

ATLAS RAM PUMP PARTS LIST

(all parts galvanized unless otherwise indicated)

#1 2" 'TEE" (2 required.)	#8 1" STREET ELL
#2 2" STREET ELL	#9 1" CLOSE NIPPLE
#3 2" CLOSE NIPPLE	#11 (2) 1" Brass CHECK VALVE
#22 2" CLOSE NIPPLE	#14 3/4" CLOSE NIPPLE
#4 4" X 10"+ PVC PIPE	#23 4" sl X 2" pt PVC BUSH
#5 4" PVC CAP (rounded)	#21 2" sl X 2" PT adapter
#6 2" X 1" BUSHING	#20 12" INNER TUBE
#7 2" X 3/4" BUSHING	#24 Coupling nut, faucet washer

GETTING THE FITTINGS READY

Galvanized plumbing fittings are coated with an oil at the factory—especially the threads. You will need to remove all this coating in order for the paints and other materials to properly bond to the fittings. Spray the fittings with spray oven cleaner, which turns the oil into a kind of soap. Use a stiff brush, and an old tooth brush to get the threads. This is caustic stuff ! Use with care ! Follow with hot water and detergent. Rinse the fittings and let dry thoroughly & store in a dry place until needed. They may get a fine layer of rust if left too long.



ADDITIONAL MATERIALS REQUIRED

- *Polyurethane resin. Found in auto body repair sections. Acetone for cleanup.
- *2 sq. ft. of plywood for the mold shown. You may use a shoe box or such for the base mold.
- *Appx. 5 lbs. Of 'Quickwall' or similar fiberglass reinforced concrete mix. Quickcrete may be used but some reinforcement is needed-wire cloth or the like.
- *Spray can of gloss black paint, preferably OSHA safe.
- *String level and teflon thread-seal tape or paste.

The 2 brass spring check valves need to be the kind secured by a nut. 1" valves are required. For the 2" pump, a 2" valve is needed for the clack valve (these cost about \$70.00).

www.antonline.com sells these valves online..

Please note: These check valves have an arrow stamped on the outside, showing the water flow direction. In this pump the check valve is installed with that arrow pointing UP, INTO the pressure tank. The pressure tank can be longer and the inner tube larger to get more air volume.