

# BINKS MODEL 21, 21V, & 21M AUTOMATIC SPRAY GUN (6220-XXXX-X) (6235-XXXX-X) (6219-XXXX-X) BRASS BODY



The following instructions provide the necessary information for the proper operation and preventive maintenance of the Binks Model 21 Automatic Spray Gun. Please read and understand all information in this document in order to get the maximum performance from your new Model 21 spray gun.

The Model 21 Series of spray guns are heavy duty, pneumatically operated, automatic spray guns with forged brass bodies.

#### SPECIFICATIONS:

Maximum Fluid Pressure:	100 psi/6.9 bar
Maximum Air Pressure:	100 psi/6.9 bar
Gun Body:	Plated Brass
Fluid Path:	Brass/Electroless Nickle Plated
Fluid Inlet Size:	3/8" NPS(m) Thread
Air Inlet Size:	1/4" NPS(m) Thread
Gun Weight:	41 oz./1213 g
Mounting Hole:	1/2"
Mounting Bracket: (1/2" Bar)	54-380

All Model 21 spray guns feature nickel plated brass air caps and bodies that will withstand years of use under the toughest conditions. The Model 21V spray guns contain tungsten carbide fluid nozzles and needles for use with abrasive fluids. The Model 21M spray guns are internal mix spray guns used in line striping.

#### PROP 65 WARNING

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

# **IMPORTANT!** DO NOT DESTROY

It is the customer's responsibility to have all operators and service personnel read and understand this manual.

Contact your local Binks representative for additional copies of this manual.

#### **READ ALL INSTRUCTIONS BEFORE OPERATING THIS BINKS PRODUCT**

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

## A WARNING

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

# **A**CAUTION

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

NOTE Important installation, operation or maintenance information.

# 

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.



### INSPECT THE EQUIPMENT DAILY

NEVER MODIFY THE EOUIPMENT

Do not modify the equipment unless the

manufacturer provides written approval.

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



#### WEAR SAFETY GLASSES

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



#### DE-ENERGIZE, DEPRESSURIZE, 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.



warning.

AUTOMATIC EQUIPMENT Automatic equipment may start suddenly without



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.



CA PROP

HIGH PRESSURE CONSIDERATION

pressure before servicing. Spray from the spray gun, hose leaks, or ruptured components can inject fluid into your body and cause extremely serious injury.

High pressure can cause serious injury. Relieve all

#### 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.

#### **PROP 65 WARNING**

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.



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

#### **HOOK-UP**

- 1. Air pressure of 35-50 PSI minimum required for cylinder operation.
- 2. For rapid operation, the air line between three-way valve and the cylinder operating air connection should be as short as possible.
- 3. All air supplied to the gun should be dirt and moisturefree. A DeVilbiss centrifugal air filter mounted in the air supply line is recommended.
- 4. If the gun is to stand idle for any length of time, shut off. This will prevent small leaks throughout the system from turning on the gun.

#### FAN SPRAY ADJUSTMENTS

The fan spray is easily controlled by means of the side port control. Turning this control to the right, or clockwise, will give a round spray pattern. Turning it to the left, or counter-clockwise, will widen the spray into a fan shape of any desired width. Orientation of the fan spray either horizontally or vertically (or to any position in between) is obtained by loosening the retainer ring, rotating the air nozzle to the desired position, and then tightening the retainer ring.

#### FLUID FLOW ADJUSTMENTS

For best results, the fluid control screw (16) should be set at the open position and the flow of the fluid controlled by regulating the fluid pressure in the pressure tank. If the conditions under which the gun is being used require the fluid to be controlled at the gun, it may be accomplished by loosening locknut (17) and turning screw (16) to the right (clockwise) to decrease the flow of fluid or the left (counter-clockwise) to increase the flow of fluid.

#### LUBRICATION

The points that require lubrication on this gun are the plunger (7), the air valve packing (11), and the fluid packing (29). These parts should be kept soft and pliable at all times. SSL-10 gun lube is recommended for this.

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Never submerge the gun in solvent. Solvent will wash the oil off the lubricated parts and cause subsequent malfunctioning of the gun.

