) Versatility Interchangeable with G big barrel tips.
- 3) Long gasket Life withstands solvents won't swell or leak even in severe abrasives - replaces in minutes. An optional harsh solvent seal is available separately.
- 4) Metal Seal long life even with abrasive paints.
- 5) Venturi-Guard less paint accumulation helps protect against accidental injection and prevents tip from slipping out of position.
- 6) Diffuser safer unclogging in clean-out position.
- 1) Zip Tip. The Lemmer Zip Tip is very light and easy to use. Simply rotate the handle to unclog the tip, even under "high pressure" lockup conditions. Remove the tip (without tools) to easily flush out the spray hose, or to change tip size. Its long life seal withstands all conventional solvents and is easy to replace if and when necessary. Maximum working pressure is 5000 psi. Available in sizes .009 to .045".

a)\interpretate(\text{State(\text{State})	L043-₫**
b) Zip Tip Thousing (Lemmer, Wagner, Airlesco, Hero)	L043-001
IIIIZip[Tip[housing, flits[Graco, Titan	L043-002
c) (Seal (Rit (Jincludes Inylon (Jasket)	L043-005
d) Inylon asket (Between aun & Chousing)	L043-008
(IIIII) ula p Grant (at (7) unha (3) (7))	1 042 000

2) BB Tip will interchange with most reversible "G" tips found on the market today. Each tip includes a long life steel seal with standard gasket for use with all materials. Maximum working pressure is 5000 psi.

a) IBB IT ip [(State Isize)	. L038-₫**
b) BB Tip Bousing Lemmer, Wagner, Airlesco, Hero)	L038-001
IIIIBBITipIhousing,flitsIGraco,ITitan	L038-002
c) Metal Seal	L038-007
d) Standard Gasket	L038-006
IIIII acquer@acket	1 038-008

3) BB -FF, -WS and Linestriping specialty tips will interchange with most reversible "G" tips found on the market today. The Fine Finish tips have a premium quality double orifice design to enhance atomization and allow use of lower spray pressures for maximum control. Available sizes are .008 to .014.

The WS tips have a special insert design to give a super wide 24" spray for fast coverage on ceilings and other large areas. Available in orifice sizes from .025-24" to .037-24".

Linestriping tips have a specially cut orifice to provide crisp edges for the best possible lines. Available in specific sizes from .015 to .023.

Maximum working pressure for all BB specialty tips is 5000 psi.

a) IBBFFIFine IFinish (Tip ((State Isize)	L044-6**
b) IBBWS IIV ide ISpray IT ip [IState Isize)	L044-6**
c) BBLS Linestriping Tip State Size)	L005-3**





- 4) Standard and reversible flat tips. Made of high quality tungsten carbide, these tips produce excellent spray patterns. Flat tips are best suited for fine finishing where a clean gun shut off is imperative. Having the tip orifice near the gun shut off valve eliminates "fluid dead space" which is the cause of spitting. A tip nut is required to attach the tip to the gun. Tip broaches are available for unclogging these tips. The reversible tips are the same tip but without the metal housing for installation in an older style Eze-Kleen (or equivalent).
- a) (\$\text{Standard} \text{Illip} ...... L040-12\*\* Standard Tip Inut (Lemmer, Wagner, Airlesco, Hero) ...... L032-501 IIIINylon@vasher@or@he@standard@ip ...... L043-008 IIIINvlon@vasher@or@he@standard@ip.@ube@f@x ...... L043-009 b)  $\begin{tabular}{ll} \textbf{Beversible Dip Bor Dihe Teze-Kleen [I]} being \begin{tabular}{ll} \textbf{Dhased Dout}) & \dots & \textbf{L041-D**} \\ \end{tabular}$
- 5) "SF" super fine finish airless tip. A built-in preatomizer produces a super fine spray pattern at greatly reduced spray pressures. These reduced pressures also reduce overspray and increase system life. Your airless system will produce excellent finishes without air assist. Perfect for all types of fine finishing including automotive paints and lacquers. Orifices are made of high grade tungsten carbide and machined to exacting tolerances. Fits all standard tip retainers. (Tip retainer order number for Lemmer or Wagner guns is L032-501)
- "SF" [super ffine ffinish fairless ffip .......L044-\*\*\*

