

**300-301 FLOW GUN 1/4 inch SEAT TUNGSTEN CARBIDE**

**IMPORTANT: READ THIS MANUAL CAREFULLY BEFORE INSTALLING, OPERATING, OR SERVICING THIS EQUIPMENT**

**WARNING:**

Always wear eye protection when operating this gun. Do not use damaged, frayed or deteriorated material hoses or fittings.

**SERVICE KITS**

Use only Johnstone replacement parts to insure compatibility and longest life.

- 300-301RK Repair Kit
- 300-919 Valve Rod Assembly

**WARNING:**

**DO NOT OPERATE FLOW GUN AT PRESSURES ABOVE RECOMMENDED MAXIMUM OF 4000PSI (272 BAR) MATERIAL AND 100PSI (6.8 BAR) AIR.**

**SPECIFICATIONS**

|                          |                |
|--------------------------|----------------|
| Material Inlet Port Size | 3/8" NPT       |
| Material Outlet          | 1/4" orifice   |
| Nozzle connection        | 400-667 Collar |

**MAINTENANCE SCHEDULE**

**DAILY:**

- Check for material leakage.
- Check for Frayed or damaged hoses.
- Depressurize when not in use.

**OPERATION**

Supply material to the flow gun. Adjust Material Pressure to flow gun until desired material flow is achieved. (Material Regulator) Adjust the trigger spring pressure until the Flow Gun closes while under pressure. Turn the Adjusting screw clockwise to increase pressure and counter-clockwise to decrease pressure.

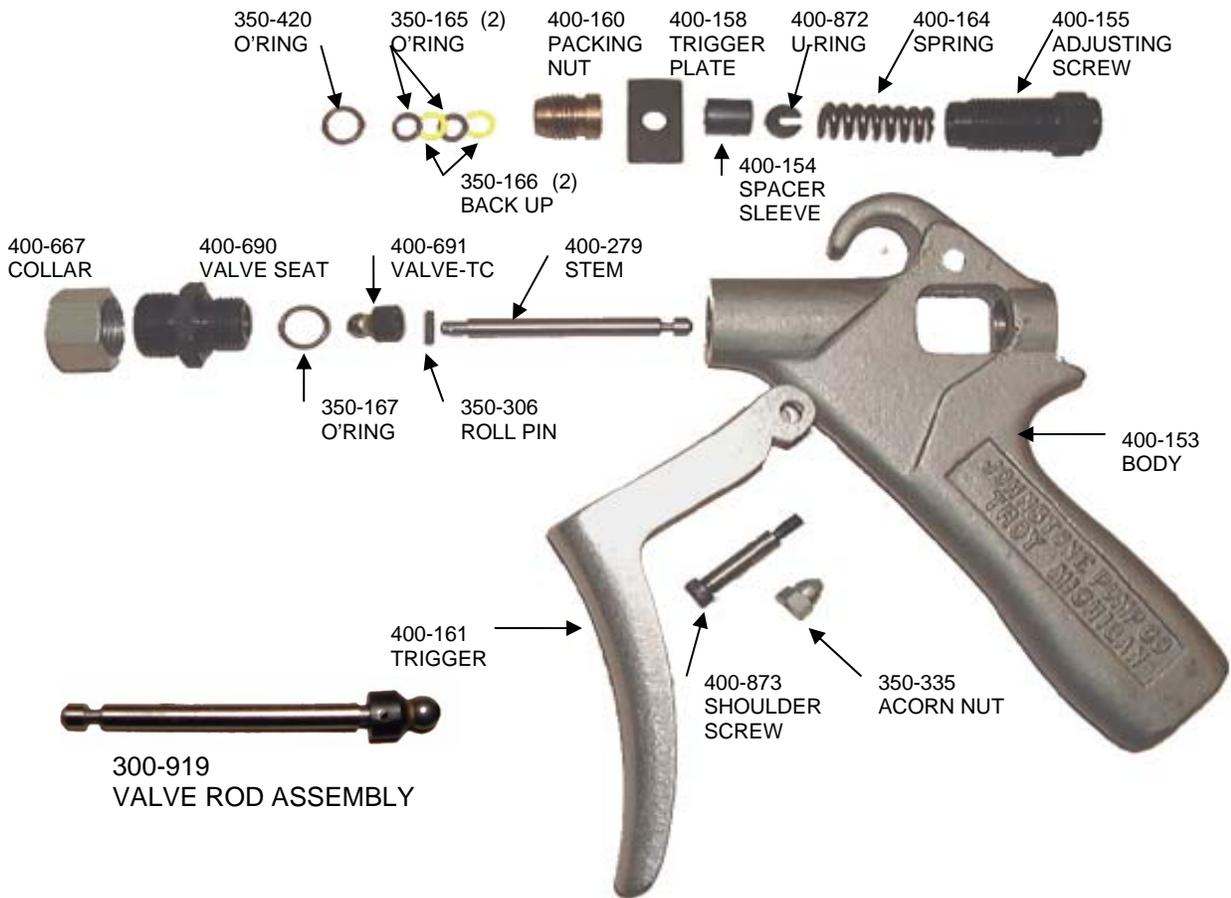


**REPLACEMENT PROCEDURE**

Depressurize the Flow Gun  
 Disconnect the 3/8" NPT fitting from the Gun inlet and remove the Nozzle.  
 Connect new Flow gun to the 3/8" NPT.  
 Install new nozzle.  
 To bleed air out of the Flow Gun- Operate the Flow Gun until the air stops coming out.



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## DISASSEMBLY INSTRUCTIONS

- 1) Unbolt the Acorn nut and Shoulder screw and remove the Trigger
- 2) Unscrew the adjustment screw and remove the Spring.
- 3) Remove the Collar and Nozzle.
- 4) Remove the Valve Seat.
- 5) The U-ring can be pushed out from the side of the body.
- 6) Push the Valve rod assembly out of the body.
- 7) Using a large flat screwdriver remove the Packing nut and O'ring.
- 8) Clean and inspect all parts.

## ASSEMBLY INSTRUCTIONS

- 1) Align the holes between the Valve and Stem and press the roll pin flush with the Valve.
- 2) Install a lubricated 350-420 O'ring into the Packing Nut bore.
- 3) Install the back-up-rings and O'ring into the Packing Nut and Lubricate.
- 4) Tighten the Packing Nut into the Body with a large flat screwdriver.
- 5) Push the Valve Rod assembly through the body. (see diagram above)
- 6) Slide the Trigger Plate and Spacer Sleeve over the Stem.
- 7) Install the U-bolt on the Stem.
- 8) Place the Spring in the Adjusting Screw and thread it into the Body.
- 9) Install the 350-167 O'ring on the Seat and lubricate.
- 10) Thread the Valve Seat into the body and tighten.
- 11) Install the Trigger and tighten the Acorn nut and Shoulder Screw.
- 12) Install Nozzle and Collar.