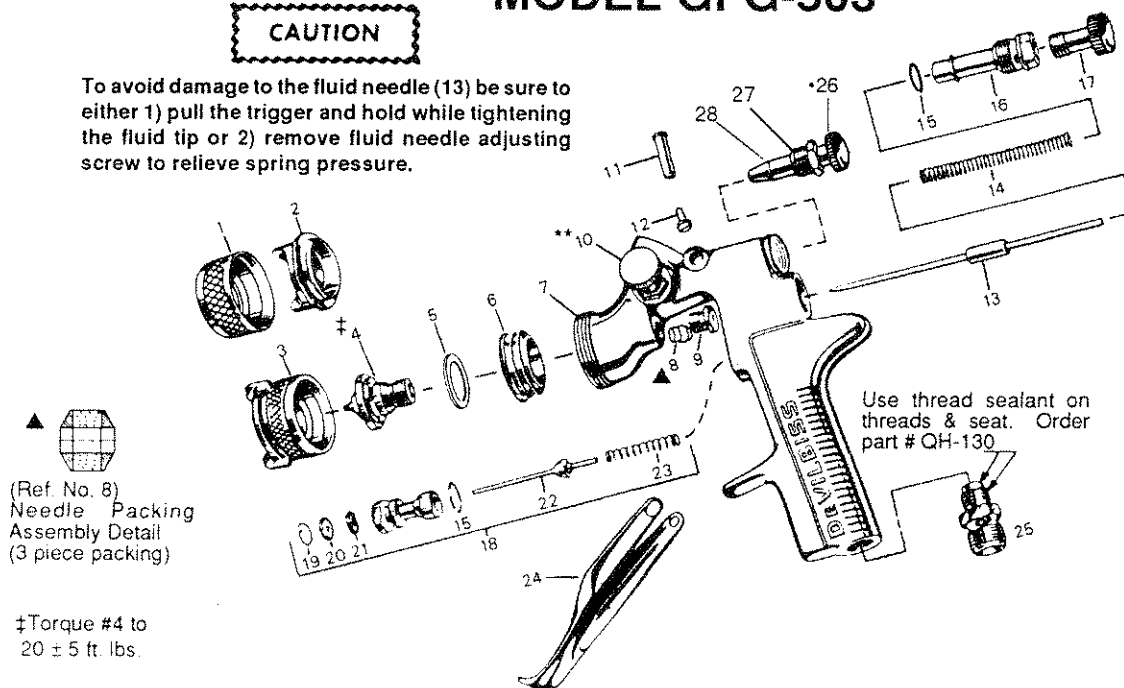


INDUSTRIAL COATING EQUIPMENT
**GFG™ GRAVITY PRO™
MODEL GFG-503**
CAUTION

To avoid damage to the fluid needle (13) be sure to either 1) pull the trigger and hold while tightening the fluid tip or 2) remove fluid needle adjusting screw to relieve spring pressure.



Ref. No.	Part No.	Description	Qty.
1	MBC-368	Retaining Ring	1
2	See Chart 1	Air Cap	1
3	See Chart 1	Air Cap & Retaining Ring	1
4	See Chart 2	Fluid Tip	1
▲5	AV-1-K5	Gasket Kit	1
6	MBC-1225	Baffle	1
7	—	Gun Body	1
▲8	JGA-4035-K3	Fluid Needle Packing Kit	1
▲9	34411-122-K3	Fluid Needle Packing Gland Kit	1
**10	GFG-413	Spreader Adjustment Valve	1
▲11	JGS-35-K5	Trigger Bearing Stud	1
▲12	A-42-K5	Screw Kit	1
13	See Chart 2	Fluid Needle	1
*14	MBD-19-K5	Fluid Needle Spring	1
▲15	JGS-72-K10	Gasket Kit	2
16	JGA-17	Gun Body Bushing	1
17	JGS-16	Fluid Needle Adjusting Screw	1
18	JGK-449	Air Valve Assembly	1
▲19	JGA-14-K5	Snap Ring Kit	1
▲20	JGA-15-K5	Washer Kit	1
▲21	JGS-26-K5	U Cup Kit	1
*22	JGS-431	Air Valve	1
▲23	MBD-12-K5	Spring Kit	1
24	JGS-108	Trigger	1
25	P-MB-51	Air Inlet Connector 1/4" NPS (M)	1
26	GFG-413	Air Restricting Valve	1
27	SSG-8069-K5	"O" Ring	1
28	SST-8434	Retaining Ring	1

- ▲ KK-4842 Rebuild Kit includes a quantity of necessary parts. These parts should be kept on hand for service. Suffixes - K5, K3, K-10 designated kits of multiple parts. (Example) AV-1-K5 is a kit of 5 gaskets.
- ... Adjusts fan air
- * Used as a cheater valve to adjust air pressure to cap.

