

**Distributed by:**



**Corrosion  
Control  
Equipment  
and  
Supplies**

**Houston Office:**  
248 McCarty Dr.  
Houston, TX 77029-1195  
(713) 672-8251  
Fax (713) 672-6636

***1-800-CLEMTEX***  
***www.clemtex.com***  
***clemtex@clemtex.com***

**Dallas Branch:**

4770 Gretna  
Dallas, TX 75207  
(214) 631-0584  
Fax (214) 631-5824  
1-800-BLAST 97

**Corpus Christi Branch:**

4750 Westway  
Corpus Christi, TX 78408  
(361) 882-8282  
Fax (361) 882-6029



# Binks MODEL 115 SPRAY GUN

## OPERATION AND MAINTENANCE

The Model 115 Gun is normally used for touch-up, stenciling, and small work spraying.

### CONTROLLING THE FAN SPRAY

The fan spray for an external mix nozzle set-up is easily controlled by means of the side port control assembly (17). Turning the valve stem (19) to the right, or clockwise, until it is closed will give a round spray; turning it to the left, or counter-clockwise, will widen the spray into a fan shape of any width desired. The direction of the fan spray, either horizontal or vertical, is obtained by turning the air nozzle to the desired position, then tightening the retainer ring.

### CONTROLLING THE FLUID

If a fluid pressure tank is used, the amount of fluid can be controlled by regulating the pressure on the tank. The amount of fluid can also be controlled by means of the fluid control screw (21). Turning this screw to the right, or clockwise, reduces the amount of fluid; to the left, or counter-clockwise, increases the amount of fluid.

### FAULTY SPRAY

A faulty spray is caused by improper cleaning or dried material around the fluid nozzle tip or in the air nozzle. Soak these parts in a solvent that will soften the dried material and remove with a brush or cloth.

<b>⚠ CAUTION</b>
Never use metal instruments to clean the air or fluid nozzles. These parts are carefully machined and any damage to them will cause a faulty spray.

If either the air nozzle or fluid nozzle is damaged, the part must be replaced before a perfect spray can be obtained.

### TO REPLACE FLUID PACKING

Remove the fluid control screw (21), spring (23) and fluid needle (3). Then remove the fluid packing nut (25) and take out the old packing with a small stiff wire. Replace with new packing (8). Oil lightly and reassemble in reverse order. Do not over tighten fluid packing nut. Doing so can prevent needle movement.

### CORRECTING AIR LEAK THROUGH GUN OR AROUND AIR VALVE STEM ASSEMBLY

Air leaking through the gun is caused by the air valve stem assembly (20) not seating properly. Air leaking around the air valve stem assembly (20) may be caused by worn packing (8) or damaged air valve stem assembly (20). Remove air connection (24), spring (15), air valve stem assembly (20), valve nut (14) and packing (8). Thoroughly clean parts, put one drop of oil on packing (8) and reassemble in reverse order.

### CLEANING THE GUN WHEN USED WITH PRESSURE TANK

Shut off the air supply to the pressure tank and release the pressure in the tank. Hold a piece of cloth over the gun nozzle and pull the trigger, the air will back up through the fluid nozzle and force the fluid out of the hose and into the tank. Remove paint from tank, clean tank and put enough compatible solvent into the tank to clean the hose and gun thoroughly. Spray this through the gun triggering the gun intermittently until it is clean, then blow out the fluid hose to dry it and remove all traces of materials by attaching it to the air line.

### CLEANING THE GUN WHEN USED WITH A CUP

A compatible solvent should be siphoned through gun by inserting tube from siphon cup in an open container of solvent. Trigger gun intermittently to thoroughly flush passageways and internal parts.

<b>⚠ WARNING</b>
<b>REGARDING AIR PRESSURE SAFETY</b>
Shut off air pressure before connecting or disconnecting air hose or removing any components from the gun. Servicing the gun while pressurized could result in damage to components or bodily injury.

