**TECHNICAL MANUAL**

# OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL INCLUDING REPAIR PARTS LIST

**FOR**
**SPRAY OUTFIT, PRESSURE TANK**
**MODEL 98-305**
**NATIONAL STOCK NO.**
**4940-00-650-7819**

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**HEADQUARTERS,DEPARTMENT OF THE ARMY**

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HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, *28 December 1979*

# OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL INCLUDING REPAIR PARTS LIST FOR SPRAY OUTFIT, PRESSURE TANK MODEL 98-305 NSN 4940-00-650-7819

**REPORTING OF ERRORS**

**You can help improve this manual. Mail your DA Form 2028 (Recommended Changes to Publications and Blank Forms I, or DA Form 2028-2 located in the back of this manual direct to: Commander, US Army Armament Materiel Readiness Command, ATTN: DRSAR-MAS, Rock Island. IL 61299. A reply will be furnished direct to you.**

**NOTE**

**This manual is published for the purpose of identifying an authorized commercial manual for the use of the personnel to whom the spray outfit is issued.**

Manufactured by: Binks Manufacturing Company
9201 West Belmont Avenue
Franklin Park, IL 60131

Procured under Contract No: DAAA09-76-M-6559

This technical manual is an authentication of the manufacturer's commercial literature and does not conform with the format and content specified in AR 310-3, Military Publications. This technical manual does, however, contain available information that is essential to the operation and maintenance of the equipment.

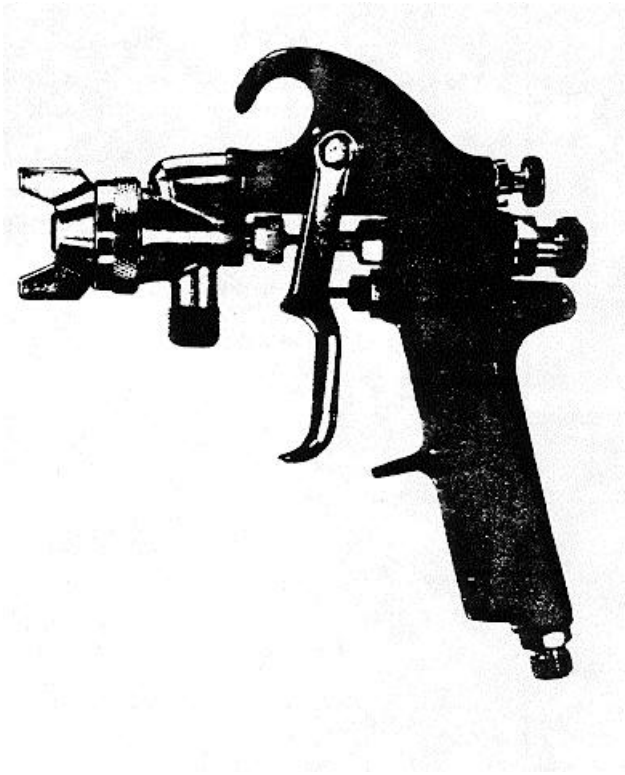
MODEL 98-305 SPRAY OUTFIT CONSISTS OF.

| | |
|---|---|
| 1-Model 18 | Spray Gun, 63B x 63PB nozzle set-up- |
| 1-83-5408 | Pressure Tank, with Air Motor Driven Agitator 5 Gal. Capacity |
| 1-83-1714 | Caster Base for Pressure Tank. |
| 1-71-1355 | 25 Ft. Length 3/8" Air Hose (Tank to gun) Red Color, consisting of 71-132 Hose with 72-1325 Connections, 1/4 NPS(f). |
| 1-71-3323 | 25 Ft. Length 1/2" Fluid Hose (Tank to gun) Black Color, consisting of 71-283 Hose with 72-1333 Connections, 3/8 NPS(f). |
| 1-71-1405 | 25 Ft. Length 1/2" Air Hose Ass'y. (Air supply to tank) Red Color, consisting of 71-133 Hose with 72-1333 Connections, 3/8 NPS(f). |
| * 1-83-574 | D.M. Nipple 3/8 NPS(m) x 3/8 NPT(m). |
| * 1-33-1403 | Quick Detachable Air Valve Stem, 3/8 NPT(f). |
| * 1-33-1401 | Quick Detachable Air Valve Body Ass'y, 3/8 NPT(f). |

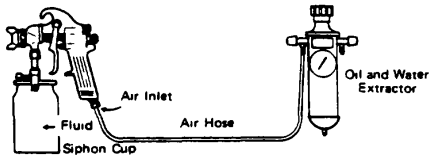
*These pt mounted on one end of 71-1405 Hose Ass'y to connect to air supply

AIR SUPPLY REQUIREMENTS:
Min- 20 SCFM Max: 160 P S.I.

The Spray Gun is exceptionally rugged in construction, and is built to stand up under hard, continuous use. However, like any other fine precision instrument, its most efficient operation depends on a knowledge of its construction, operation, and maintenance.

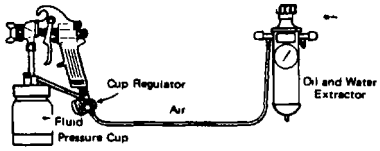


## TYPES OF INSTALLATION



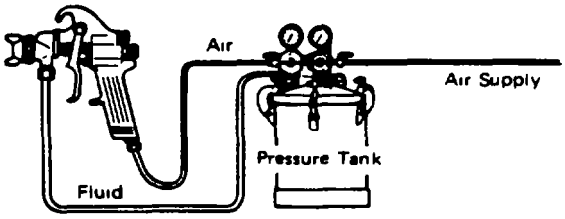

### SIPHON FEED CUP HOOKUP

Air pressure for atomization is regulated at extractor. Amount of, fluid is adjusted by fluid control screw on gun, viscosity of paint, and air pressure.



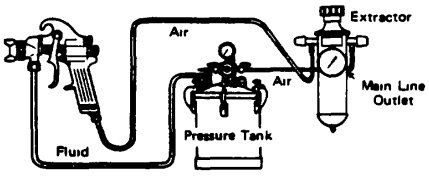

### PRESSURE FEED CUP HOOKUP

For fine finishing with limited spraying.
Air pressure for atomization is regulated at extractor, fluid pressure at cup regulator. For heavy fluids and internal mix nozzle spraying, fluid adjusted by control screw on gun.
Pressure cup also available less regulator



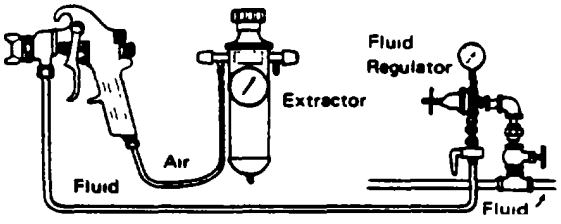

### PRESSURE FEED TANK HOOKUP

For portable painting operations.
(Double regulator)
Air pressure for atomization and fluid supply is regulated by two individual air regulators on tank.




### PRESSURE FEED TANK HOOKUP

For medium production spraying.
(Single regulator)
Air pressure for atomization is regulated at extractor, fluid pressure at tank regulator.




### PRESSURE FEED CIRCULATING HOOKUP

For heavy production spraying.
Air pressure atomization regulated at extractor. Fluid pressure regulated at fluid regulator.