#### CLEANING

Shut off the air supply to the tank and release its pressure. Hold a piece of wadded cloth over the gun nozzle and turn on the air to the cylinder. The air will back up through the fluid nozzle and force fluid out of the hose and into the tank.

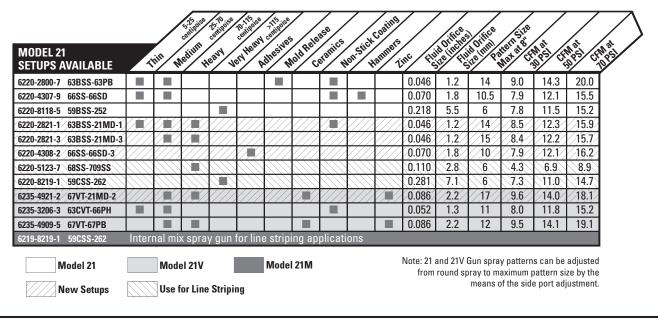
Replace the paint in the pressure tank with clean solvent and flush through the material hose and spray gun until clean. Blow air through the fluid hose to eliminate residual solvent. Always follow EPA and NFPA regulations when spraying or cleaning spray equipment.

#### FAULTY SPRAY

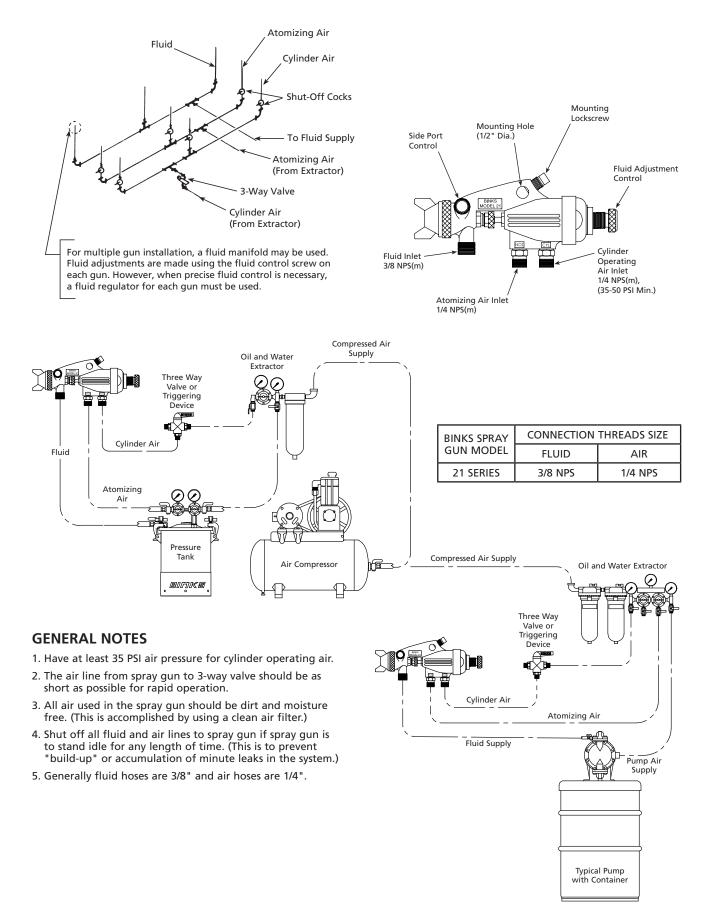
Faulty spray is caused by dry coating material residue around the fluid nozzle tip or inside the air nozzle. Soak these parts in a solvent that will soften the dried residue until it can be removed with a brush or a cloth.

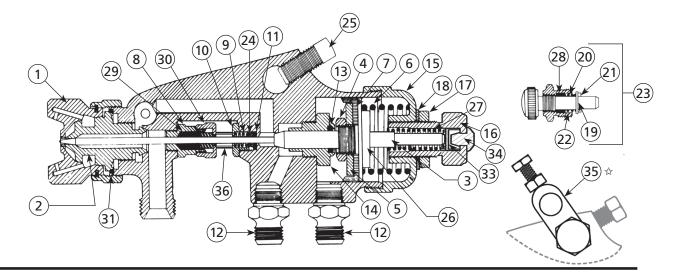
## A CAUTION

Never use metal probes to clean the air or fluid nozzles because scratches and burns on their precision machined surfaces can cause faulty spray. If either the air or fluid nozzle is damaged so as to give faulty spray, it must be replaced.