## Binks MODEL 115 SPRAY GUN

TYPE OF FLUID TO BE SPRAYED	FLUID x AIR NOZZLES	TYPE	CFM @30 PSI	CFM @50 PSI	CFM @70 PSI	PATTERN AT 8"	NEEDLE	FLUID NOZZLE ORIFICE
<b>VERY THIN</b>								
14-16 SECS—NO.2 ZAHN	77SS X 77P	PE	4.2	6.8	9.3	9"	77SS	.052
WASH PRIMERS, DYES,	78SS X 78S	SE	4.2	6.9		8"	78SS	.070
CLEANING FLUIDS, STAINS,	78SS X 78SD	SE	2.8	4.0		7"	78SS	.070
WATER INKS	77SS X 3/4	SE	2.9	4.6		8"	77SS	.052
<b>THIN</b>								
16-20 SECS—NO. 2 ZAHN	77SS X 77P	PE	4.2	6.8	9.3	9"	77SS	.052
SEALERS, PRIMERS,	78SS X 78P	PE	4.8	7.0	9.4	10"	78SS	.070
LACQUERS	78SS X 78S	SE	4.2	6.9		8"	78SS	.070
	78SS X 78SD	SE	2.8	4.0		7"	78SS	.070
<b>MEDIUM</b>								
19-30 SECS—NO.2 ZAHN	77SS X 77P	PE	4.2	6.8	9.3	9"	77SS	.052
LACQUERS, PRIMERS,	78SS X 78P	PE	4.8	7.0	9.4	10"	78SS	.070
VARNISHES, SYN. ENAMELS,	78SS X 78S	SE	4.2	6.8		8"	78SS	.070
WALL PAINTS, HOUSE PAINTS								

PE—Pressure Feed—External Mix  
SE—Siphon Feed—External Mix

Replaces  
Part Sheet  
77-2282R-4

Part  
Sheet  
77-2282R-5

In this part sheet, the words **WARNING**, **CAUTION** and **NOTE** are used to emphasize important safety information as follows:

**⚠ WARNING**  
 Hazards or unsafe practices which could result in severe personal injury, death or substantial property damage.

**⚠ CAUTION**  
 Hazards or unsafe practices which could result in minor personal injury, product or property damage.

**NOTE**  
 Important installation, operation or maintenance information.

**⚠ WARNING**

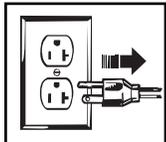
Read the following warnings before using this equipment.



**READ THE MANUAL**  
 Before operating finishing equipment, read and understand all safety, operation and maintenance information provided in the operation manual.



**WEAR SAFETY GLASSES**  
 Failure to wear safety glasses with side shields could result in serious eye injury or blindness.



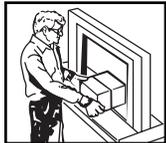
**DE-ENERGIZE, DISCONNECT AND LOCK OUT ALL POWER SOURCES DURING MAINTENANCE**  
 Failure to De-energize, disconnect and lock out all power supplies before performing equipment maintenance could cause serious injury or death.



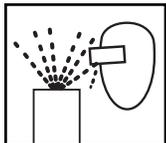
**OPERATOR TRAINING**  
 All personnel must be trained before operating finishing equipment.



**EQUIPMENT MISUSE HAZARD**  
 Equipment misuse can cause the equipment to rupture, malfunction, or start unexpectedly and result in serious injury.



**KEEP EQUIPMENT GUARDS IN PLACE**  
 Do not operate the equipment if the safety devices have been removed.



**PROJECTILE HAZARD**  
 You may be injured by venting liquids or gases that are released under pressure, or flying debris.



**PINCH POINT HAZARD**  
 Moving parts can crush and cut. Pinch points are basically any areas where there are moving parts.



**AUTOMATIC EQUIPMENT**  
 Automatic equipment may start suddenly without warning.



**INSPECT THE EQUIPMENT DAILY**  
 Inspect the equipment for worn or broken parts on a daily basis. Do not operate the equipment if you are uncertain about its condition.



