

JointMaster Pro 2

Pump and Applicator

MANUAL



Heater Bands as shown are optional
Color of pump may vary

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SAFETY

1. Become completely familiar with the pump before operation.
2. Read all safety recommendations on the Material Safety and Data Sheets of the material you will be pumping.
3. Keep hands and clothing free from all moving chains, gears and moving parts while operating the equipment.
4. Be sure to strap the pump securely and use the wheel brakes before transporting
5. It is highly recommended to always use the same tanks (A or B) for the same material, otherwise you run the risk of having material harden inside of the tank, pump, hoses, etc...

OPERATION

1. Fill tanks with separate materials for blending; always use the same tanks for the same material, (A side in A tank, B side in B tank). Do not allow material to run dry in either tank.
2. Check all connections for leaks and tightness, including the chain. To adjust the chain tightness, loosen the nut on the idler sprocket located directly above the main drive sprocket coming from the motor, and slide up or down so you have approximately 1/2" of play in the chain.
3. Have work site ready for application.
4. Connect pump to power supply and open relief valves on top of tank lids.
5. Turn the pump on, by switching on the power switch on the applicator with the speed control knob in the slow position (turn left). Run a small amount of material out to verify both materials are being pumped freely. Once verified, attach nozzle to manifold with retaining nut and begin dispensing. Adjust the speed control by turning the control knob on the applicator to your requirement while dispensing material.
6. When finished, turn off the pump, disconnect your power source and close relief valves on lids. **Important:** To avoid material from setting up in the manifold, remove nozzle and apply grease to the manifold by connecting a grease gun to the zerk fittings provided on the manifold. Fill with grease until it flows out from the manifold opening. The grease will displace polyurea material and prevent any hardening and subsequent obstruction.

CLEANING/MAINTENANCE

1. Material must not be left in the tanks over extended periods of time. If you leave material in the tanks, properly seal under the lid of the tanks with appropriate seal, such as a sheet of clear plastic to avoid hardening or crystallization of the material.
2. To remove material, drain material through drain cocks below tanks, clean/flush tanks initially with acetone to cut the majority of the material. **Do NOT leave acetone in the unit** as it will deteriorate seals and hoses. **Purge with with R70 Pump Flush.** Pump Flush may be kept in the hopper and hoses as a conditioning agent. Check and clean debris from strainers at base of tanks. Strainers are threaded clockwise onto an interior nipple.
3. Grease manifold and wheel bearings.
4. Clean spilled material residue from the pump.
5. Check seals under lids and replace as necessary.
6. Check all fittings for tightness and/or cracks.
7. Check hoses for leaks and replace as necessary.

SPECIFICATIONS

1. Weight: 165 lbs. dry
2. Height: 38-1/2", Width: 27", Length: 30"
3. Motor: 1/2HP DC Gear motor w/separate heat sink, RPM: 0 - 500, Volts: 90-130, Torque: 202 In. Lbs., Amps: 5.5
4. Pumps: Cast iron internal rotary gear pumps w/steel fitted rotor gear
5. Tanks: 5 gallon, 14 gauge 304 stainless steel (ss) tanks w/ss lids, w/custom welded ss mounting nipples for ss suction line strainers and pump mounts, attached to frame with ss worm gear clamps
6. Power: 110 volt
7. Hoses: 3/8" x 14.5' Nylon braided hoses coupled with a protective sleeve
8. Wheels: 6" non marring gray balloon cushion wheels for easy roll over of cords and debris, swivel wheels have brakes
9. Dispensing Unit: Extended lightweight handle with a dual port manifold, on/off switch and speed control knob
10. Viscosity: 50 – 1000 cps
11. Flow Rate: < 0.5 gallon per minute
12. Ratios: 1 – 1 ratio, can be geared to other ratios

PARTS LIST

1. Motor	BPU2-JMPRO 2100
2. Heat Sink	BPU2-JMPRO 2101
3. Pumps	BPU2-JMPRO 2102
4. Tanks	BPU2-JMPRO 2103
5. Lids	BPU2-JMPRO 2104
6. Speed Control	BPU2-JMPRO 2105
7. Chain	BPU2-JMPRO 2106
8. 10T Gear	BPU2-JMPRO 2107
9. 35T Drive	BPU2-JMPRO 2108
10. Strainers	BPU2-JMPRO 2109
11. Idler	BPU2-JMPRO 2110
12. Manifold	BPU2-JMPRO 2111
13. Night Cap	BPU2-JMPRO 2112
14. Wheels – Swivel	BPU2-JMPRO 2113
15. Wheels – Rigid	BPU2-JMPRO 2114
16. Worm Gear Clamps	BPU2-JMPRO 2115
17. Supply Lines	BPU2-JMPRO 2116
18. Line Cover	BPU2-JMPRO 2117
19. Fuseholder	BPU2-JMPRO 2118
20. Switch/Fuse	BPU2-JMPRO 2119
21. Control Cover	BPU2-JMPRO 2120
22. Elbow – Man	BPU2-JMPRO 2121
23. Elbow – Pump	BPU2-JMPRO 2121
24. 45 - Drain	BPU2-JMPRO 2122
25. Valve – Lid	BPU2-JMPRO 2123
26. Valve – Drain	BPU2-JMPRO 2124
27. Pipe Tee	BPU2-JMPRO 2125
28. Reducer/Tank-Tee	BPU2-JMPRO 2126
29. Nipple 1/2 - 3/8	BPU2-JMPRO 2127
30. Nipple 1/2 - 1/4	BPU2-JMPRO 2128
31. Toggle	BPU2-JMPRO 2129

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