## **COMPLETE SPRAY GUN MODELS – ORDERING GUIDE**





# PARTS LIST

When ordering, please specify Part No.

ITEM NO.	PART NO.	DESCRIPTION	QTY.	ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	О	NOZZLE Air	1	21	54-331•	PIN Side Port Control	. 1
2	О	NOZZLE Fluid	1	22	54-332•	FOLLOWER Side Port Control	. 1
3		FLUID NEEDLE	1	23	54-333	SIDE PORT CONTROL Complete	. 1
4	54-232	LOCKNUT Plunger	1		▲ 54-334-5	FOLLOWER Packing(Kit of 5	
5	54-233	WASHER Plunger	1		* 54-446	(Single Piece	
6	54-236	SPRING Plunger	1	25	54-335	SCREW Set	
7	54-261•	PLUNGER Leather			▲ 54-337 * 54-444	VALVE Air	. 1
8	▲ 54-302 * 54-440	GLAND Packing	1	27	54-728-5	SPRING Needle Valve	. 1
9	54-304-5•	SPRING Packing Follower(Kit of 5	) 1	28	54-738-5•	PACKING Side Port Control	. 1
10	54-306	NUT Air Packing			▲ 2-28-5• * 54-1339	PACKING Needle Valve(Kit of 5 (Single Piece	-
11	54-307-5•	PACKING Air(Kit of 5	) 1		▲ 54-765	NUT Packing	,
12	54-308	CONNECTION Air	2		* 54-1353		
13	54-310-5•	PACKING Air Valve(Kit of 5	) 1	31	54-918-5•	GASKET Fluid Nozzle (Kit of 5)	. 1
14	54-312	GUIDE Air Valve	1	32	OMX-88	BRUSH Cleaning (Not Shown)	. 1
15	54-321	BONNET	1	33	54-6001	SPACER SPRING	. 1
16	• 54-6003	SCREW Fluid Control	1	34	54-5522	VALVE UMBRELLA	. 1
17	54-323	LOCKNUT FLUID CONTROL	1	35	☆ 54-6004	(OPTIONAL) MOUNTING	
18	54-324	WASHER Fluid Control Locknut	1			BRACKET ASSEMBLY	. 1
19	54-329•	WASHER Side Port Control	1	36	54-4270	NEEDLE COVER	. 1
20	54-330•	SPRING Side Port Control	1				

 ${\rm O}$  When ordering, please specify number stamped on nozzle.

■ When ordering, please specify gun model and number stamped on needle.

Parts also available in Repair Kit 6-191.

Gun wrench, 5-476 is recommended for removing fluid nozzle. Please order separately.

• Includes Item 34.

- ▲ 21 spray gun only.
- \* 21V spray gun only.
- ☆ Allows for easy gun change while maintaining gun alignment.

AIR CAP MARKING	ORDER PART NUMBER
200	46-2200
252	46-2252
262	46-2262
21MD-1	46-21MD-1
21MD-2	46-21MD-2
21MD-3	46-21MD-3
63PB	46-6002

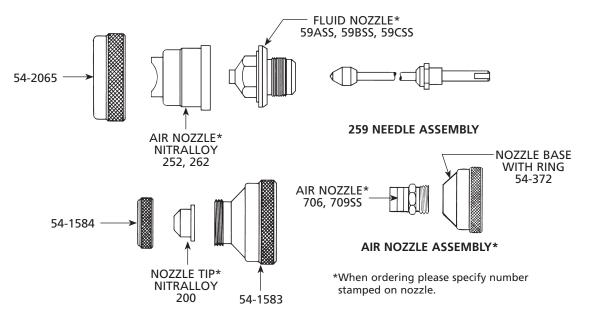
AIR CAP MARKING	ORDER PART NUMBER
66PH	46-6016
66SD	46-6020
66SD-3	46-6092
66SK	46-6082
67PB	46-6026
68PB	46-6032
70955	46-2020

