

## **Lynx 200H** PRESSURE FEED SPRAY GUN PRODUCT INFORMATION



#### HVLP AIR CAP AND FLUID NOZZLE CHART

MODEL NO.	AIR CAPS	Press / Siphon	*MAX GUN INLET PRESS. FOR HVLP	FAN CONTROL	SCFM @ MAX GUN INLET	AIR CAP Ring	AVAILABLE FLUID NOZZLES TIPS	NEEDLES / marking on needle
	22-1028	pressure	29	60-1502 (#2)	18	22-1001	32-0611 1.1mm (.042")	40-1211 (211)
L200H	22-1033	pressure	38	60-1502 (#2)	18.75		32-0614 1.4mm (.055")	40-1214 (214)
	22-1057	pressure	50	60-1502 (#2)	22		32-0618 1.8mm (.070")	40-1218 (218)
	22-1100	pressure	37	60-1501 (#1)	18		32-0622 2.2mm (.086")	40-1222 (222)
	22-1100 X 2.2S	siphon	37	60-1502 (#2)	18		32-0211 1.1mm (.042")	40-1211 (211)
	22-1046**	pressure	47	60-1502 (#2)	22.5		32-0214 1.4mm (.055")	40-1214 (214)
	22-1083**	pressure	55	60-1502 (#2)	26		32-0218 1.8mm (.070")	40-1218 (218)
							32-0222 2.2mm (.086")	40-1222 (222)
*Note: Air cap test gages are available to confirm HVLP compliance. **Must be used with 32-02XX fluid nozzle tips								

Coating Atomization Technologies 337 South Arthur Avenue, Louisville CO 80027 Phone: 888.820.4498, Fax: 303.438.5708 www.spraycat.com

## Operation and Maintenance Instructions for *L200H* Spray Guns

#### Operation

- 1. Connect air supply hose at handle of gun.
- 2. Connect a pressurized fluid supply to the gun fluid inlet.
- 3. Fluid flow can be controlled using the fluid control knob, this restricts flow by limiting needle travel. It is best to control fluid flow by proper selection of fluid orifice size and use the fluid control knob to "fine tune flow rate".
- 4. Fan width can be adjusted using the fan control knob. Turning the knob clockwise narrows the fan.

#### Maintenance

IMPORTANT! Routine cleaning and maintenance is essential to insure proper gun operation.

Several states prohibit spraying solvent into the atmosphere and require the use of covered gun cleaner.

- 1. If a gun cleaner is being used, connect and clean the gun in the gun cleaner according to the manufactures instructions.
- 2. If a gun cleaner is not being used:
  - Remove air cap and clean separately using clean solvent.

For pressure setups, connect a pressurized solvent supply to the fluid inlet, trigger the gun allowing solvent to flow thru the gun until clean.

#### NOTE: Gun head disassembly is not recommended for normal cleaning and maintenance.

#### Gun head disassembly and reassembly instructions:

Have repair kit # 10-106 available before gun disassembly.

#### Gun head disassembly

To remove the nozzle carrier (5) and air cap adapter (6):

- 1. Remove the air cap (1), fluid nozzle tip (2), fluid nozzle body (3), and needle (13).
- 2. Remove the needle seal cartridge (23).
- 3. Loosen the locknut (9) and remove fluid inlet (10) using a 5/8" open-end wrench.
- 4. The nozzle carrier (5) and air cap adapter (6) will now slide forward from the gun body (11).

#### Gun head reassembly

- 1. Install a new o-ring (7) on the air cap adapter (6).
- 2. Install o-ring (4) between fluid nozzle body (3) and fluid nozzle carrier (5).
- 3. Install the thread locknut (9) onto the fluid inlet (10) as far as possible.
- 4. Install a new fluid inlet seal (8) into the recess area on the nozzle carrier (5) inlet port.
- 5. Slide the nozzle carrier (5) into air cap adapter (6) and insert into the gun body (11) as far as possible. Be sure the nozzle carrier (5) extends into the hole at the back of the gun head. Install the needle seal (23) but do not tighten.
- 6. Rotate the nozzle carrier (5) until the fluid inlet port in the nozzle carrier (5) is aligned with the threaded hole in the body. While in this position, insert the fluid inlet (10) and tighten firmly.
- 7. Tighten the needle seal (23) to approx. 12 ft.-lb. torque.
- 8. Tighten the fluid inlet (10) to approx. 25 ft.-lb. torque.
- 9. Tighten the locknut (9) to approx. 33 ft.-lb. torque.