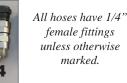
# **HIGH PRESSURE HOSE & HOSE CONNECTORS**











1) Fibre braid hose for standard airless equipment with 1/4" fittings. Equipment output pressure must not exceed 3,300 psi. Features include continuous weave static grounding and "Anti-kink" springs on both hose

3/16" DXD25' Fibre Diraid Diose	L031-072
1/4" DX 025' IP remium Iquality It ibre Ibraid Ibose	L031-073
1/4" DX 050' IP remium Iquality It ibre (braid It ibose	L031-074
1/4" DX 125 'DG eneral Dourpose Tibre Obraid Chose	L031-078
1/4" DXI50' IGeneral Ipurpose If ibre Ibraid Ihose	L031-079
3/8" DXD0' UFibre Obraid Ohose Q3/8" Folittings)	L031-077

2) Steel braid hose. For use on industrial equipment where higher pressures or tougher working environments are found. High pressure ratings maintain high levels of safety and the high tensile carbon steel braids guarantee static grounding through the hose. Maximum operating pressures are: 1/8"-5075 psi, 3/ 16"=4350 psi, 1/4"=4350 psi, 3/8"=3600 psi, 1/2"=5000 psi. NOTE: Not for use on electric powered piston pumps! They require fibre braid hose for proper pressure sensor operation. NOTE: Pressure ratings given are accurate at the time of catalog printing. Check rating embossed on hose jacket before connecting to any equipment. The rating on the hose must be the same or higher than the maximum pressure rating of the pump.

Specifications:	
Cover@naterial	Polyester@lastomer
Inner@ube	Polyamide
Temperature lange	40°C==80°C
1/8DXD25'DSteelDbraidDhose	L031-002
1/8DXI30'ISteelIbraidIhose	L031-003
3/16" [XI25' [Steel [braid [hose	L031-012
3/16" DX D30 DSteel Dbraid Dhose	L031-013
1/4" DXI25' DSteel Dbraid Dhose	L031-021
1/4" DXI30 Dsteel Draid Dose	L031-022
3/8" DXD50' (Steel Chraid Chose [03/8" Folittings)	L031-030
3-7 ····	

2a)@Whip@hoses:	
1/8DXC3'DSteelCoraidCovhipChoseCMFChittings)	L031-001
1/8DXIB'IISteelIbraid (whip Ibose (MFIbittings)	L031-006
1/8DXI 1'IISteelIbraid (Ivhip Ihose (IMF II) ittings)	L031-007
3/16" DXI3 Dsteel Dbraid Dwhip Dhose (IMF Dittings)	L031-010
3/16" DX 15" (Steel Doraid Dwhip Dhose QMF Dittings)	L031-011
1/4" DX 15' 15' teel (braid (1) whip (b) ose (1) MF (b) ittings)	L031-020

Speciality@hoses:	
1/4" [XI3' [High pressure [whip [06200 [psi]	L031-033
1/4" [XI50'IForIhigh@atio@umps[[6200psi]	L031-035
3/8" [X[30'] [For [high [latio] ] bumps [[5800psi]	L031-037
1/2" [XI30' [Mastic [hose, [2 []] wire [braid [[] 1/2" [F] )	L031-051
Note: Some Bhoses are available with stainless tittings to	r
specialty@vaterbase@pplications.@lease@all@or@letails.	

3) Steel hose connectors for all nps hoses. Rolled threads provide a stronger connection.

1/4" IMIX 11/4" IMIIItonnector (Irolled IIIhreads)	L035-001
3/8" IMMIIconnector [rolled IIIhreads)	L035-002
1/4" DX 3/8" DMM Dconnector Prolled Threads)	L035-005

4) High pressure swivel. These swivels have rolled threads for a stronger connection and allow swivelling while under pressure. Maximum pressure 5800 psi.

High@ressure@ose@swivel,@/4"@FM ...... L034-110 High pressure hose swivel, 11/4" MM ...... L034-111

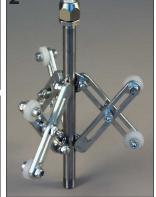
Hose will drop the pressure at the gun. The amount of the loss is dependent on thickness of paint, length of hose, and diameter of hose. The following values are approximate but will give a good idea of resulting paint pressure at the gun. For each hose added, double the pressure drop. The best way to increase pressure is to reduce the tip size.