## AIR CAP ORDERING GUIDE

## FLUID NOZZLE AND NEEDLE ORDERING GUIDE

FLUID NOZZLE MARKING	ORDER PART NUMBER	NEEDLE MARKING	ORDER NEEDLE NUMBER	ORIFICE SIZE INCHES (MM)	MATERIAL
59ASS	45-5911	259	47-25900	.171 (4.3)	Stainless Steel
59BSS	45-5912	259	47-25900	.218 (5.5)	Stainless Steel
59CSS	45-5913	259	47-25900	.281 (7.7)	Stainless Steel
63BSS	45-6321	263A	47-26310	.046 (1.2)	Stainless Steel
66SS	45-6601	265	47-26500	.070 (1.8)	Stainless Steel
68SS	45-6801	268	47-26800	.110 (2.8)	Stainless Steel
63CVT	45-6332	263CVT	47-26332	.052 (1.3)	Tungsten Carbide
67VT	45-6702	267VT	47-26702	.086 (2.2)	Tungsten Carbide
68VT	45-6802	268VT	47-26802	.110 (2.8)	Tungsten Carbide

### INTERNAL MIX HEAVY MATERIAL NOZZLES (OPTIONAL)



## MODEL 21 NOZZLE AND NEEDLE SELECTION CHARTS

TYPE OF FLUID TO BE SPRAYED	FLUID X AIR NOZZLES	FLUID NEEDLE	GUN PART NUMBER	CFM @ 30 PSI	CFM @ 50 PSI	CFM @ 70 PSI	MAX PATTERN @ 8"
	63BSS X 63PB	263A	6220-2800-7	9.0	14.3	20.0	14
THIN, 5-25 CENTIPOISE	66SS X 66SD	265	6220-4307-9	7.9	12.1	15.5	10.5
wash primers, dyes, stains, solvents,	63BSS X 21MD-1	263A	6220-2821-1	8.5	12.2	15.9	14
water, inks, sealers, laquers, lubricants,	63CVT X 66PH	263CVT	6235-3206-3	8.0	11.8	15.2	11
zinc chromates, acrylics	66SS X 66SK	265	*	11.0	15.2	19.5	13
	63BSS X 200	263A	*	3.1	5.2	6.4	12
	63BSS X 63PB	263A	6220-2800-7	9.0	14.3	20.0	14
	66SS X 66SD	265	6220-4307-9	7.9	12.1	15.5	10.5
MEDIUM, 25-70 CENTIPOISE	63BSS X 21MD-1	263A	6220-2821-1	8.5	12.3	15.9	14
synthetic enamels, varnishes, shellacs,	63BSS X 21MD-3	263A	6220-2821-3	8.4	12.2	15.7	15
fillers, primers, epoxies, urethanes,	67VT X 21MD-2	267VT	6235-4921-2	9.6	14.0	18.1	17
lubricants, wax emulsions, enamels	63CVT X 66PH	263CVT	6235-3206-3	8.0	11.8	15.2	11
	67VT X 67PB	267VT	6235-4909-5	9.5	14.1	19.1	12
	66SS X 66SK	265	*	11.0	15.2	19.5	13
	63BSS X 21MD-1	263A	6220-2821-1	8.5	12.3	15.9	14
	63BSS X 21MD-3	263A	6220-2821-3	8.4	12.2	15.7	15
	68SS X 709SS	268	6220-5123-7	4.3	6.9	8.9	6
HEAVY, 70-115 CENTIPOISE	67VT X 21MD-2	267VT	6235-4921-2	9.6	14.0	18.1	17
	67VT X 67PB	267VT	6235-4909-5	9.5	14.1	19.1	12
	68SS X 68PB	268	*	9.5	14.1	19.1	12
	59BSS X 252	259	6220-8118-5	7.8	11.5	15.2	6
VERY HEAVY, >115 CENTIPOISE	59CSS X 262	259	6220-8219-1	7.3	11.0	14.7	6
texture coating, road marking paint	68SS X 68PB	268	*	9.5	14.1	19.1	12
ADHESIVES	66SS X 66SD-3	265	6220-4308-2	7.9	12.1	16.2	10
waterbase vinyl glues, solvent base, neoprenes, contact cement	63BSS X 66SD-3	263	*	7.9	12.1	16.2	4
MOLD RELEASE	63BSS X 63PB	263A	6220-2800-7	9.0	14.3	20.0	14
CERAMICS	67VT x 21MD-2	267VT	6235-4921-2	9.6	14.0	18.1	17
similar abrasive materials, glazes,	67VT X 67PB	267VT	6235-4909-5	9.5	14.1	19.1	12
engobes, porcelain enamel	68VT X 68PB	268VT	*	9.5	14.1	19.1	12
CONCRETE CURING COMPOUNDS	66SS X 200	265	*	3.1	5.2	6.4	15
MULTICOLOR PAINTS	66SS X 200	265	*	3.1	5.2	6.4	15
	63BSS X63PB	263A	6220-2800-7	9.0	14.3	20.0	14
	66SS X 66SD	265	6220-4307-9	7.9	12.1	15.5	10.5
NON-STICK COATINGS	63BSS X 21MD-1	263A	6220-2821-1	8.5	12.3	15.9	14
	63CVT X 66PH	263CVT	6235-3206-3	8.0	11.8	15.2	11
	66SS X 66SD	265	6220-4307-9	7.9	12.1	15.5	10.5
HAMMERS	66SS X 63PB	265	*	9.0	14.3	_	9.0
WRINKLE ENAMELS	66SS X 63PB	265	*	9.0	14.3	20.0	10.0
	67VT x 21MD-2	267VT	6235-4921-2	9.6	14.0	18.1	17
ZINC RICH COATINGS	67VT X 67PB	267VT	6235-4909-5	9.5	14.1	19.1	12