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					22-1028-G           22-1033-G           FOR           L200H           GUNS			
ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	FOR         22-1028-G           L200H         22-1033-G           GUNS         22-1046-G           22-1057-G         22-1083-G			
<b>ITEM NO.</b>	PART NO. See Air Cap Chart	DESCRIPTION Air Cap**	<b>ITEM NO.</b> 16	<b>PART NO.</b> 60-204	FOR L200H GUNS 22-1028-G 22-1033-G 22-1046-G 22-1057-G 22-1083-G 22-1100-G			
			_		FOR         22-1028-G           22-1033-G         22-1033-G           L200H         22-1046-G           GUNS         22-1057-G           22-1083-G         22-1100-G			
1	See Air Cap Chart	Air Cap**	16	60-204	FOR         22-1028-G           L200H         22-1033-G           GUNS         22-1046-G           22-1057-G         22-1083-G           22-100-G         22-1100-G			
1 2	See Air Cap Chart See Air Cap Chart	Air Cap** Fluid Nozzle Tip**	16 17	60-204 60-201	FOR         22-1028-G           L200H         22-1033-G           GUNS         22-1046-G           22-1057-G         22-1083-G           22-1100-G         22-1100-G			
1 2 3	See Air Cap Chart See Air Cap Chart 32-1201	Air Cap** Fluid Nozzle Tip** Fluid Nozzle Body	16 17 18	60-204 60-201 60-119	FOR         22-1028-G           L200H         22-1033-G           GUNS         22-1046-G           22-1057-G         22-1083-G           22-1100-G         22-1100-G			
1 2 3 4	See Air Cap Chart See Air Cap Chart 32-1201 98-8020	Air Cap**         Fluid Nozzle Tip**         Fluid Nozzle Body         Gasket*	16 17 18 19	60-204 60-201 60-119 60-1520	FOR         22-1028-G           L200H         22-1033-G           GUNS         22-1046-G           22-1057-G         22-1083-G           22-1100-G         22-1100-G			
1 2 3 4 5	See Air Cap Chart See Air Cap Chart 32-1201 98-8020 60-L21H	Air Cap** Fluid Nozzle Tip** Fluid Nozzle Body Gasket* Nozzle Carrier	16 17 18 19 20	60-204         60-201         60-119         60-1520         60-302	FOR         22-1028-G           L200H         22-1033-G           GUNS         22-1046-G           22-1057-G         22-1083-G           22-1083-G         22-1100-G           DESCRIPTION           Needle Return Spring*           Rear Bushing           Seal*           Air Valve Assembly           Air Valve Poppet			
1 2 3 4 5 6	See Air Cap Chart See Air Cap Chart 32-1201 98-8020 60-L21H 60-22	Air Cap**         Fluid Nozzle Tip**         Fluid Nozzle Body         Gasket*         Nozzle Carrier         Air Cap Adapter	16 17 18 19 20 21	60-204         60-201         60-119         60-1520         60-302         60-125	FOR         22-1028-G           FOR         22-1033-G           L200H         22-1046-G           GUNS         22-1057-G           22-1083-G         22-1083-G           22-1100-G         22-1100-G           DESCRIPTION           Needle Return Spring*           Rear Bushing         Seal*           Air Valve Assembly         Air Valve Poppet           O-Ring*         O-Ring*			
1 2 3 4 5 6 7	See Air Cap Chart See Air Cap Chart 32-1201 98-8020 60-L21H 60-22 60-131	Air Cap**         Fluid Nozzle Tip**         Fluid Nozzle Body         Gasket*         Nozzle Carrier         Air Cap Adapter         O-Ring*	16 17 18 19 20 21 22	60-204         60-201         60-119         60-1520         60-302         60-125         61-1003	FOR         22-1028-G           L200H         22-1033-G           GUNS         22-1046-G           22-1057-G         22-1083-G           22-1083-G         22-1100-G           DESCRIPTION           Needle Return Spring*           Rear Bushing           Seal*           Air Valve Assembly           Air Valve Poppet           O-Ring*           Air Valve Spring*			
1 2 3 4 5 6 7 8	See Air Cap Chart See Air Cap Chart 32-1201 98-8020 60-L21H 60-22 60-131 60-124	Air Cap**         Fluid Nozzle Tip**         Fluid Nozzle Body         Gasket*         Nozzle Carrier         Air Cap Adapter         O-Ring*         Fluid Inlet Seal*	16 17 18 19 20 21 21 22 23	60-204         60-201         60-119         60-1520         60-302         60-125         61-1003         60-1400	FOR L200H GUNS22-1028-G 22-1033-G 22-1046-G 22-1057-G 22-1083-G 22-1100-GDESCRIPTIONDESCRIPTIONNeedle Return Spring* Rear BushingSeal*Air Valve AssemblyAir Valve PoppetO-Ring*Air Valve Spring*Needle Seal Cartridge*			