	1/4" ILD. IX ISO' Those	125@si@drop@vith@015@ip
		180@psi@drop@vith@021@tip
}		300@psi@drop@vith@031@tip
	3/8" ILD. Ix ISO Inose	80 Dosi Odrop Dwith C021 Elip
		140@psi@drop@vith@031@tip
	Fluid@equired@odfill@d1/4"@D.0x050'@hose	approx. 500ml
	Fluid@equired@offill@13/8"@D.0x050'@hose	approx. 100ml

# INTERNAL PIPE COATING PRODUCTS





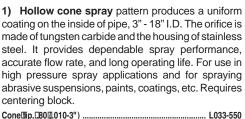




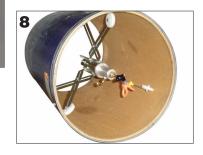








Cone@ip, \parabox 80 \parabox 010-3")	L033-550
Cone@ip, @90@.010-3")	L033-551
Conedip, 1 (1.011-3.5")	L033-552
Conedip, [].5[].013-3.5")	L033-553
Conedip, (2(1.015-4.5")	L033-554
Conedip,[30].018-6")	L033-555
Cone@jp,@4021-8")	L033-556
Cone@jp,@f@026-10")	L033-557
Cone@jp,B8@029-12")	L033-558
Conedip, 1912.031-14")	L033-559
Conedip, 101.033-16")	L033-560
Conedip, 121,036-18")	L033-561



2) Pipe tip centering block for easy centering of pipe coating tips inside 3.25" to 7" pipes.

Pipe@entering@lock ..... 3) Nylon tip gasket seals pipe tip to tip adapter and

Tip@asket,@ube@of@ ..... 

gun adapter to spray gun.

4) Gun-to-hose adapter has female L-gun thread to female 1/4" pipe thread. Made of stainless steel. Just add a hose connector which will fit the hose fitting.

Gun-to-hose adapter ..

5) Tip-to-hose adapter has male L-gun thread to female 3/8" pipe thread. Just add a hose connector which will fit the hose fitting.

Tip-to-hose@dapter ..... 6) Tip-to-hose adapter has female G-gun thread to

male 1/4" pipe thread.

Tip-to-hose adapter.

7) Tip retaining nut for attaching pipe coating tips to hose adapter, centering block, or pole extension. Female, L-thread.

Tip@etaining@nut ....

8) Rotary spray block system for spraying the inside of pipes from 10" to 27". Use with standard contractor nozzles such as the Zip Tip or BB Tip. An air motor built into the unit rotates the nozzle 360 degrees inside the pipe at speeds from 10 to 100 r.p.m. for a complete and even coat.

Rotary Spray Block ...... L033-571

# AIRLESS GUNS





















Automatic guns spraying pipe

1) L-50. Heavy duty construction makes this gun the best choice for thick coatings and severe conditions. Specifications:

Maximum pressure	5800 Dpsi
Swivel	standard
Wetted parts	AI,SS,TC,Cu,Ibrass,ITef.
L-50@un.fl-thread@ith@4ffingerffrigger	L032-009

2) L-60. The 2-finger trigger design makes this gun best for fine finishing where flexibility and control is required.

Specifications:

Maximum pressure	
Swivel	standard
Wetted parts	AI, IFe, ISS, TC, Cu, Ibrass, ITef.
L-60@un,IL-thread@vith@12@inger@rig	ger L032-021
L-60 Gun, G-thread with a 12 ffinger frig	iger L032-022
	•

3) L-40. This gun's "snappy" trigger response makes it ideal for industrial fine finishing.

Specifications:

Maximum@ressure	
Hose connection	1/4" Inps
Wetted parts	Al,Fe,SS,TC,Cu,Ibrass,ITef.
L-40 Gun, G-thread Dvith a 2 Ginger Gri	gger L032-005

4) L-75. The front fluid feed has 2 advantages: First it keeps heat away from the handle, and secondly having stainless steel fluid passages allows this gun to be used with virtually all materials. The 2-hose yoke (10) is added when a recirculating heated system is used.

Specifications:

Maximum pressure	5000 ∏os
Trigger	2 <b>::</b> inge
HoseIconnection	
Wetted parts	SS,TC,Cu,Tef
I -75@un @-thread@vith@Dffingerffrigger	

5) L-80. Stainless Steel fluid passages with full size handle filter. This spray gun comes in two pressure ranges and includes the spray tip. The 7700 PSI version includes a special high pressure tip assembly.