Set ups for vitreous/abrasive materials (Tungsten Carbide needles and fluid nozzles.)

\*Set ups available as spares only.

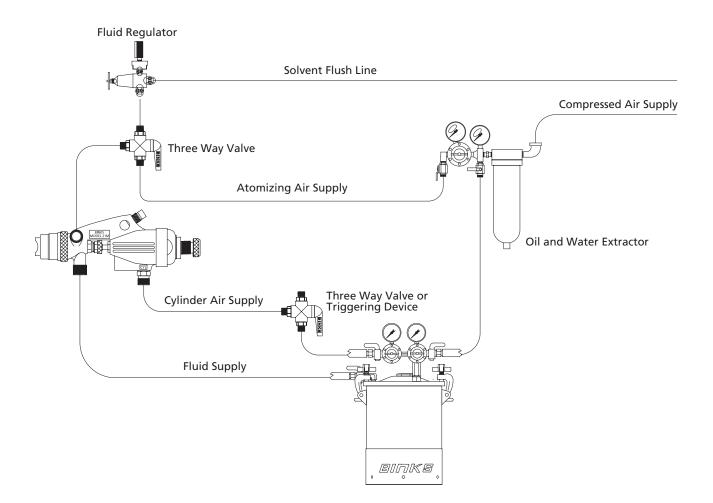
200, 709SS, 252, & 262 are internal mix air caps.

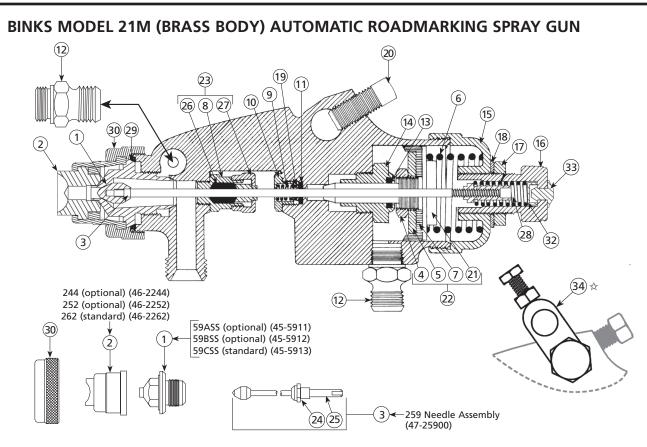
# BINKS MODEL 21M AUTOMATIC SPRAY GUN (6219-8219-1)



