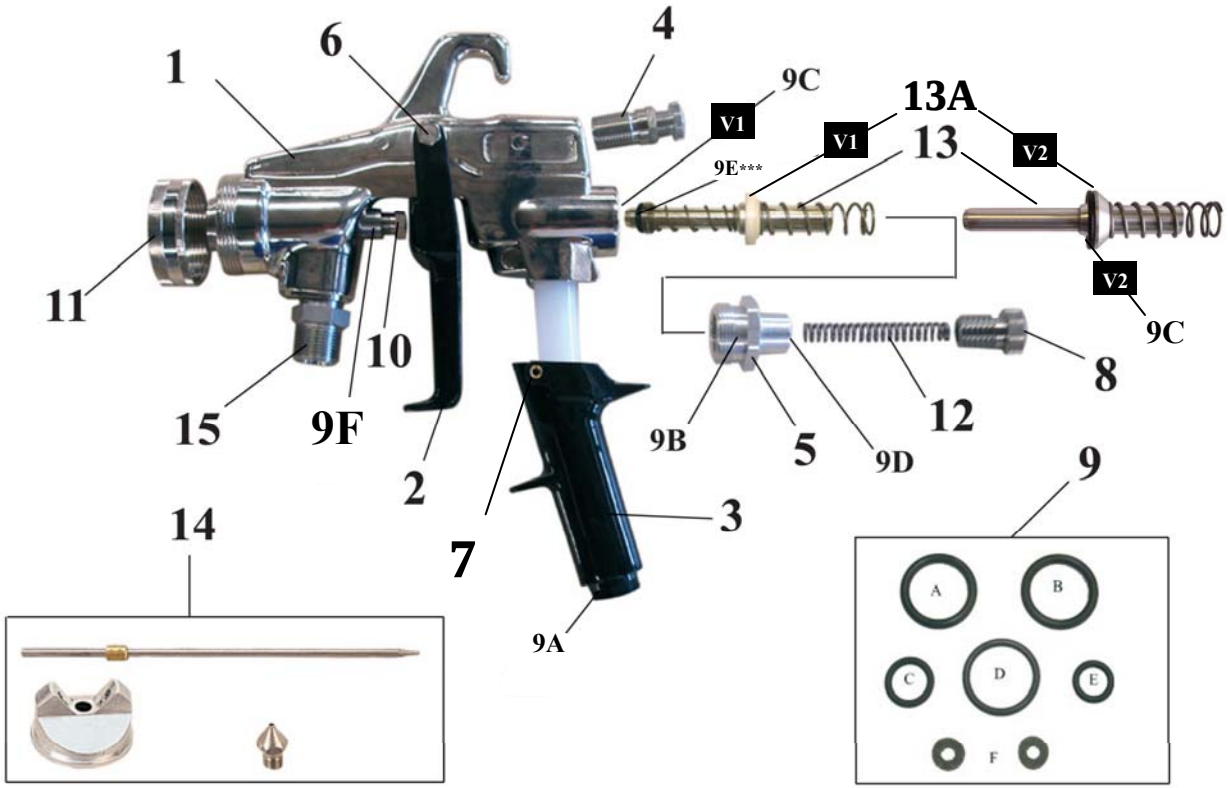
BNB Gun Parts Breakdown

TSG-98225 & TSG-98230



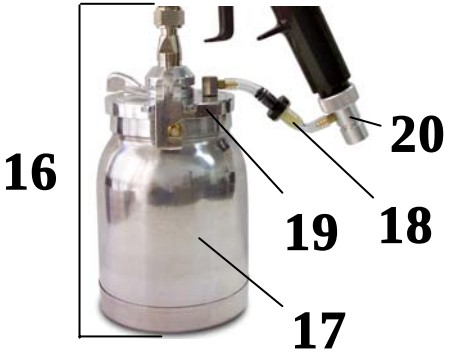
IMPORTANT: There are two versions of this gun—please identify which one you have to order the correct parts:

Version 1 (V1):

- Air distributor has several small holes around fluid tip
- Hexagon fluid inlet

Version 2 (V2):

- Air distributor has three slots around fluid tip
- Two milled flats on fluid inlet



No.	Part No.	Description
1	N/A	Gun Body (not sold separately)
2	TSG-98153	Trigger (black)
3	TSG-98146	BNB Handle (black)
4	TSG-98156	Fan Size Adjustment Screw
5	TSG-98157	Mat'l Adjustment Screw Housing
6	TSG-98154	Trigger Screw
7	TSG-98158	Handle Pin
8	TSG-98159	Material Flow Adjustment Screw
9	TSG-98099	O'ring & Seal Kit (incl. 9A to 9F)
9A	TSG-98165	Air Inlet O'ring (5/pkg)
9F	TSG-98043	Leather Gland Seals — 2/gun (10/pkg) *
10	TSG-98160	Gland Nut
11	TSG-98192	Sleeve Nut
12	TSG-98161	Needle Spring
13-V1	TSG-98168	Non-Bleeder Assembly V1
13-V2	TSG-98145	Non-Bleeder Assembly V2
13A	See item 13	BNB Disk **
14	TSG-98171	0.75mm SS Atomizing Kit
	TSG-98172	1.00mm SS Atomizing Kit
	TSG-98173	1.50mm SS Atomizing Kit
	TSG-98174	2.00mm SS Atomizing Kit
	TSG-98175	2.50mm SS Atomizing Kit
	TSG-98177	3.50mm SS Atomizing Kit
15-V1	TSG-98194	S.S. Fluid Connector (hex)
15-V2	TSG-98143	S.S. Fluid Connector (milled flats)
16	TSG-1608A	Alu Cup Ass'y w/Teflon Ctd Cup (incl #18)
17	TSG-1600	Aluminum Cup (1Qt)
	TSG-1602	Teflon Coated Cup (1Qt)
18	TSG-98198	Check-Valve Assembly (incl. Tube)
19	TSG-98045	Cup Top Gasket (5/pkg)
20	TSG-98167	Male Tail Piece (98225 volume fed gun)
	TSG-98197	Male Tail Piece Ass'y (98230 cup gun)