Specifications:

opecinications.	
Maximum@ressure	3900 / 17700 psi
Trigger	4 🗹 inger
Hose@onnection	. 1/4" <b>ZI3</b> /8" Inps
Wetted parts	SS,TC,Cu,Tef.
L-80 (IS3) (Gun, IG-thread (Ivith IS17, II/4" (Inlet, IS900 IP)	SI L032-040
L-80 (QS7) (Gun, LG-thread (Ivith LS17, L3/8" (Inlet, L7700 LP)	SI L032-041



1/4" fibre braid airless hose, and reversible tip. Maxi-

L-60GIGun,[25'[Ihose,[Ilip[pack..[4-15[IBB][Ilip]]......L032-048 L-60L@un, 25 @hose, @ip@ack. 415 Zip Tip) ...... L032-049 L-60GIGun,I<u>50'</u>Ihose,Ilip[pack..[<u>15-17</u>[Zip[Tip]] .......L032-051

L-40-G fine finishing pack. Comes with L-40-G

gun, 1/4" x 25' fibre braid airless hose, 3/16" x 3' whip hose, and reversible 311 Zip Tip. Maximum pump

L-40-GIGun, fine finishing [back.. [43-11 fiip) ....... L032-058

L-40-G@un,@0'@hose,@ip@ack..@5-15@B@ip) ...... L032-059

8) L-50 hose, gun, tip pack (3/8"). This complete

package hooks up to 3/8" nps airless pump fitting. Comes

with L-50 gun, 3/8" fibre braid airless hose, 5' x 1/4" steel

braid whip hose, and reversible Zip Tip. Recommended

for heavy coatings requiring tips larger than .023. Maxi-

L-50 (Gun, 150 15:13/8" Those, Tip (pack.. 105-23 Tip) ...... L032-054

mum pump pressure must not exceed 3,300 psi.

pressure must not exceed 3,300 psi.

mum pump pressure must not exceed 3,300 psi.



6) L-60 hose, gun, tip pack. Comes with L-60 gun,

9) Wiwa 300 automatic gun. This premium quality automatic gun has a stainless steel fluid body with two paint inlets to accomodate heated or recirulating systems. Built to withstand harsh products and constant use.

Maximum Illuid Ipressure.
Hose connection
Minimum air pressure
Wetted parts
Maximum diuid linlet diempe
Wiwa 300 SS auto gun

10) L-A10 automatic. Very light and compact design makes this the most popular automatic. Overhauls are quick and simple.

Specifications:

3600 Disi
1/4" (INPS-M
45Dpsi
Al,Fe,ISS,TC,Cu,Ibrass,ITef.
L032-020

11) 2-hose yoke. Very compact design and made of stainless steel for use in recirculating systems.

2IlhoseTyoke,IstainlessIsteel ...... L032-029

Type of work or coating:	L-40	L-50	L-60	L-75
General contractor and light-medium				
industrial use in most products.				
Fine finish work with small tips,		Х		
jobs needing compact gun size				
Heavy industrial use, higher pressures,				
very thick or abrasive coatings				
Hot spray, paint stripper,	Х	Х	Х	
chemically aggressive coatings				
legend: ■ = best □ = good X = not reco	mmended			

# FILTERS, ADAPTERS & EXTENSIONS























1) Tip extension. For spraying ceilings, floors, and other hard to get at areas. Made of lightweight alloy and includes an easily adjustable angle head on the tip end. New universal-fit design includes adapter to fit both L and G thread. Maximum 3,500 psi.

1/4@neter@xtension,@niversal@it	L033-011
1/2@neter@xtension,@niversal@it	L033-012
1 Dineter Dextension, Duniversal Dit	L033-013
2@neter@xtension,@niversal@it	L033-014

2) Pole gun. Lightweight design with in-line gun and swivelling head. Gun uses standard Lemmer handle filters. Spray up to 20' high with a 6' extension (L033-801) on a 6' pole gun!