The Binks Model 21M is designed to deal with rough environments both inside and outside the spray gun. The Binks 21M spray gun will stand up to any line striping process. The internal mix air cap keeps the spray pattern precise while the quick actuating air valve ensures material is only sprayed where and when you want it. The standard model includes a 0.281" orifice for heavy viscosity materials and an air cap that sprays up to a 7" pattern.

The Model 21M has the capability to quick flush the air and fluid nozzles, making it perfect for line striping trucks. The diagram below shows the setup required for a quick flush.





## PARTS LIST

When ordering, please specify Part No.

NO.   NO.   DESCRIPTION   QTY.   NO.   NO.   DESCRIPTION   QTY.     1   45-5913   FLUID NOZZLE 59CSS (standard)   1   19   54-334-5   PACKING FOLLOWER(Kit of 5)   1     2   46-2262   AIR NOZZLE 262 (standard)   1   20   54-335   SET SCREW   1     3   47-25900   NEEDLE VALVE ASSEMBLY 259   1   21   54-337▲   VALVE   1     4   54-232▲   NUT   1   22   54-495   PLUNGER ASSEMBLY   1     5   54-233▲   WASHER   1   23   54-496   PACKING BOX ASSEMBLY   1     6   54-236   PISTON SPRING   1   24   54-542   LOCKNUT (Part of Item No. 3)   1     7   54-236   PISTON SPRING   1   25   54-763   LOCKNUT (Part of Item No. 3)   1     8   54-304-5   SPRING   1   26   2-28-5   PACKING   1   1     9   54-304-5   SPRING   1   27   54-763   LOCKNUT (Part of Item No. 3)   1 <tr< th=""><th>ITEM</th><th>PART</th><th></th><th></th><th>ITEM</th><th>PART</th><th></th><th></th></tr<>	ITEM	PART			ITEM	PART		
246-2262AIR NOZZLE 262 (standard)12054-335SET SCREW1347-25900NEEDLE VALVE ASSEMBLY 25912154-337 ▲VALVE1454-232 ▲NUT12254-495PLUNGER ASSEMBLY1554-233 ▲WASHER12354-496PACKING BOX ASSEMBLY1654-236PISTON SPRING12454-542LOCKNUT (Part of Item No. 3)1754-261 ▲PLUNGER12554-763LOCKNUT (Part of Item No. 3)1854-302 ●GLAND1262-28-5 ●PACKING(Kit of 5)1954-304-5SPRING12854-839NEEDLE VALVE SPRING11054-306PACKING NUT12854-839NEEDLE VALVE SPRING11154-307-5PACKING23054-2065RETAINER RING11254-308AIR CONNECTION23054-2065RETAINER RING11354-310-5PACKING13254-6001SPACER SPRING11454-312GUIDE13254-6001SPACER SPRING11554-321BONNET13354-5522VALVE UMBRELLA11654-6003CONTROL SCREW13454-6004(OPTIONAL) MOUNTING11754-323CONTROL SCREW LOCKNUT13454-6004(OPTIONAL) MOUNTING <th>NO.</th> <th>NO.</th> <th>DESCRIPTION</th> <th>QTY.</th> <th>NO.</th> <th>NO.</th> <th>DESCRIPTION</th> <th>QTY.</th>	NO.	NO.	DESCRIPTION	QTY.	NO.	NO.	DESCRIPTION	QTY.
3   47-25900   NEEDLE VALVE ASSEMBLY 259   1   21   54-337▲   VALVE	1	45-5913	FLUID NOZZLE 59CSS (Standard)	1	19	54-334-5	PACKING FOLLOWER(Kit of 5	5) 1
4   54-232▲   NUT	2	46-2262	AIR NOZZLE 262 (Standard)	1	20	54-335	SET SCREW	. 1