RECOMMENDED SERVICE PARTS

Ref. No.	Part No.	Description	Qty.
5	AV-1-K5	Gasket Kit	1
8	JGA-4035-K3	Fluid Needle Packing Kit	1
9	34411-122-K3	Fluid Needle Packing Gland Kit	1
11	JGS-35-K5	Trigger Bearing Stud	1
12	A-42-K5	Screw Kit	1
14	MBD-19-K5	Fluid Needle Spring	1
15	JGS-72-K10	Gasket Kit	2
21	JGS-26-K5	U Cup Kit	1
22	JGS-431	Air Valve	1
23	MBD-12-K5	Spring Kit	1

DESCRIPTION

GFG-503 spray gun is fitted with a stainless steel fluid tip and fluid needle for use with most common coating materials. (1/4" NPS (M) air inlet).

Note

The KGP gravity feed cups are only included with the gun as part of the refinishers kit and must be ordered separately. See Accessories on Page 2 for more information.

WARNING

Halogenated hydrocarbon solvents— for example: 1,1,1-trichloroethane and methylene chloride— can chemically react with the aluminum in this gun and cause an explosion hazard. Read the label or data sheet for the material you intend to spray. Do not use spray materials containing these solvents with this spray gun.

INSTALLATION

1. Attach the air supply line to the air inlet (25). An air transformer installed as close as possible to the gun will provide filtered and regulated air.

Note

When larger diameter air hoses are used, it is advisable to use an 8' or 10' "whipend" or a smaller diameter hose at the gun for greater flexibility or movement.

2. Attach the gravity feed cup to the material inlet.

Note

Protective coating and rust inhibitors have been used to keep the gun in good condition before you get it. Before using the gun, flush it with solvents so that these materials will be removed from fluid passages.

Mix, prepare and strain the material to be sprayed according to the paint manufacturer's instructions.

Strain material through a 60 or 90 mesh screen.

1. Fill the gravity feed cup with the material. Do not overfill. Make sure that the cup lid vent hole is clear.
2. Adjust the atomization air pressure to 35 psi.
3. Open the spreader adjustment valve (10) by turning the valve stem counter-clockwise.
4. Close the fluid needle adjusting screw (17) by turning clockwise.
5. Turn on the air at the source of supply and spray a test area by turning the fluid needle adjusting screw (17) counter-clockwise until a full coat is obtained.

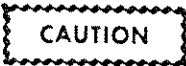
If the finish is too sandy and dry, the material flow may be too small for the atomization air pressure being used.

If the finish sags, there is too much material flowing for the atomization air pressure being used.

Both the above can be corrected by increasing or decreasing the atomization air pressure of the material flow. Pattern width can be altered by turning the spreader adjustment valve (10), either clockwise to decrease the width or counter-clockwise to increase the width.

PREVENTIVE MAINTENANCE

1. Empty material from gravity feed cup and replace with a suitable solvent.
2. Operate trigger until all material traces have disappeared and gun is thoroughly clean.
3. Wipe gun exterior with a solvent dampened cloth.

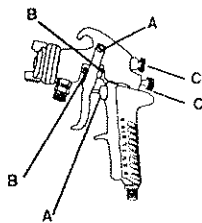


Do not completely immerse gun in solvents. Lubricants and packings will be damaged or destroyed and performance or life expectancy will be reduced.

Spray Gun Lubrication

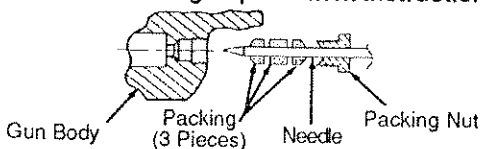
For best results, lubricate the points indicated, daily. Use SSL-10 Spray Gun Lube to lubricate.