1 2 3 4 5 6 7 8 9	See Air Cap Chart See Air Cap Chart 32-1201 98-8020 60-L21H 60-22 60-131 60-124 60-128	Air Cap**         Fluid Nozzle Tip**         Fluid Nozzle Body         Gasket*         Nozzle Carrier         Air Cap Adapter         O-Ring*         Fluid Inlet Seal*         Locknut	16 17 18 19 20 21 21 22 23 23 24	60-204         60-201         60-119         60-1520         60-302         60-125         61-1003         60-1400         60-2101	FOR         22-1028-G           L200H         22-1033-G           GUNS         22-1046-G           22-1057-G         22-1083-G           22-1083-G         22-1100-G           DESCRIPTION           Needle Return Spring*           Rear Bushing           Seal*           Air Valve Assembly           Air Valve Poppet           O-Ring*         Air Valve Spring*           Needle Seal Cartridge*         Trigger			
1 2 3 4 5 6 7 8 9 10	See Air Cap Chart         See Air Cap Chart         32-1201         98-8020         60-L21H         60-22         60-131         60-124         60-128         60-126	Air Cap**         Fluid Nozzle Tip**         Fluid Nozzle Body         Gasket*         Nozzle Carrier         Air Cap Adapter         O-Ring*         Fluid Inlet Seal*         Locknut         Fluid Inlet Fitting	16         17         18         19         20         21         22         23         24         25	60-204         60-201         60-119         60-1520         60-302         60-125         61-1003         60-1400         60-2101         60-1510	22-1028-GFOR L200H GUNS22-1033-G22-1046-G22-1057-G22-1083-G22-1083-G22-1083-G22-1083-G22-1083-G22-1083-G22-1083-G22-1083-G22-1083-G22-1083-G22-1100-GDESCRIPTIONNeedle Return Spring*Aer BushingSeal*Air Valve AssemblyAir Valve PoppetO-Ring*Air Valve Spring*Needle Seal Cartridge*TriggerAir Control			
1 2 3 4 5 6 7 8 9 10 11	See Air Cap Chart See Air Cap Chart 32-1201 98-8020 60-L21H 60-22 60-131 60-124 60-128 60-128 60-126 60-1114	Air Cap**         Fluid Nozzle Tip**         Fluid Nozzle Body         Gasket*         Nozzle Carrier         Air Cap Adapter         O-Ring*         Fluid Inlet Seal*         Locknut         Fluid Inlet Fitting         Lynx Gun body HVLP	16 17 18 19 20 21 22 23 23 24 25 25A	60-204         60-201         60-119         60-1520         60-302         60-125         61-1003         60-2101         60-1510         60-122	FOR         22-1028-G           FOR         22-1033-G           L200H         22-1046-G           GUNS         22-1057-G           22-1083-G         22-1100-G             DESCRIPTION           Needle Return Spring*           Rear Bushing         Seal*           Air Valve Assembly         Air Valve Poppet           O-Ring*         Air Valve Spring*           Needle Seal Cartridge*         Trigger           Air Control         Plug (optional)			
1 2 3 4 5 6 7 8 9 10 11 11 12	See Air Cap Chart         See Air Cap Chart         32-1201         98-8020         60-L21H         60-22         60-131         60-124         60-128         60-126         60-1114         See Air Cap Chart	Air Cap**         Fluid Nozzle Tip**         Fluid Nozzle Body         Gasket*         Nozzle Carrier         Air Cap Adapter         O-Ring*         Fluid Inlet Seal*         Locknut         Fluid Inlet Fitting         Lynx Gun body HVLP         Fan Control Assembly**	16         17         18         19         20         21         22         23         24         25         25A         26	60-204         60-201         60-119         60-1520         60-302         60-125         61-1003         60-2101         60-1510         60-122         60-104	FOR         22-1028-G           L200H         22-1033-G           GUNS         22-1046-G           22-1057-G         22-1083-G           22-1083-G         22-1100-G           V         V           Needle Return Spring*         Rear Bushing           Seal*         Air Valve Assembly           Air Valve Poppet         O-Ring*           Needle Seal Cartridge*         Trigger           Air Control         Plug (optional)           Air Inlet Fitting         Air Inlet Fitting			

# FLUID NOZZLE / AIR CAP SELECTION CHARTS

## LYNX Series 200H - Pressure Feed Guns

### L200H HVLP SPRAY GUN

MATERIAL TYPE	FLUID ORIFICE x AIR CAP	MAXIMUM PATTERN WIDTH	PRESS. / SIPHON
Very Thin			
less than 16 sec. Zahn #2	1.1 mm x 1028	11	Р
inks , dyes,	1.1 mm x 1033	9	Р
solvents, stains			
Thin			
16 to 20 sec. Zahn #2	1.1, 1.4 mm x 1057	11	P/S
lacquers, enamels,	1.1, 1.4 mm x 1100	12	P/S
primers, sealers			
Medium			
21 to 30 sec. Zahn #2	1.4 mm x 1057	11	P/S
automotive base coat	1.4 mm x 1100	12	P/S
enamels, primers	1.4 mm x 1046	11	Р
epoxies, urethanes	1.4 mm x 1083	13	Р
automotive clear coat			
Heavy			
over 30 sec. Zahn #2			
heavy body primers	1.8, 2.2 mm x 1046	11	Р
high solid enamels	1.8, 2.2 mm x 1083	13	Р
high solid automotive coatings			
adhesives			