5 $54-233 \blacktriangle$ WASHER123 $54-496$ PACKING BOX ASSEMBLY16 $54-236$ PISTON SPRING124 $54-542$ LOCKNUT (Part of Item No. 3)17 $54-261 \blacktriangle$ PLUNGER125 $54-763$ LOCKNUT (Part of Item No. 3)18 $54-302 \bullet$ GLAND126 $2-28-5 \bullet$ PACKING	3	47-25900	NEEDLE VALVE ASSEMBLY 259	1	21	54-337▲	VALVE	. 1
6   54-236   PISTON SPRING   1   24   54-542   LOCKNUT (Part of Item No. 3)   1     7   54-261▲   PLUNGER   1   25   54-763   LOCKNUT (Part of Item No. 3)   1     8   54-302●   GLAND   1   26   2-28-5●   PACKING   (Kit of 5)   1     9   54-304-5   SPRING   1   26   2-28-5●   PACKING   (Kit of 5)   1     10   54-306   PACKING NUT   1   28   54-839   NEEDLE VALVE SPRING   1     10   54-307-5   PACKING   1   29   54-918-5   AIR NOZZLE GASKET   1     11   54-308   AIR CONNECTION   2   30   54-2065   RETAINER RING   1     12   54-310-5   PACKING   1   32   54-6001   SPACER SPRING   1     13   54-312   GUIDE   1   32   54-6001   SPACER SPRING   1     14   54-321   BONNET   1   33   54-5522   VALVE UMBRELLA   1     15   54-323   CONTROL SCREW LOCKNU	4	54-232 🔺	NUT	1	22	54-495	PLUNGER ASSEMBLY	. 1
7 $54-261 \blacktriangle$ PLUNGER125 $54-763$ LOCKNUT (Part of Item No. 3)18 $54-302 \bullet$ GLAND126 $2-28-5 \bullet$ PACKING(Kit of 5)19 $54-304-5$ SPRING(Kit of 5)127 $54-765 \bullet$ NUT110 $54-306$ PACKING NUT128 $54-839$ NEEDLE VALVE SPRING111 $54-307-5$ PACKING129 $54-918-5$ AIR NOZZLE GASKET(Kit of 5)112 $54-308$ AIR CONNECTION230 $54-2065$ RETAINER RING113 $54-310-5$ PACKING131OMX-88BRUSH (NOT SHOWN)114 $54-312$ GUIDE132 $54-6001$ SPACER spRING115 $54-321$ BONNET133 $54-5522$ VALVE UMBRELLA116 $54-6003$ CONTROL SCREW1 $34 \Leftrightarrow 54-6004$ (OPTIONAL) MOUNTING117 $54-323$ CONTROL SCREW LOCKNUT134 $54-6004$ (DPTIONAL) MOUNTING	5	54-233 🛦	WASHER	1	23	54-496	PACKING BOX ASSEMBLY	. 1
8 $54-302 \bullet$ GLAND.126 $2-28-5 \bullet$ PACKING.(Kit of 5)19 $54-304-5$ SPRING.(Kit of 5)127 $54-765 \bullet$ NUT.110 $54-306$ PACKING NUT.128 $54-839$ NEEDLE VALVE SPRING.111 $54-307-5$ PACKING.129 $54-918-5$ AIR NOZZLE GASKET112 $54-308$ AIR CONNECTION230 $54-2065$ RETAINER RING113 $54-310-5$ PACKING.131OMX-88BRUSH (NOT SHOWN)114 $54-312$ GUIDE132 $54-6001$ SPACER spring115 $54-321$ BONNET133 $54-5522$ VALVE UMBRELLA.116 $54-6003$ CONTROL SCREW1 $34 \approx 54-6004$ (OPTIONAL) MOUNTINGBRACKET ASSEMBLY1	6	54-236	PISTON SPRING	1	24	54-542	LOCKNUT (Part of Item No. 3)	. 1
9   54-304-5   SPRING	7	54-261 🛦	PLUNGER	1	25	54-763	LOCKNUT (Part of Item No. 3)	. 1
10   54-306   PACKING NUT   1   28   54-839   NEEDLE VALVE SPRING   1     11   54-307-5   PACKING   (Kit of 5)   1   29   54-918-5   AIR NOZZLE GASKET   (Kit of 5)   1     12   54-308   AIR CONNECTION   2   30   54-2065   RETAINER RING   1     13   54-310-5   PACKING   1   31   OMX-88   BRUSH (NOT SHOWN)   1     14   54-312   GUIDE   1   32   54-6001   SPACER spring   1     15   54-321   BONNET   1   33   54-5522   VALVE UMBRELLA   1     16   54-6003   CONTROL SCREW   1   34   54-6004   (OPTIONAL) MOUNTING     17   54-323   CONTROL SCREW LOCKNUT   1   34   54-6004   1	8	54-302 •	GLAND	1	26	2-28-5 •	PACKING(Kit of 5	5) <b>1</b>