- A. Trigger Points
- B. Packing
- C. Adjusting Valve



- Not for air tools or high RPM equipment.

JGA-4035-K3 Packing Replacement Instructions



1. Remove adjusting knob and needle spring from gun.
2. Partially withdraw needle from gun body.
3. Remove old packing.
4. Assemble packing nut to needle.
5. Assemble packing in order shown to needle.
6. Insert needle all the way into gun body seating in tip.
7. Install needle spring and adjusting knob.
8. Thread packing nut into gun body.
9. Tighten packing nut in equal increments — no more than 1/6 turn.
10. After each adjustment, pull needle open and observe needle closure.
11. If needle snaps shut, continue adjusting nut until there is evidence of needle bind or slow closing.
12. Back off packing nut 1/12 turn to the point where needle snaps shut. Packing nut must remain tight enough to prevent loosening by hand.
13. Pull needle several times to verify needle snaps shut, and check packing nut for looseness.

CHART 1

Air Caps		
If This No. on Cap, Order	Ref. No. 2 Air Cap less Retaining Ring	Ref. No. 3 Air Cap with Retaining Ring
No. 30 No. 43 No. 58 No. 80 No. 880	31767-043	MB-4039-30 AV-439-58 MB-4039-60 MB-4039-880

CHART 2

Fluid Tips and Needles					
GFG-503		REF. NO. 4		REF. NO. 13	
Tip Size	Fluid Tip Size I.D. Dimensions	If This No. On Tip, Order →	#Fluid Tip & Gasket	Fluid Needle	Lapped Tip & Needle
FW FF FX	.063" .055" .042"	1.6MM 1.5MM 1.0MM	AV-2115-FW AV-2115-FF AV-2115-FX	AV-601-FW AV-601-FF AV-601-FX	JGA-402-FW JGA-402-FF JGA-402-FX None JGA-440-FF JGA-440-FX

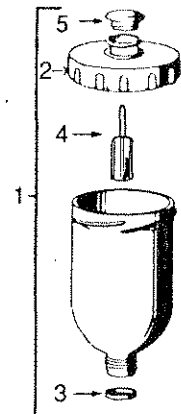
ACCESSORIES

Gravity Feed Cups

1/2 Pint Cup	1 Pint Cup
KGP-503 (Nylon)	KGP-504 (Nylon)

These gravity feed cups fit into the material inlet on the gun. Make sure that the gasket (4) is placed between the gun body and the cup. This gasket is taped to the inside of the cup lid for shipping.

Ref. No.	Part No.	Description
1	KGP-503 KGP-504	Cup Assembly 1/2 pint, nylon Cup Assembly 24 oz., nylon
2	KGP-401 KGP-402	Cup Lid for KGP-503 Cup Lid for KGP-504
3	1718-30	Gasket
4	KGP-5-K5	Filter Kit
5	KGP-2-K5	Drip Check Lid Kit



Refinisher Kits

The GFG-503 Spray gun is also sold in the following Refinisher Kits:

GFG-606-86FF	Metallic Pro
GFG-616-43FW	General Pro
GFG-626-80EX	Color Pro
GFG-636-880D	Primer Pro

The above Refinisher Kits include the following:

GFG-503	Spray Gun	1
KGP-504	1 Pint Cup	1
GFG-6	Gun Hook	2

Other Accessories

42884-214-K5 3/8"	Cleaning Brush
42884-215-K10 5/8"	Cleaning Brush
WR-103	Wrench
SSL-10	Spray Gun Lube (2oz. bottle)
HAV-500 OR*	Adjusting Valve
HAV-501	Air Adjusting Valve
HARG-510	Air Regulator

* HAV-500 does not have pressure gauge. Use to control air usage at gun.

SERVICE NOTES

This product is covered by DeVilbiss Ransburg Limited 1 Year Warranty. See SB-1-000 which is available upon request.

For complete guide on air spray equipment, order free Service Bulletin SB-2-001.

For a list of Authorized Warranty Service Centers, request latest Service Reference SR-1-20-1.

DeVilbiss Ransburg
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Toledo, Ohio 43602-0013