3'Doole Igun Divithout Itip Dassembly Dshown)	L033-050
6' Dole Gun Divithout Dip Dassembly	L033-051

3) Paint filter. For high pressure, high volume filtering. Body is anodized forged aluminium and panel mountable with 2 x 5/16" bolts. Maximum pressure is 3,400 psi. Screens available in 15 to 400 mesh.

a) IP aint Tilter, 3/8in, 12x1/4out, 11x3/8out, 1100m	L034-006
IIIIPaint⊞ilter,I\$S,II3/8in,I2x1/4out,I1x3/8out,I100m	L034-007
b) TReplacement Tilter Screen, 100 Tinesh	L034-504

4) Graco/Lemmer adapters. Adapt tips, extensions, and guns.

a) 🖾 Adapter, 🗓 - gun 🗓 o 🕮 - tip	 L033-548
b) Adapter, AG-gun Boll-tip	 L033-547

5) Gun-to-hose adapter has female L-gun thread to female 1/4" pipe thread. Made of stainless steel. Just add a hose connector which will fit the hose fitting. Gun-to-hose adapter ...... L033-549

6) Tip-to-hose adapter has male L-gun thread to female 3/8" pipe thread. Just add a hose connector which will fit the hose fitting.

Tip-to-hose@dapter .....

7) Disc type tip filter. One piece molded design guarantees 100% filtration and is interchangeable with Graco and Binks. For use with housings shown in 4b. 6 and 12.

60 Linesh Lidisc Dype Lip Liliter	L011-888
100@nesh@disc@ype@ip@ilter	L011-906
200@inesh@lisc@iype@ip@ilter	L011-907

- 8) Ball valve. For high pressure paint sprayers. It has 1/4" female ports. Maximum pressure is 3,500 psi. High pressure ball valve, stainless steel ......
- 9) Universal prime valve block kit combines 5 high pressure In/Out ports, 2 low pressure prime out ports, and a ~4000 psi safety relief built into the valve. The shutoff valve is a tungsten carbide ball and seat for abrasion resistance. Working pressure is up to 3000 psi. The 6061-T6 aircraft aluminium body is light weight and corrosion resistant. Wetted parts include aluminium, zinc, brass, tungsten carbide & buna rubber. Two 1/4" threaded holes are provided for panel mounting.

Prime Dalve Dolock Lit L034-022	2
10) Lemmer gun handle filters are a one piece	Э
molded design and guarantee 100% filtration. The	Э

double lip end of the filter indicates the end which goes into the gun first. For Lemmer & Wagner guns.

Whitelgunflilterleach[500nesh)	L032-516
White dilter 1kit 45 dilters 12k d dilter 13 pring)	L032-102
White fliter Little 10 fliters, Lino fliter is pring)	L032-107
Yellow@un@ilter@ach@100@nesh)	L032-517
Yellow Editer Ekit [45 Editers E& C] Editer Espring)	L032-101
Yellow Tilter Tkit (10 Tilters, Tho Tilter Tspring)	L032-106
Red Igun Ifilter Ieach [200 linesh]	L032-518
Red@ilter@it@5@ilters@c1@ilter@pring)	L032-100
Red@ilter@it@10@ilters,@io@ilter@spring)	L032-105

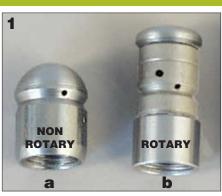
11) High pressure gauge. 0-6000 psi scale informs the operator of what the sprayer pressure is set at. It will help troubleshoot any material or equipment problems. Also helps determine when to replace the spray tip.

Pressure@auge@nly,@-6000@si	L034-101
Pressure@auge@vith@ittings@or@he@-1095	L034-102
Pressure@auge@vith@ittings@or@eneral@se	L034-104

12) Disc filter holders allow hook-up to almost any system. The high pressure swivel version with chamber to hold a disc type filter is about 3" long by 3/4" diameter with 1/4" MF threads. Perfect for upgrading low priced guns which do not have a filter or swivel. The shorter non-swivelling version is perfect for in-line hose filtering, or for automatic guns. Max. pressure 5800 psi. (use with disc filters shown in photo 7).

a) LS wivelling Litter Liholder, 11/4 LMF Liftler Lihot Lincl.)	L034-114
b) IFilter Inolder, 11/4 IMF (Ifilter Inot (Incl.)	L034-115
IIIIFilterInolder,I3/8IMFIqfilterInotIIncl.)	L034-116