11   54-307-5   PACKING	9	54-304-5	SPRING(Kit of 5	) 1	27	54-765 •	NUT	. 1
12   54-308   AIR CONNECTION   2   30   54-2065   RETAINER RING   1     13   54-310-5   PACKING   (Kit of 5)   1   31   OMX-88   BRUSH (NOT SHOWN)   1     14   54-312   GUIDE   1   32   54-6001   SPACER spring   1     15   54-321   BONNET   1   33   54-5522   VALVE UMBRELLA   1     16   54-6003   CONTROL SCREW   1   34   \$54-6004   (OPTIONAL) MOUNTING     17   54-323   CONTROL SCREW LOCKNUT   1   1   34   \$54-6004   1	10	54-306	PACKING NUT	1	28	54-839	NEEDLE VALVE SPRING	. 1
13   54-310-5   PACKING	11	54-307-5	PACKING(Kit of 5	) 1	29	54-918-5	AIR NOZZLE GASKET(Kit of 5	5) <b>1</b>
14   54-312   GUIDE   1   32   54-6001   SPACER spring   1     15   54-321   BONNET   1   33   54-5522   VALVE UMBRELLA   1     16   54-6003   CONTROL SCREW   1   34 ☆   54-6004   (OPTIONAL) MOUNTING     17   54-323   CONTROL SCREW LOCKNUT   1   34   34   54-6004   1	12	54-308	AIR CONNECTION	2	30	54-2065	RETAINER RING	. 1
15   54-321   BONNET	13	54-310-5	PACKING(Kit of 5	) 1	31	OMX-88	BRUSH (NOT SHOWN)	. 1
16   54-6003 ■   CONTROL SCREW	14	54-312	GUIDE	1	32	54-6001	SPACER SPRING	. 1
17     54-323     CONTROL SCREW LOCKNUT     1     BRACKET ASSEMBLY	15	54-321	BONNET	1	33	54-5522	VALVE UMBRELLA	. 1
	16	54-6003 🔳	CONTROL SCREW	1	34 💈	54-6004	(OPTIONAL) MOUNTING	
18 54-324 WASHER 1 35 54-4270 (OPTIONAL) NEEDLE COVER 1	17	54-323	CONTROL SCREW LOCKNUT	1			BRACKET ASSEMBLY	. 1
	18	54-324	WASHER	1	35	54-4270	(OPTIONAL) NEEDLE COVER	. 1

A Part of 54-495 plunger assembly.

Part of 54-496 packing box assembly.

Includes Item 33.

 $\Rightarrow$  Allows for easy gun change while

maintaining gun alignment.

Gun Wrench 5-476 is recommended for removing fluid nozzle. Please order separately.

No repair kit available. Please order parts separately.

## NOTES

## WARRANTY POLICY

This product is covered by Carlisle Fluid Technologies' materials and workmanship limited warranty. The use of any parts or accessories, from a source other than Carlisle Fluid Technologies, will void all warranties. Failure to reasonably follow any maintenance guidance provided may invalidate any warranty.

For specific warranty information please contact Carlisle Fluid Technologies.

Carlisle Fluid Technologies is a global leader in innovative finishing technologies. Carlisle Fluid Technologies reserves the right to modify equipment specifications without prior notice.

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