*** (2) per gun install with smooth sides face to face**

**** Remove to convert from Non-Bleeder to Bleeder**

***** O'ring 9E on V2 is installed in the gun casting directly behind the trigger**

9341 Cote de Liesse, Dorval, QC (Canada) H9P 2N9 ● T 514-828-5006 ● F 514-828-5007

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Atomizing Kit Selection Chart

Material	Viscosity	Atomizing Kit
Wood Stains, Dyes, Lacquers, Automotive Paints, Cellulose, Synthetics, Acrylic, Oil	0-20 sec	0.75 - 1.00mm
Polyurethane, Lacquers, Acrylics, Glitter Paints, Cellulose, Synthetics, Fluorescents, Wood Stains, Creosote, Wood Primer, Multi-Colour, Latex	20-30 sec	1.00 - 1.50mm
Oil Base, Latex, Hammers, Oxides, Primers, Marine Paint, Varnish, Enamels, Multi-Colour, Industrial Synthetics, Aluminum,	30-35 sec	1.50 - 2.00mm
Emulsions, Oxides, Gel Coat, Zinc Rich Primers, Polyurethanes, Adhesives, Latex	35-40 sec	2.00 - 2.50mm
Hammers, Latex, Oil Base Primers, Enamels, Marine, Masonry Paints, Texture Coatings, Heavy Primers, Soluble Adhesives, Gel Coat	40+ sec	2.50 - 3.50mm

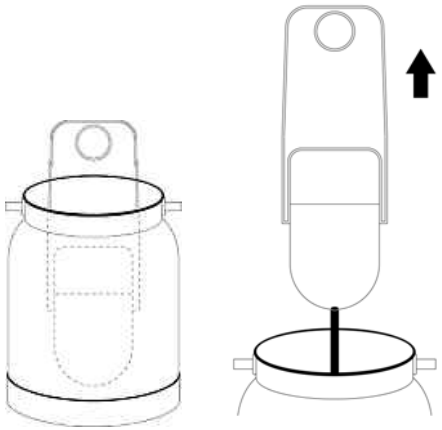
To Change Atomizing Kit:

1. **Remove items #8 and #12**
2. **Pull Trigger and remove Needle**
3. **Remove item #11 and Air Cap**
4. **Remove Fluid Tip using 1/2'' socket and ratchet**
5. **Reverse steps 1-4 to re-install**

Measuring Viscosity

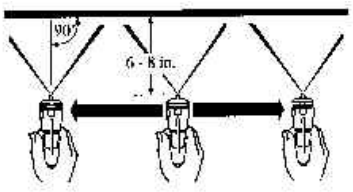
The thickness of a coating is defined by "viscosity in seconds". Knowing the viscosity is helpful in selecting the correct Atomizing Kit for the coating being sprayed

1. **Completely submerge the viscosity cup in the coating to be sprayed**
2. **Lift the viscosity cup out of the coating and begin timing**
3. **Measure the time in seconds until the first break in the stream of coating coming out of the bottom of the viscosity cup**
4. **Record the time lapsed as the viscosity of the coating, i.e.: 25 seconds**

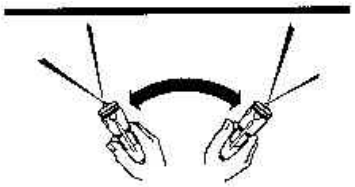


Spraying Tips

Spray at 6-8" from the surface, holding the gun perpendicular to the surface

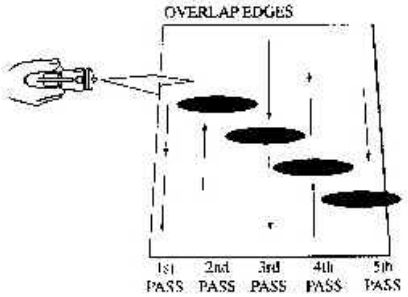


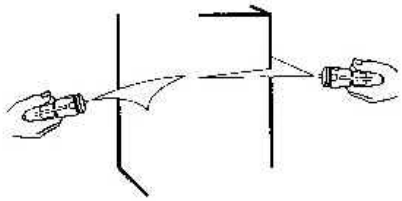
Correct application technique



Incorrect application technique

Overlap strokes by 50% to ensure proper coverage and avoid streaks





When spraying inside and/or outside corners, spray the center of the spray pattern on the corner so that material is applied to each of the adjacent surfaces

Always spray a horizontal test pattern before spraying:
spraying a horizontal pattern on a test piece, spray and hold until material builds-up and then release the trigger — this is the only time in finishing that you'll want to see a run or sag! Inspect the pattern. If the material is sagging evenly across the pattern, start spraying, otherwise consult the chart below...

Problem	Solution
Coating is running/dripping from center of pattern	**1. Enlarge fan size 2. Reduce Material Flow 3. Change Atomizing Kit**
Coating is running/dripping from extremities of pattern and/or pattern is in form of figure 8	**1. Reduce fan size 2. Increase Material Flow 3. Change Atomizing Kit**
Any one of above with remote pressure pot	**Check fluid pressure in pot for +/- 4" stream of material**