# **INDUSTRIAL PIPE CLEANING NOZZLES (WATER ONLY)**





1) Pipe cleaning nozzles. Hook up to your water pressure washer (min. 3 gpm @ 800 psi) and save time and money cleaning plugged drain lines and pipes! Its small size makes it perfect for clearing small diameter pipes (5/8" - 10" id). The standard jet nozzle helps pull the hose along while clearing obstructions. The rotary nozzle is compact and spins up to 9000 rpm! This fast spinning motion also helps pull the hose into the pipe to reach the obstruction and "cut" at it with its unique water jetting action. Nozzles have 1/8"bsp(f) thread. (Hoses are 1/4"npt(m) x 1/8"bsp(m)). Note: The rotary nozzle pressure limit is 1500 psi max to prevent overspeed and excess wear.

a) (Standard (jet lihozzle, lihon-rotary	L044-405
b) TRotary Thozzle	L044-400

2) Hoses: Inner tube and outer cover, Polyester/ Elastomer. Reinforcement, one ply high tensile carbon steel wire, brass plated. Temperature range, -40° to +120° C. Maximum working pressure is 4350 psi.

Hosefforfhozzle,150°12(3)/16"11D	L044-402
Hosefforfhozzle, 1 00' 12 3/16" (1 D	L044-403
Hosefforfhozzle.[150'[x][3/16"[1][D	L044-404

# **SUNDRY ITEMS**



















- 1) Fine mesh strainer has elastic top to hold bag in place. Specially made to fit Lemmer hopper type machines and 5 gallon pails:
- 2) Dust mask. For removal of dust particles, not for removal of fumes. For fume removal see the charcoal respirator (next).

Dust mask, 3M ...... L034-201

- 3) Respirator. For protection from dust and fumes. Included cartridges are for organic vapours. The face piece is comfortable and fits all face shapes. Replacement parts are stocked at all Lemmer locations.
- North respirator complete
   L034-200

   Replacement cartridge (2x)
   L034-617

   Replacement filter
   L034-616

   Replacement filter (10X)
   L034-608
- 4) Spray hood. Made of 100% cotton, keeps overspray out of hair. Only leaves eyes exposed, long neck tucks in.

Spray hoods (package of 3) ...... L034-205

5) Tip broaches. For cleaning out plugged nozzles and high pressure jets. Its unique angular design quickly reams out obstructions.

Tip broach, package of 12x ...... L033-021

- 6) Pole gun roller Lightweight design with in-line gun. Gun uses standard Lemmer handle filters. Roll up to 12' high with a 6' pole gun! Consisting of;
- 7) Hose protector is easy to install and creates a professional look. To install it is best to blow compressed air down the length you are using. Just roll out your length, cut, and gently blow enough air to open the sleeve up all the way to the other end. Slide one end over your hose and scrunch a few feet at a time and pull up the hose, repeatedly.

 Hose Guard, 1500' roll
 L034-062

 Hose Guard (per foot)
 L034-066

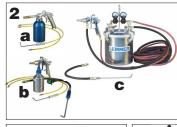
 Reel for Hose Guard
 L034-065

8) Viscosity cup. An essential item for correct thinning of paint and for proper nozzle selection.

Viscosity cup, nylon, Ford #4 ...... L034-191

# **AUTOMOTIVE RUSTPROOFING EQUIPMENT**







Lemmer has top quality undercoating equipment to suit everyday needs or large commercial use.

From hand held spray guns to airless barrel pumps, along with a wide range of attachments and accessories, Lemmer can supply you with equipment that will make your job faster and easier.

The products shown here are a small part of our complete undercoating line. Please contact your nearest Lemmer office or see our Rustproofing catalog for more detailed information.

1) Rustproofing pumps are air driven airless barrel pumps with a 15:1 ratio. Robust construction of the fluid end delivers long life and superior performance. Available in three lengths for pail, wallmount, or direct fit through bung of 60L or 205 L drums.

- 2) Lemmer rust proofing spray systems are perfect for small to medium sized shops. The systems are economical to purchase and very easy to use and maintain. The gun atomizes the material by mixing air with the product in the gun's spray head.



# Spray Equipment Specialists









Toll Free: 1-866-8LEMMER (1-866-853-6637) sales@lemmerusa.com www.lemmerusa.com







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