**NEVER MODIFY THE EQUIPMENT**  
 Do not modify the equipment unless the manufacturer provides written approval.



**KNOW WHERE AND HOW TO SHUT OFF THE EQUIPMENT IN CASE OF AN EMERGENCY**



**PRESSURE RELIEF PROCEDURE**  
 Always follow the pressure relief procedure in the equipment instruction manual.



**NOISE HAZARD**  
 You may be injured by loud noise. Hearing protection may be required when using this equipment.



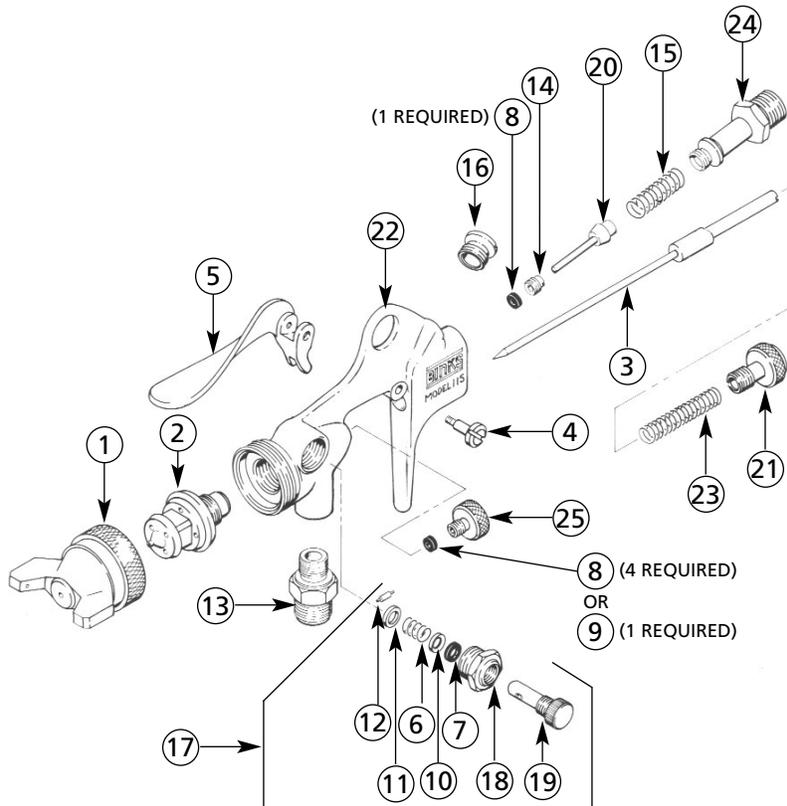
**STATIC CHARGE**  
 Fluid may develop a static charge that must be dissipated through proper grounding of the equipment, objects to be sprayed and all other electrically conductive objects in the dispensing area. Improper grounding or sparks can cause a hazardous condition and result in fire, explosion or electric shock and other serious injury.



**FIRE AND EXPLOSION HAZARD**  
 Never use 1,1,1-trichloroethane, methylene chloride, other halogenated hydrocarbon solvents or fluids containing such solvents in equipment with aluminum wetted parts. Such use could result in a serious chemical reaction, with the possibility of explosion. Consult your fluid suppliers to ensure that the fluids being used are compatible with aluminum parts.

**FOR FURTHER SAFETY INFORMATION REGARDING BINKS AND DEVILBISS EQUIPMENT, SEE THE GENERAL EQUIPMENT SAFETY BOOKLET (77-5300).**

## Binks MODEL 115 SPRAY GUN



Binks Manufacturing Company, 1985. All Rights Reserved

### PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION	QTY.	ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	*	AIR NOZZLE .....	1	15	55-826•	SPRING .....	1
2	*	FLUID NOZZLE .....	1	16	55-827	AIR VALVE CAP .....	1
3	*	FLUID NEEDLE .....	1	17	55-828	SIDE PORT CONTROL ASS'Y .....	1
4	55-422	SCREW, Trigger .....	1	18	—	SIDE PORT CONTROL BODY .....	1
5	55-434	TRIGGER ASSEMBLY .....	1	19	—	VALVE STEM .....	1
6	55-539•	SPRING .....	1	20	55-874•	AIR VALVE STEM ASSEMBLY .....	1
7	55-541•	LEATHER PACKING .....	1	21	55-875	FLUID CONTROL SCREW .....	1
8	55-548•	PACKING, Standard, Leather .....	5	22	—	BODY .....	1
9	55-560	PACKING, Optional, Teflon.....	1	23	55-881	SPRING .....	1
10	55-634	PACKING RING.....	1	24	55-885	AIR CONNECTION .....	1
11	—	SPRING RING .....	1	25	55-898	FLUID PACKING NUT .....	1
12	—	PIN .....	1	26	54-3871	GUNNERS MATE (NOT SHOWN).....	1
13	57-126	AIR CONNECTION .....	1	27	54-4133	BRUSH (NOT SHOWN).....	1
14	55-825	VALVE NUT .....	1	28	82-221	BRUSH (NOT SHOWN).....	1

\* Be sure to specify number stamped on Air Nozzle and Fluid Nozzle, or see Nozzle Selection Chart on page 1.

Be sure to specify by number on Fluid Needle, and gun model when ordering.

• Also available in 6-222 Repair Kit. Please order separately.

---

## WARRANTY

This product is covered by Binks' 1 Year Limited Warranty.

---

**Binks Worldwide Sales and Service Listing: [www.binks.com](http://www.binks.com)**

---

### ITW Industrial Finishing

Binks has authorized distributors throughout the world. For technical assistance or the distributor nearest you, see listing below.

#### U.S./Canada Technical Service Office:

195 Internationale Blvd., Glendale Heights, IL 60139  
Toll-Free Telephone: 1-888-992-4657 (U.S.A. and Canada only)  
Toll-Free Fax: 1-888-246-5732

**77-2282R-5 Revisions:** (P1) Added warning; (P2) added warnings.



An Illinois Tool Works Company